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# Hungarian National Seismological Bulletin

## 2024

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# Foreword

In 2024, the HUN-REN Institute of Earth Physics and Space Science Kövesligethy Radó Seismological Observatory continued to operate the 15 permanent and 32 temporary broadband stations installed in the previous years.

During the year, two of the temporary stations were moved to a nearby new location. One of the permanent stations closed and a new one started to operate in the Vértes hills.

During the year, 1611 local events have been detected by the Network in the area confined by the latitudes 45.5-49.0°N and longitudes 16.0-23.0°E and 7 earthquakes were felt by the public in Hungary.

Chapter 1 of this publication presents the Hungarian National Seismological Network and the data processing procedure performed in the Kövesligethy Radó Seismological Observatory. The focal parameters of the detected local events are listed in Chapter 2. In Chapter 3, the macroseismic data of the felt earthquakes are shown. Chapter 4 reports the phase readings of the local events in ISF2 format.



# 1. The Hungarian National Seismological Network

## Seismological stations and data collection

In 2024, the Kövesligethy Radó Seismological Observatory (KRSO), Institute of Earth Physics and Space Science (EPSS) used the data coming from the following seismological stations:

- the 15 permanent broadband seismological station of the Hungarian National Seismological Network (HNSN), one of them (CSKK - Csókakő) closed in December and a new one (CSBH) started to operate immediately in Csákberény;
- the 32 temporary stations installed in the previous years in the frame of AlpArray, PACASE (Pannonian-Carpathian-Alpine Seismic Experiment) and AdriaArray projects, two of them (A262A, HU23A) were moved to new location, hence they have new stations codes, A262B and HU23B;
- one seismological station at Badacsonytördemic, part of the Integrated Geodynamical Station.

Tables 1.1, 1.2 and 1.3 contain the parameters of the permanent and temporary HNSN stations, respectively. Their location is shown in Fig. 1.1.

The data coming from these stations have been collected, stored and processed in the Observatory using the SeisComP software package (<http://www.seiscomp.de>). Besides the HNSN stations, the Observatory collects and processes the data of several stations of the following seismological networks:

- Austrian Seismological Network (OE) – <http://www.zamg.ac.at>  
stations: ARSA, CONA, OBKA
- Croatian Seismological Network (CR) – <http://www.gfz.hr/eng/seizmologija/>  
stations: PTJ, ZAG
- Czech Seismological Network (CZ) – <https://www.ig.cas.cz/en/seismic-service>  
stations: CKRC, JAVC, KRUC, MORC, PRU, TREC, VRAC
- GEOFON (GE) – <http://geofon.gfz-potsdam.de>  
stations: STU, TIRR, VSU
- MEDNET (MN) – <http://mednet.rm.ingv.it>  
stations: AQU, BLY, DIVS, TIR, TRI, VTS
- Polish Seismological Network (PL) – <http://www.igf.edu.pl/plsn-en.php>  
stations: KWP, NIE, OJC
- Romanian Seismological Network (RO) – <http://www.infp.ro/>  
stations: ARCR, BANR, BISRR, BMR, BURAR, BZS, CJR, CRAR, DEV, DRGR, GZR, IAS, LOT, MLR, SIRR, VRI
- Serbian Seismological Network (SJ) – <http://www.seismo.gov.rs/>  
stations: BBLS, BEO, DJES, FRGS
- Slovak Seismological Network (SK) – <http://www.seismology.sk/>  
stations: CRVS, IZAB, KECS, KOLS, LANS, MASL, MODS, PODL, SMOL, SRO, STHS, VYHS, ZST
- Slovenian Seismological Network (SL) – <http://www.arso.gov.si/en/Seismology/>  
stations: CRES, KOGS
- Carpathian Seismological Network of Ukraine (UA) – <http://seism.lviv.ua/>  
stations: BRIU, CHRU, HOLU, HORU, KORU, KSV, MEZ, MORS, MUKU, NDNU, NSLU, RAKU, SHIU, STNU, STZU, TRSU, UZH

Table 1.1: Parameters of the permanent stations of the Hungarian National Seismological Network in 2024

Station	Lat. (°N)	Lon. (°E)	Height (m)	Sensor <sup>a</sup>	Acquisition <sup>b</sup>	Org. <sup>c</sup>	Period <sup>d</sup>
ABAH Abaújkér	48.2961	21.2397	195	STS-2.5	DM24S3	EPSS	01.01-12.31
AMBH Ambrózfalva	46.3501	20.7258	88	LE-3D	DM24S3	EPSS	01.25-12.31
BEHE Becsehely	46.4706	16.7757	289	CMG-3T LE-3D	DM24S3	EPSS	01.01-11.12 11.12-12.31
BSZH Besenyszög	47.2996	20.2670	82	CMG-3T	DM24S3	EPSS	01.01-12.31
BUD Budapest	47.4831	19.0201	195	STS-2	PS-6-24 and SeisComP PC	EPSS	01.01-12.31
CSKK Csókakő	47.3631	18.2605	319	CMG-3T	DM24SE	EPSS	01.01-12.13
CSBH Csákberény	47.3578	18.3227	261	CMG-3T	DM24SE	EPSS	12.13-12.31
EGYH Egyházaskesző	47.4163	17.3319	129	CMG-3T	DM24S3	EPSS	01.01-12.31
KOVH Kővágóottös	46.0883	18.0999	270	STS-2.5	PS-6-24 and SeisComP PC	EPSS	01.01-12.31
LTVH Létavértes	47.3849	21.9007	121	CMG-3T	DM24S3	EPSS	01.01-12.31
MORH Mórágý	46.2149	18.6435	135	STS-2	DM24S3	EPSS	01.01-12.31
MPLH Magyarpolány	47.1712	17.5348	337	STS-2.5	PS-6-24 and SeisComP PC	EPSS	01.01-12.31
PSZ Piszkéstető	47.9181	19.8933	940	STS-2	PS-6-24 and SeisComP PC	GEOFON EPSS	01.01-12.31
SOP Sopron	47.6807	16.5567	260	STS-2	PS-6-24 and SeisComP PC	EPSS	01.01-12.31
TIH Tihany	46.9001	17.8878	189	CMG-3ESP	CMG-3ESP	EPSS	01.01-12.31
TRPA Tarpa	48.1304	22.5391	113	STS-2	DM24S3	EPSS	01.01-12.31

<sup>a</sup> Sensors:

CMG-3T – Güralp CMG-3T broadband seismometer  
 STS-2 and STS-2.5 – Streckeisen broadband seismometers  
 CMG-3ESP – Güralp CMG-3SP seismometer/digitizer  
 LE-3D – Lennartz 5s short period seismometer;

<sup>b</sup> Data acquisition units (the recording is digital and continuous at all stations):

DM24S3 – Güralp CMG-DM24S3EAM data acquisition system  
 CMG-DAS – Güralp CMG-DAS data acquisition system  
 PS-6-24 – Earth Data 24-bit digitizer  
 CMG-3ESP – Güralp CMG-3SP seismometer/digitizer  
 SeisComP PC – PrioComP computer equipped with SeisComP software

<sup>c</sup> Operating organization:

GEOFON – GEOFON Global Seismic Network, GFZ, Germany  
 EPSS – Institute of Earth Physics and Space Science, Hungary

<sup>d</sup> Availability period in 2024

Table 1.2: Parameters of the temporary stations of the Hungarian National Seismological Network in 2024

Station	Lat. (°N)	Lon. (°E)	Height (m)	Sensor <sup>a</sup>	Acquisition <sup>b</sup>	Org. <sup>c</sup>	Period <sup>d</sup>
HU01A Pánd	47.3447	19.6203	151	CMG-3T	DM24S3	EPSS	01.01-12.31
HU02A Szentlélek	48.1222	20.525	760	CMG-3T	DM24S3	EPSS	01.01-12.31
HU03A Ecseg	47.9039	19.5997	175	CMG-3T	DM24S3	EPSS	01.01-12.31
HU04B Ágasegyháza	46.8138	19.4386	120	CMG-3T	DM24S3	EPSS	01.01-12.31
HU05A Hortobágy	47.5514	21.1376	91	CMG-3T	DM24S3	EPSS	01.01-12.31
HU06A Eperjes	46.7123	20.5675	79	CMG-3T	DM24S3	EPSS	01.01-12.31
HU07A Apagy	47.9811	21.9143	118	CMG-3T	DM24S3	EPSS	01.01-12.31
HU08A Réde	47.6386	18.3824	195	CMG-3T	DM24S3	EPSS	01.01-12.31
HU09A Baj	47.4313	17.9238	201	CMG-3T	DM24S3	EPSS	01.01-12.31
HU10A Szokolya	47.8452	19.0186	152	CMG-3T	DM24S3	EPSS	01.01-12.31
HU11A Újtikos	47.9245	21.1677	156	Horizon120	Centaur	EPSS	0.01-12.31
HU12A Kisújszállás	47.1827	20.8267	88	CMG-3T	DM24S3	EPSS	01.01-12.31
HU13A Tiszkácske	46.9877	20.0345	150	Horizon120	Centaur	EPSS	01.01-12.31
HU14A Dóc	46.4475	20.0790	120	Horizon120	Centaur	EPSS	01.01-12.31
HU21A Pusztamérges	46.3329	19.729	163	Horizon120	Centaur	DSEBRA EPSS	01.01-12.31
HU22A Érsekhalma	46.3278	19.1311	135	Horizon120	Centaur	DSEBRA EPSS	01.01-12.31
HU23A Bernáthegy	47.6389	20.2496	158	Horizon120	Centaur	DSEBRA EPSS	01.01-03.31
HU23B Bernáthegy	47.6405	20.2558	158	Horizon120	Centaur	DSEBRA EPSS	05.01-12.31
HU24A Bélmegyer	46.9099	21.159	120	Horizon120	Centaur	DSEBRA EPSS	01.01-12.31
JOS Jósvafő	48.4955	20.5374	288	STS-2	DM24S3	EPSS	01.01-12.31

<sup>a</sup> Sensors:

CMG-3T – Güralp CMG-3T broadband seismometer; Horizon120 – Nanometrics Trillium Horizon 120 broadband seismometer; STS-2 – Streckeisen broadband seismometer;

<sup>b</sup> Data acquisition units (at all stations the recording is digital and continuous):

DM24S3 – Güralp CMG-DM24S3EAM data acquisition system; Centaur – Nanometrics Centaur 24-bit digitiser

<sup>c</sup> Operating organization:

DSEBRA – German Seismological Broadband Array

EPSS – Institute of Earth Physics and Space Science, Hungary

<sup>d</sup> Availability period in 2024

Table 1.3: Parameters of the temporary stations of the Hungarian National Seismological Network in 2024

Station	Lat. (°N)	Lon. (°E)	Height (m)	Sensor <sup>a</sup>	Acquisition <sup>b</sup>	Org. <sup>c</sup>	Period <sup>d</sup>
A260A Vassurány	47.2834	16.7056	243	Horizon120	Centaur	DSEBRA EPSS	01.01-12.31
A261A Óhíd	46.9520	17.1486	171	Horizon120	Centaur	DSEBRA EPSS	01.01-12.31
A262A Szaknyér	46.8642	16.5276	240	Horizon120	Centaur	DSEBRA EPSS	01.01-02.09
A262B Szaknyér	46.8642	16.5201	283	Horizon120	Centaur	DSEBRA EPSS	02.13-02.09
A263A Hollád	46.6408	17.3149	165	Horizon120	Centaur	DSEBRA EPSS	01.01-12.31
A264A Tarany	46.1597	17.2897	143	Horizon120	Centaur	DSEBRA EPSS	01.01-12.31
A265A Kaposfüred	46.4245	17.7954	151	Horizon120	Centaur	DSEBRA EPSS	01.01-12.31
A266A Gyulaj	46.5256	18.2647	219	Horizon120	Centaur	DSEBRA EPSS	01.01-12.31
A267A Káloz	46.9463	18.4820	116	Horizon120	Centaur	DSEBRA EPSS	01.01-12.31
A271A Ivánca	47.1547	18.8341	165	Horizon120	Centaur	DSEBRA EPSS	01.01-12.31
A272A Bölcske	46.7444	18.9654	170	Horizon120	Centaur	DSEBRA EPSS	01.01-12.31
A273A Marócsa	45.9163	17.8161	100	Horizon120	Centaur	DSEBRA EPSS	01.01-12.31
CP16A Dövény	48.3422	20.5397	208	Compact	Centaur	IGS PAS EPSS	01.01-12.31
CP17A Bánhorváti	48.2191	20.5110	202	Compact	Centaur	IGS PAS EPSS	01.01-12.31
BADH Badacsonytördemic	46.8053	17.4726	158	LE-3D	DM24S3	EPSS	01.01-08.30

<sup>a</sup> Sensors:

CMG-3T – Güralp CMG-3T broadband seismometer  
 CMG-3ESP – Güralp CMG-3SP seismometer/digitizer  
 Horizon120 – Nanometrics Trillium Horizon 120 broadband seismometer  
 Compact – Nanometrics Trillium Compact 120 broadband seismometer  
 LE-3D – Lennartz 5s short period seismometer;

<sup>b</sup> Data acquisition units (at all stations the recording is digital and continuous):

DM24S3 – Güralp CMG-DM24S3EAM data acquisition system  
 CMG-3ESP – Güralp CMG-3SP seismometer/digitizer  
 Centaur – Nanometrics Centaur 24-bit digitiser

<sup>c</sup> Operating organization:

DSEBRA – German Seismological Broadband Array  
 EPSS – Institute of Earth Physics and Space Science, Hungary  
 IGS PAS – Institute of Geological Sciences, Polish Academia of Sciences, Poland

<sup>d</sup> Availability period in 2024



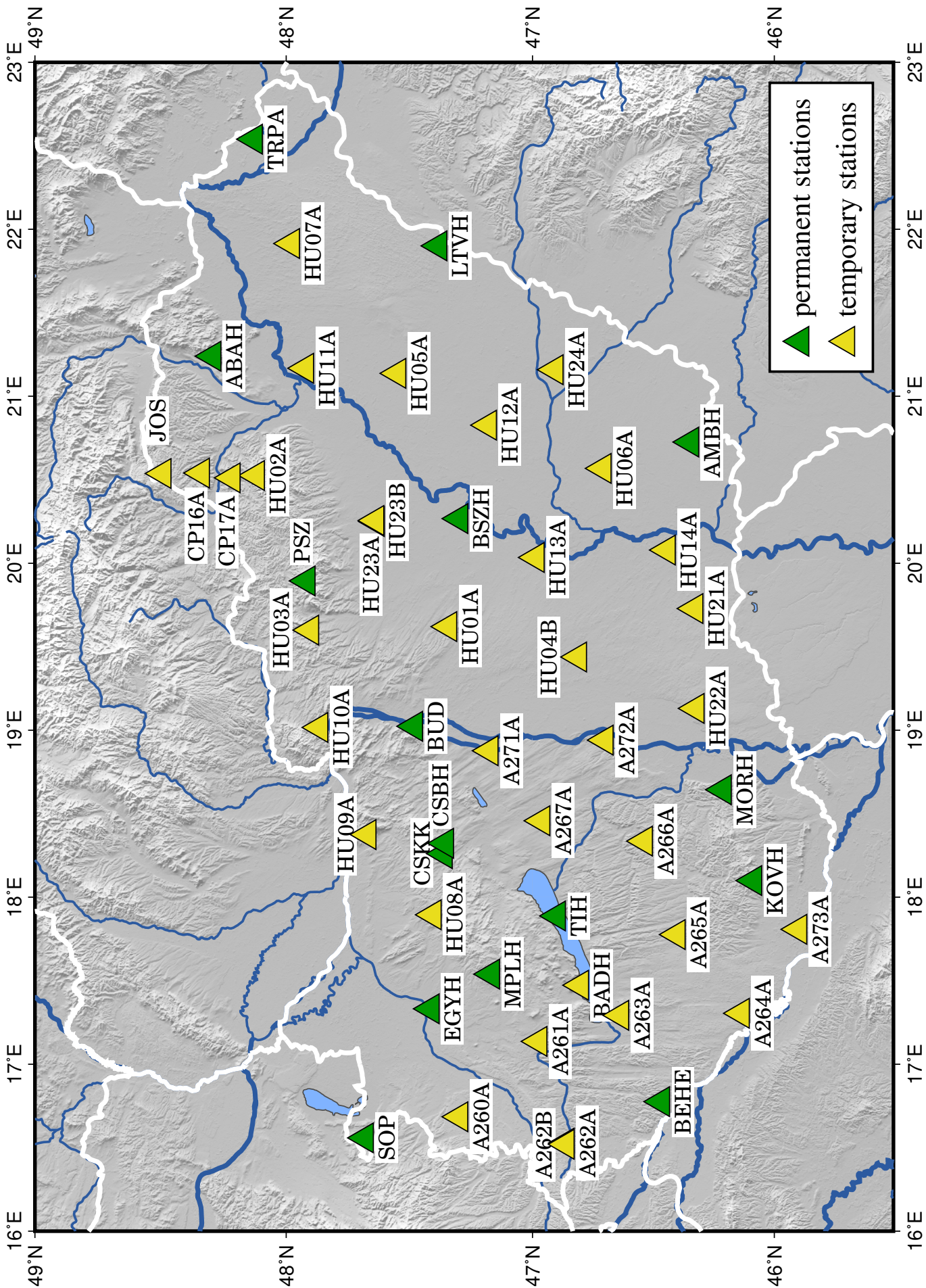


Figure 1.1: Permanent and temporary stations of the Hungarian National Seismological Network in 2024

## Data processing

### The iLoc location algorithm

The iLoc location algorithm is based on the state-of-the-art location algorithm developed for the International Seismological Centre (ISC). The ISC locator (Bondár and Storchak, 2011) is operational since 2011, that is, the ISC Bulletin is produced with the new locator since January 2009. The relocation of the entire ISC Bulletin with the ISC locator is expected to be finished by the end of 2018. The ISC locator:

- Uses most ak135 (Kennett et al., 1995) phases (including depth phases) in the location with elevation, ellipticity (Dziewonski and Gilbert 1976; Kennett and Gudmundsson 1996) and depth-phase bounce point corrections (Engdahl et al., 1998).
- Accounts for correlated travel-time prediction errors
  - Obtains initial guess from Neighbourhood Algorithm search (Sambridge 1999; Sambridge and Kennett, 2001).
  - Performs iterative linearised inversion using an a priori estimate of data covariance matrix (Bondár and McLaughlin, 2009).
- Attempts free-depth solution only if there is depth resolution
  - Default depth for fixed-depth solutions is derived from historical seismicity.
  - Independent depth estimate is obtained from depth-phase stacking (Murphy and Barker, 2006).
- Provides robust magnitude estimates with uncertainties.

In addition to the features of the ISC locator, iLoc provides further functionality to support the needs of national seismological networks:

- Supports the use of local one-dimensional velocity models for travel-time calculations.
- Obtains travel-time predictions for crustal and mantle phases from a three-dimensional global upper mantle model compliant with the RSTT parameterization (Myers et al., 2010).
- Calculates local magnitude, ML, as well as broadband body wave magnitude, mB.
- Communicates with the SeisComp3 database schema through a MySQL client.

### Location procedure

To produce the annual Hungarian National Seismological Bulletin (HNSB) all reviewed SeisComp3 events were relocated with iLoc. The SeisComp3 hypocentres include both earthquakes and anthropogenic (quarry blasts, mine explosions) events. The event type flag is set accordingly for all events in the bulletin. Bogus events were deleted from the SeisComp3 catalog.

Note that the coordinate rectangle in which we produce the HNSB includes the Pannonian basin, parts of the Alps, Carpathians and the Dinarides, so a simple 1D velocity model would not be sufficient to produce reliable travel time predictions for the large variety of geologic and tectonic provinces in the region. Relocation studies of ground truth events demonstrated that the RSTT global 3D upper mantle velocity model (Myers et al., 2010) performs better in the region than local velocity models. Hence, during the relocations with iLoc we used the RSTT model to obtain travel-time predictions for local (Pg, Pb, Sg, Sb and Lg) and regional (Pn, Sn) phases up to 15-degree epicentral distances. Beyond that we used ak135 (Kennett et al., 1995) travel time predictions.

iLoc, as all linearized location algorithms, minimizes the root-mean-square travel-time residuals of the observed seismic phase arrivals. The a priori measurement error estimate is provided for each phase that could contribute to the location of an event. During the location process, if the magnitude of the time residual of a phase (the difference between the observed and predicted arrival times) is larger than six times of the a priori measurement error, the phase is made non-defining, and it is no longer considered in the location process.

## 2. Local events

In 2024, 1661 local events (Table 2.1) have been detected by the Hungarian National Seismological Network in the area confined by the latitudes 45.5-49.0°N and longitudes 16.0-23.0°E. From these events 327 earthquakes (Fig. 2.1) and 1334 quarry explosions (Fig. 2.2) have been identified. One hundred and forty-seven explosions were labeled as ground truth events based on the reports of the respective mines (Fig. 2.3).

In Table 2.1, the column *Locality* shows the name of the nearest settlement (or the name of the mine in the case of ground truth events) if the event occurred in Hungary, otherwise the name of the country is displayed.

Table 2.1: Parameters of events detected by the Hungarian National Seismological Network (Magnitude: local magnitude (ML), Type: EQ – earthquake, GT – ground truth event, EX – explosion).

	Date	Time	Lat. (°N)	Long. (°E)	Depth (km)	Magnitude	Type	Locality
1.	2024.01.02	09:37:41.7	48.5288	20.7854	0.0	-	EX	Tornaszentandrás
2.	2024.01.02	16:17:36.7	48.0485	20.3500	5.0	1.1	EQ	Bélapátfalva
3.	2024.01.02	18:44:30.9	45.7238	21.8466	5.0	2.8	EQ	Romania
4.	2024.01.02	19:29:35.3	45.6903	21.8502	5.0	2.5	EQ	Romania
5.	2024.01.02	20:31:40.2	45.6652	21.8348	5.0	2.6	EQ	Romania
6.	2024.01.03	12:57:42.3	47.8487	16.0366	0.0	1.9	EX	Austria
7.	2024.01.04	09:01:28.4	48.5400	20.7747	0.0	1.1	EX	Komjáti
8.	2024.01.04	21:46:53.6	45.7295	21.8179	5.0	-	EQ	Romania
9.	2024.01.05	09:03:08.6	48.6277	20.7930	0.0	1.4	EX	Slovakia
10.	2024.01.06	17:32:43.4	48.0570	19.9471	10.0	-	EQ	Mátraterenye
11.	2024.01.07	00:49:39.8	46.3993	16.0806	8.0	3.2	EQ	Slovenia
12.	2024.01.08	04:01:56.5	47.6856	20.3087	8.4	1.5	EQ	Erdőtelek
13.	2024.01.08	11:00:21.0	48.1274	16.9955	0.0	1.8	EX	Austria
14.	2024.01.09	12:31:04.9	47.8793	16.0664	0.0	-	EX	Austria
15.	2024.01.10	09:02:31.7	48.5697	20.8206	0.0	-	EX	Slovakia
16.	2024.01.10	12:19:40.4	47.9590	20.3545	0.0	1.4	GT	Eger
17.	2024.01.10	20:19:43.2	47.4697	19.2625	10.0	1.6	EQ	Ecsér
18.	2024.01.11	09:06:45.9	48.6027	20.7750	0.0	1.3	EX	Slovakia
19.	2024.01.11	10:27:55.6	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
20.	2024.01.11	10:35:27.6	47.8407	16.0486	0.0	-	EX	Austria
21.	2024.01.11	10:54:12.4	48.4073	20.3175	0.0	1.3	EX	Slovakia
22.	2024.01.11	21:17:15.2	45.7312	21.8634	5.0	2.0	EQ	Romania
23.	2024.01.12	07:30:18.7	48.0453	20.7017	0.0	1.6	GT	Miskolc-Mexikóvölgy
24.	2024.01.12	09:05:12.4	48.5576	20.7774	0.0	1.2	EX	Tornanádaska
25.	2024.01.12	11:58:45.1	47.3394	16.3251	0.0	2.2	EX	Austria
26.	2024.01.13	03:04:04.4	48.0233	19.9728	10.0	1.1	EQ	Mátraterenye
27.	2024.01.15	07:34:16.2	47.8486	16.0436	0.0	-	EX	Austria
28.	2024.01.15	08:23:41.1	47.4673	18.6994	0.0	-	EX	Etyek
29.	2024.01.15	09:16:08.3	47.8298	19.9424	0.0	-	EX	Gyöngyössolyos

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
30.	2024.01.15	09:21:07.0	46.1090	18.0668	0.0	1.6	EX	Bakonya
31.	2024.01.15	09:42:15.8	48.6664	20.7674	0.0	1.5	EX	Slovakia
32.	2024.01.16	07:30:09.2	47.9425	16.0665	0.0	-	EX	Austria
33.	2024.01.16	08:14:36.8	47.6346	18.5423	0.0	-	EX	Héreg
34.	2024.01.16	10:40:30.9	48.4092	21.3311	0.0	1.3	EX	Regéc
35.	2024.01.16	12:43:39.4	47.3078	18.3561	0.0	-	EX	Magyaralmás
36.	2024.01.16	18:08:22.4	46.1466	17.0189	11.2	1.7	EQ	Croatia
37.	2024.01.17	02:25:50.1	47.6895	18.3160	9.8	-	EQ	Szomód
38.	2024.01.17	05:34:14.5	46.2843	19.8486	10.0	1.4	EQ	Zákányszék
39.	2024.01.17	07:47:06.6	48.3590	21.2931	0.0	-	EX	Arka
40.	2024.01.17	09:12:20.4	48.4186	19.3598	0.0	-	EX	Slovakia
41.	2024.01.17	09:25:50.0	46.8548	17.2699	0.0	1.9	GT	Várvölgy
42.	2024.01.17	09:33:15.7	46.8548	17.2699	0.0	-	GT	Várvölgy
43.	2024.01.17	09:58:38.7	48.5996	20.7602	0.0	1.4	EX	Slovakia
44.	2024.01.17	13:47:51.8	48.6686	20.7903	0.0	1.4	EX	Slovakia
45.	2024.01.18	09:48:09.9	48.6537	20.7783	0.0	1.4	EX	Slovakia
46.	2024.01.19	07:53:56.3	48.0453	20.7017	0.0	1.3	GT	Miskolc-Mexikóvölgy
47.	2024.01.19	08:40:20.1	47.6794	18.4734	0.0	1.9	EX	Tardos
48.	2024.01.19	09:40:25.5	48.6188	20.7591	0.0	1.4	EX	Slovakia
49.	2024.01.19	14:52:14.8	47.3631	18.4112	0.0	-	EX	Gánt
50.	2024.01.22	09:23:34.5	48.7768	21.1105	0.0	1.7	EX	Slovakia
51.	2024.01.23	10:25:44.6	47.2561	18.3498	0.0	-	EX	Sárkereszttes
52.	2024.01.23	10:32:40.1	48.6192	20.7963	0.0	1.6	EX	Slovakia
53.	2024.01.23	10:59:46.7	48.0933	17.0147	0.0	-	EX	Austria
54.	2024.01.23	12:58:43.0	46.0566	18.1305	0.0	1.3	EX	Cserkút
55.	2024.01.23	13:22:38.4	48.6984	22.1693	0.0	-	EX	Slovakia
56.	2024.01.24	08:05:52.5	48.0453	20.7017	0.0	1.6	GT	Miskolc-Mexikóvölgy
57.	2024.01.24	08:30:06.6	46.8548	17.2699	0.0	-	GT	Várvölgy
58.	2024.01.24	09:13:25.4	47.9590	20.3545	0.0	1.5	GT	Eger
59.	2024.01.24	10:42:13.7	47.1798	18.2139	0.0	-	EX	Csór
60.	2024.01.24	11:12:09.8	48.0258	20.0787	0.0	-	EX	Ivád
61.	2024.01.24	13:48:49.1	48.7985	20.9519	0.0	1.5	EX	Slovakia
62.	2024.01.25	10:14:35.8	48.3116	19.8793	0.0	2.1	EX	Slovakia
63.	2024.01.25	12:47:42.0	48.2470	21.2460	0.0	1.9	GT	Tállya
64.	2024.01.26	08:32:33.4	48.3709	17.3561	0.0	-	EX	Slovakia
65.	2024.01.26	08:54:54.7	48.0453	20.7017	0.0	1.3	GT	Miskolc-Mexikóvölgy
66.	2024.01.26	09:54:13.6	48.6079	20.7725	0.0	1.4	EX	Slovakia
67.	2024.01.27	10:24:19.6	48.5819	20.8394	0.0	-	EX	Slovakia
68.	2024.01.27	14:33:55.4	48.5937	22.9816	35.0	-	EQ	Ukraine
69.	2024.01.27	17:37:05.9	45.8321	20.9583	11.8	2.3	EQ	Romania
70.	2024.01.28	10:31:17.1	46.8765	18.0218	10.3	2.3	EQ	Zamárdi
71.	2024.01.28	10:42:04.7	46.8809	18.0323	11.0	1.9	EQ	Siófok
72.	2024.01.28	22:37:06.3	47.8293	16.2482	5.0	1.0	EQ	Austria
73.	2024.01.29	09:16:30.2	47.5056	18.7207	0.0	-	EX	Herceghalom
74.	2024.01.29	10:02:26.2	48.6420	21.5360	0.0	1.9	EX	Slovakia
75.	2024.01.29	10:10:07.4	48.6210	20.7790	0.0	1.7	EX	Slovakia
76.	2024.01.29	10:52:25.4	46.0416	18.1754	0.0	1.4	EX	Pellérd
77.	2024.01.29	13:59:38.3	48.1155	16.9821	0.0	-	EX	Austria
78.	2024.01.30	09:24:54.8	45.7277	21.8483	0.0	-	EX	Romania
79.	2024.01.30	09:32:10.5	48.1435	21.3271	0.0	-	EX	Tarcal
80.	2024.01.30	09:43:18.5	48.4714	17.5714	0.0	-	EX	Slovakia

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
81.	2024.01.30	10:20:29.3	47.1563	18.0981	0.0	-	EX	Pétfürdő
82.	2024.01.30	11:21:16.6	47.5600	18.4573	0.0	-	GT	Tatabánya
83.	2024.01.30	11:34:16.7	47.4003	18.3377	0.0	-	EX	Gánt
84.	2024.01.30	11:51:54.2	47.7967	20.1919	0.0	1.8	EX	Vécs
85.	2024.01.30	14:39:26.8	47.8635	16.0356	0.0	-	EX	Austria
86.	2024.01.31	02:19:10.5	48.8464	22.8208	6.4	2.3	EQ	Ukraine
87.	2024.01.31	10:39:38.1	48.9580	21.1852	0.0	2.0	EX	Slovakia
88.	2024.01.31	12:13:04.3	48.0290	16.2144	0.0	-	EX	Austria
89.	2024.02.01	00:39:23.6	46.7296	20.6219	13.5	2.1	EQ	Eperjes
90.	2024.02.01	06:29:07.8	46.2308	19.8503	11.9	2.0	EQ	Mórahalom
91.	2024.02.01	07:56:13.2	48.0453	20.7017	0.0	1.4	GT	Miskolc-Mexikóvölgy
92.	2024.02.01	09:25:19.6	48.6429	21.3780	0.0	2.3	EX	Slovakia
93.	2024.02.01	09:53:34.7	48.5828	20.7748	0.0	1.6	EX	Slovakia
94.	2024.02.01	12:27:15.8	48.0551	20.3661	0.0	1.5	EX	Bélapátfalva
95.	2024.02.01	23:53:27.9	46.5966	17.8626	26.3	1.6	EQ	Kisbárapáti
96.	2024.02.02	07:21:25.8	47.9322	16.0692	0.0	-	EX	Austria
97.	2024.02.02	09:35:60.0	47.2901	17.6687	0.0	1.8	EX	Bakonykoppány
98.	2024.02.02	09:45:33.2	48.6444	20.7374	0.0	1.3	EX	Slovakia
99.	2024.02.02	10:50:09.8	48.3209	21.4810	0.0	-	EX	Komlóska
100.	2024.02.03	01:22:56.3	47.4278	18.6302	10.0	-	EQ	Alcsútdoboz
101.	2024.02.03	05:00:34.5	47.7619	17.1831	0.4	2.3	EQ	Jánossomorja
102.	2024.02.03	11:35:44.7	46.0142	16.2281	0.0	-	EX	Croatia
103.	2024.02.05	09:12:48.4	48.5523	20.7808	0.0	1.5	EX	Tornanádaska
104.	2024.02.05	09:42:44.4	46.8548	17.2699	0.0	2.2	GT	Várköly
105.	2024.02.06	08:42:42.7	48.5552	20.7710	0.0	-	EX	Tornanádaska
106.	2024.02.06	10:10:57.7	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
107.	2024.02.06	10:20:15.6	47.8214	19.8630	0.0	-	EX	Gyöngyöstarján
108.	2024.02.06	10:41:53.7	47.4135	18.3287	0.0	-	EX	Gánt
109.	2024.02.06	11:00:00.4	48.1219	16.9779	0.0	-	EX	Austria
110.	2024.02.07	08:50:41.8	48.6448	20.7949	0.0	1.5	EX	Slovakia
111.	2024.02.07	10:32:49.0	48.6574	19.8777	0.0	1.6	EX	Slovakia
112.	2024.02.07	10:34:46.2	48.5166	19.4537	0.0	1.7	EX	Slovakia
113.	2024.02.07	11:22:01.0	47.8987	20.1547	0.0	1.5	EX	Tarnaszentmária
114.	2024.02.08	08:25:24.3	48.1124	16.1696	0.0	-	EX	Austria
115.	2024.02.08	08:34:58.4	47.7921	19.1805	0.0	2.1	EX	Kosd
116.	2024.02.08	09:40:53.9	48.5221	20.7315	0.0	1.0	EX	Bódvarákó
117.	2024.02.08	09:44:49.6	46.9803	17.2721	0.0	-	EX	Sümege
118.	2024.02.08	13:02:50.2	48.4942	19.9767	13.9	1.2	EQ	Slovakia
119.	2024.02.08	23:37:21.9	47.3872	18.5867	10.0	-	EQ	Vértessacska
120.	2024.02.09	01:23:33.5	46.1330	21.5072	15.0	-	EQ	Romania
121.	2024.02.09	08:46:25.1	48.0453	20.7017	0.0	1.3	GT	Miskolc-Mexikóvölgy
122.	2024.02.09	09:09:39.5	48.3790	17.3680	0.0	1.9	EX	Slovakia
123.	2024.02.09	09:54:58.5	48.4422	20.8334	0.0	1.2	EX	Rakacszend
124.	2024.02.09	10:58:43.5	48.5091	21.0623	0.0	0.9	EX	Slovakia
125.	2024.02.09	13:50:57.2	45.7026	22.7376	12.0	1.9	EQ	Romania
126.	2024.02.10	06:09:18.0	45.9121	16.0748	9.0	1.6	EQ	Croatia
127.	2024.02.10	07:25:26.8	47.6715	16.0974	7.8	1.7	EQ	Austria
128.	2024.02.10	16:13:17.7	45.8869	16.1353	5.0	2.1	EQ	Croatia
129.	2024.02.12	08:36:55.7	48.8540	21.1790	0.0	1.7	EX	Slovakia
130.	2024.02.12	08:57:38.6	47.0996	18.0205	0.0	-	EX	Litér
131.	2024.02.12	11:37:36.2	48.7899	21.2129	0.0	1.8	EX	Slovakia



	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
132.	2024.02.12	11:39:01.3	45.8584	16.0205	9.0	1.9	EQ	Croatia
133.	2024.02.12	11:53:01.8	48.9364	21.2964	0.0	1.8	EX	Slovakia
134.	2024.02.12	18:37:41.0	45.7894	18.7025	8.0	1.4	EQ	Croatia
135.	2024.02.12	22:22:30.3	46.2679	17.8284	5.0	1.5	EQ	Simonfa
136.	2024.02.13	04:25:59.1	48.3740	17.2817	5.6	-	EQ	Slovakia
137.	2024.02.13	07:18:48.9	48.4122	19.5078	0.0	-	EX	Slovakia
138.	2024.02.13	07:57:40.2	48.0453	20.7017	0.0	1.5	GT	Miskolc-Mexikóvölgy
139.	2024.02.13	10:17:22.2	47.5600	18.4573	0.0	-	GT	Tatabánya
140.	2024.02.13	10:53:51.5	47.8793	16.0660	0.0	-	EX	Austria
141.	2024.02.14	08:57:35.6	48.1721	20.0843	0.0	1.5	EX	Domaháza
142.	2024.02.14	10:05:32.0	47.9511	16.0640	0.0	-	EX	Austria
143.	2024.02.14	10:13:11.7	48.2517	19.8942	0.0	1.7	EX	Slovakia
144.	2024.02.14	10:25:01.5	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
145.	2024.02.14	10:42:36.1	48.6307	17.1587	0.0	-	EX	Slovakia
146.	2024.02.14	11:00:25.2	48.1260	17.0137	0.0	1.6	EX	Austria
147.	2024.02.14	11:19:43.5	47.3581	18.4214	0.0	-	EX	Gánt
148.	2024.02.14	12:21:24.4	47.8180	20.2561	0.0	1.5	EX	Feldebrő
149.	2024.02.15	08:05:57.2	48.4580	21.7993	0.0	1.5	EX	Slovakia
150.	2024.02.15	11:50:35.9	48.7671	21.1939	0.0	1.5	EX	Slovakia
151.	2024.02.15	13:30:04.3	47.3686	16.3805	0.0	1.8	EX	Austria
152.	2024.02.15	14:27:39.4	45.5182	18.0072	0.0	-	EX	Croatia
153.	2024.02.16	09:25:44.9	48.5694	20.7803	0.0	1.3	EX	Slovakia
154.	2024.02.16	09:51:58.4	46.8548	17.2699	0.0	2.2	GT	Várvolgy
155.	2024.02.16	23:00:53.3	48.1157	20.3484	10.0	0.7	EQ	Bükkmogyorósd
156.	2024.02.17	09:42:45.6	46.1598	18.2934	0.0	1.7	EX	Mánfa
157.	2024.02.18	19:02:16.0	46.1902	16.3815	11.0	1.9	EQ	Croatia
158.	2024.02.19	01:59:24.3	46.2004	16.7332	11.0	1.5	EQ	Croatia
159.	2024.02.19	08:45:29.1	46.1021	18.1368	0.0	1.0	EX	Cserkút
160.	2024.02.19	10:06:09.6	47.5720	18.6876	0.0	-	EX	Szomor
161.	2024.02.19	11:00:23.8	48.0429	17.1119	0.0	-	EX	Slovakia
162.	2024.02.19	12:06:13.5	48.5850	20.8822	0.0	-	EX	Slovakia
163.	2024.02.19	13:25:07.1	47.3051	17.6646	0.0	1.2	EX	Bakonykoppány
164.	2024.02.20	08:38:58.7	48.8703	21.0817	0.0	1.5	EX	Slovakia
165.	2024.02.20	09:00:32.4	47.6229	18.5025	0.0	-	EX	Tarján
166.	2024.02.20	09:20:13.3	48.3949	21.3374	0.0	-	EX	Regéc
167.	2024.02.20	09:45:38.6	46.0206	22.6700	0.0	-	EX	Romania
168.	2024.02.20	09:54:25.9	45.7440	22.8640	0.0	1.5	EX	Romania
169.	2024.02.20	10:01:41.5	47.3887	18.3906	0.0	-	EX	Gánt
170.	2024.02.20	10:13:52.5	48.7032	22.3821	0.0	-	EX	Ukraine
171.	2024.02.20	12:41:07.7	47.3812	18.3546	0.0	-	EX	Gánt
172.	2024.02.21	08:08:03.2	48.0453	20.7017	0.0	1.4	GT	Miskolc-Mexikóvölgy
173.	2024.02.21	08:58:12.0	47.9346	16.1270	0.0	-	EX	Austria
174.	2024.02.21	09:33:03.5	48.3979	17.3421	0.0	2.0	EX	Slovakia
175.	2024.02.21	09:35:49.9	48.5997	20.7734	0.0	1.4	EX	Slovakia
176.	2024.02.21	10:18:30.5	48.7819	21.5907	0.0	1.9	EX	Slovakia
177.	2024.02.21	11:23:48.8	47.5554	18.5236	0.0	-	EX	Szárlliget
178.	2024.02.21	11:36:09.0	47.9416	20.1330	0.0	1.2	EX	Recsk
179.	2024.02.21	12:01:29.5	48.0499	16.1512	0.0	-	EX	Austria
180.	2024.02.21	22:41:18.5	47.8923	16.3797	11.0	1.1	EQ	Austria
181.	2024.02.22	09:32:17.9	48.3563	19.6550	0.0	1.6	EX	Slovakia
182.	2024.02.22	09:45:29.9	48.8893	21.3507	0.0	-	EX	Slovakia

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
183.	2024.02.22	10:01:46.3	48.8623	21.0291	0.0	-	EX	Slovakia
184.	2024.02.22	10:54:23.9	48.5433	20.7802	0.0	-	EX	Komjáti
185.	2024.02.22	10:59:04.1	48.2677	21.1720	0.0	-	EX	Abaujszántó
186.	2024.02.22	10:59:57.8	48.1747	16.9067	0.0	-	EX	Austria
187.	2024.02.22	11:11:12.3	48.7333	21.0816	0.0	-	EX	Slovakia
188.	2024.02.22	11:18:47.1	47.5972	16.3723	0.0	1.6	EX	Austria
189.	2024.02.22	13:55:23.6	48.5630	22.8451	0.0	2.3	EX	Ukraine
190.	2024.02.22	14:22:05.0	48.5271	17.6138	0.0	-	EX	Slovakia
191.	2024.02.22	15:02:29.6	48.2470	21.2460	0.0	1.9	GT	Tállya
192.	2024.02.23	10:49:24.2	48.3143	19.8664	0.0	1.4	EX	Slovakia
193.	2024.02.24	09:53:31.9	46.1816	18.2843	0.0	-	EX	Komló
194.	2024.02.25	06:13:45.9	46.9849	22.6690	8.4	2.9	EQ	Romania
195.	2024.02.26	09:17:41.3	48.5276	20.7771	0.0	1.5	EX	Tornaszentandrás
196.	2024.02.26	10:04:05.5	46.1036	18.0657	0.0	1.3	EX	Bakonya
197.	2024.02.26	11:01:31.6	47.8740	20.1630	0.0	-	EX	Kisnána
198.	2024.02.26	11:47:53.2	48.6703	21.4287	0.0	-	EX	Slovakia
199.	2024.02.26	11:51:04.2	48.5589	21.3910	0.0	1.7	EX	Slovakia
200.	2024.02.26	12:18:23.5	47.8769	20.1497	0.0	-	EX	Kisnána
201.	2024.02.27	08:40:23.4	46.1552	21.5622	6.9	2.3	EQ	Romania
202.	2024.02.27	09:43:39.0	48.5229	20.8502	0.0	-	EX	Tornaszentjakab
203.	2024.02.27	09:55:33.5	47.3787	18.3624	0.0	-	EX	Gánt
204.	2024.02.27	10:00:23.4	47.1598	17.9237	0.0	-	EX	Eplény
205.	2024.02.27	10:10:11.4	47.4035	18.3528	0.0	-	EX	Gánt
206.	2024.02.27	10:19:37.9	47.8987	20.0893	0.0	1.6	GT	Recsk
207.	2024.02.27	11:00:04.1	48.1610	16.9294	0.0	-	EX	Austria
208.	2024.02.27	11:07:25.5	48.4914	21.7199	0.0	1.9	EX	Slovakia
209.	2024.02.27	13:15:56.8	48.7443	21.4450	0.0	1.7	EX	Slovakia
210.	2024.02.28	08:15:41.0	46.0601	22.9512	0.0	1.7	EX	Romania
211.	2024.02.28	09:36:31.6	48.6270	20.8019	0.0	-	EX	Slovakia
212.	2024.02.28	11:03:11.7	48.4034	20.7182	0.0	1.2	EX	Szendró
213.	2024.02.28	11:34:27.0	46.0853	22.9126	0.0	-	EX	Romania
214.	2024.02.28	12:39:08.6	47.8642	16.0379	0.0	-	EX	Austria
215.	2024.02.29	09:39:07.8	48.6057	21.3627	0.0	-	EX	Slovakia
216.	2024.02.29	09:59:39.0	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
217.	2024.02.29	10:10:03.2	47.4314	16.0989	0.0	1.5	EX	Austria
218.	2024.02.29	11:06:07.4	47.2413	18.2529	0.0	-	EX	Kincsesbánya
219.	2024.02.29	11:37:27.1	48.7516	21.6591	0.0	2.2	EX	Slovakia
220.	2024.02.29	13:55:32.5	47.8718	16.0404	0.0	-	EX	Austria
221.	2024.02.29	14:09:39.5	47.8743	16.0631	0.0	-	EX	Austria
222.	2024.02.29	14:12:51.7	48.8761	20.7324	0.0	1.6	EX	Slovakia
223.	2024.03.01	06:20:02.8	47.3226	18.3345	0.0	-	EX	Csákberény
224.	2024.03.01	07:01:05.7	47.3082	18.2926	0.0	-	EX	Söréd
225.	2024.03.01	08:05:18.9	48.0453	20.7017	0.0	1.7	GT	Miskolc-Mexikóvölgy
226.	2024.03.01	08:41:49.8	48.4938	17.5483	0.0	-	EX	Slovakia
227.	2024.03.01	08:58:39.7	47.7825	19.8575	0.0	1.5	EX	Nagyréde
228.	2024.03.01	09:29:24.9	45.8654	16.0225	9.0	2.0	EQ	Croatia
229.	2024.03.01	10:05:57.0	45.8714	16.0031	9.0	1.9	EQ	Croatia
230.	2024.03.01	10:22:09.4	48.3621	17.3179	0.0	1.9	EX	Slovakia
231.	2024.03.01	10:33:11.7	45.8688	16.0563	9.0	1.8	EQ	Croatia
232.	2024.03.01	11:46:46.9	45.8972	16.0772	9.0	1.6	EQ	Croatia
233.	2024.03.01	13:01:58.8	46.1469	16.0274	9.0	1.8	EQ	Croatia



	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
234.	2024.03.01	20:17:16.6	48.6874	19.3616	20.4	1.6	EQ	Slovakia
235.	2024.03.02	03:50:16.5	46.2726	16.4122	11.0	1.9	EQ	Croatia
236.	2024.03.02	08:50:28.9	45.8671	16.0015	5.0	1.4	EQ	Croatia
237.	2024.03.02	09:39:58.3	46.1097	18.3313	0.0	1.4	EX	Romonya
238.	2024.03.03	03:00:15.2	45.7035	18.1523	15.0	1.5	EQ	Croatia
239.	2024.03.04	04:46:08.0	46.1148	17.0581	5.0	2.0	EQ	Croatia
240.	2024.03.04	08:35:07.8	47.7478	19.4659	0.0	1.4	EX	Kálló
241.	2024.03.04	08:52:34.8	48.4062	20.7638	0.0	1.4	EX	Galvács
242.	2024.03.04	09:08:13.7	48.5301	19.4067	0.0	1.6	EX	Slovakia
243.	2024.03.04	09:17:06.0	48.7333	20.7695	0.0	1.7	EX	Slovakia
244.	2024.03.04	10:06:06.6	48.4821	19.4008	0.0	1.7	EX	Slovakia
245.	2024.03.04	10:32:53.3	48.5732	19.2178	0.0	1.6	EX	Slovakia
246.	2024.03.04	13:11:25.6	48.4583	19.9835	10.0	1.1	EQ	Slovakia
247.	2024.03.05	07:49:35.7	48.2636	21.1687	0.0	1.0	EX	Abaújszántó
248.	2024.03.05	08:04:36.7	46.1107	22.8532	0.0	-	EX	Romania
249.	2024.03.05	08:57:06.5	48.6512	20.7661	0.0	1.4	EX	Slovakia
250.	2024.03.05	09:07:57.4	47.8355	19.1270	0.0	-	GT	Sejce-Vác
251.	2024.03.05	09:27:30.1	47.3395	18.4332	0.0	-	EX	Zámoly
252.	2024.03.05	10:37:15.2	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
253.	2024.03.05	10:47:24.3	48.8386	21.4043	0.0	1.8	EX	Slovakia
254.	2024.03.05	11:15:00.0	48.0695	17.0318	0.0	1.8	EX	Austria
255.	2024.03.05	12:01:03.5	48.6631	20.1410	0.0	1.5	EX	Slovakia
256.	2024.03.05	21:46:21.1	45.9125	17.2476	5.5	1.9	EQ	Croatia
257.	2024.03.06	06:33:18.4	45.9883	17.1156	8.2	2.0	EQ	Croatia
258.	2024.03.06	09:30:27.9	46.8548	17.2699	0.0	-	GT	Várvoľgy
259.	2024.03.06	09:56:59.8	48.5321	17.6452	0.0	-	EX	Slovakia
260.	2024.03.06	12:22:03.3	45.9049	16.0039	1.8	2.0	EQ	Croatia
261.	2024.03.06	12:29:37.4	48.5424	20.9158	0.0	1.2	EX	Slovakia
262.	2024.03.07	00:58:24.4	45.8778	16.0105	9.0	3.1	EQ	Croatia
263.	2024.03.07	01:07:03.0	45.8756	16.0350	5.0	1.0	EQ	Croatia
264.	2024.03.07	07:43:30.1	48.0453	20.7017	0.0	1.2	GT	Miskolc-Mexikóvölgy
265.	2024.03.07	08:45:52.1	48.5407	20.7812	0.0	1.2	EX	Komjáti
266.	2024.03.07	09:09:35.0	48.6103	21.3896	0.0	1.6	EX	Slovakia
267.	2024.03.07	11:33:25.6	45.8672	16.0139	5.0	2.1	EQ	Croatia
268.	2024.03.07	11:56:11.4	47.2876	17.6692	0.0	1.5	EX	Bakonykoppány
269.	2024.03.07	12:25:22.0	45.9032	16.0068	5.0	1.8	EQ	Croatia
270.	2024.03.07	23:08:49.2	47.0366	16.6839	5.0	1.6	EQ	Molnaszecsőd
271.	2024.03.08	08:13:49.0	47.8987	20.0893	0.0	-	GT	Recsk
272.	2024.03.08	09:17:14.3	48.3821	19.5768	0.0	-	EX	Slovakia
273.	2024.03.08	09:22:46.2	48.6825	18.5726	0.0	1.9	EX	Slovakia
274.	2024.03.08	10:45:39.2	47.6762	16.1192	7.0	-	EQ	Austria
275.	2024.03.08	15:23:09.1	46.0909	16.1434	9.0	-	EQ	Croatia
276.	2024.03.08	19:45:42.6	45.8786	16.0208	3.1	2.7	EQ	Croatia
277.	2024.03.09	08:53:55.0	46.2021	16.0101	0.0	1.6	EX	Croatia
278.	2024.03.11	08:50:35.4	48.6389	21.4681	0.0	1.6	EX	Slovakia
279.	2024.03.11	09:30:34.1	48.4349	17.6272	0.0	-	EX	Slovakia
280.	2024.03.11	10:15:45.7	48.9017	21.3409	0.0	1.6	EX	Slovakia
281.	2024.03.11	12:52:54.9	48.3513	17.3342	0.0	-	EX	Slovakia
282.	2024.03.12	08:31:15.6	48.4582	17.6025	0.0	-	EX	Slovakia
283.	2024.03.12	08:50:27.3	48.9617	21.2601	0.0	1.9	EX	Slovakia
284.	2024.03.12	09:30:39.3	46.1453	18.3092	0.0	1.3	EX	Hosszúhetény

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
285.	2024.03.12	09:39:59.2	46.0739	22.7521	0.0	-	EX	Romania
286.	2024.03.12	09:53:35.1	48.5529	20.7171	0.0	1.3	EX	Bódvaszilas
287.	2024.03.12	10:09:51.4	45.8266	18.4015	0.0	-	EX	Kistapolca
288.	2024.03.12	10:27:14.8	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
289.	2024.03.12	10:59:57.3	48.1278	16.9647	0.0	-	EX	Austria
290.	2024.03.12	12:35:05.2	47.3659	18.4144	0.0	1.9	EX	Gánt
291.	2024.03.13	08:10:38.6	47.8987	20.0893	0.0	1.8	GT	Recsk
292.	2024.03.13	08:46:27.0	48.6309	20.7787	0.0	1.3	EX	Slovakia
293.	2024.03.13	09:15:22.8	48.3607	19.1291	0.0	1.7	EX	Slovakia
294.	2024.03.13	10:18:30.6	48.5739	20.7149	0.0	1.1	EX	Slovakia
295.	2024.03.13	10:57:24.8	48.3302	19.8562	0.0	1.9	EX	Slovakia
296.	2024.03.13	11:10:03.5	48.5467	21.2579	0.0	-	EX	Slovakia
297.	2024.03.13	13:15:00.2	47.8910	16.0913	0.0	-	EX	Austria
298.	2024.03.13	17:52:56.1	46.6317	17.4656	7.7	1.4	EQ	Somogysszentpál
299.	2024.03.13	20:05:14.2	46.6140	17.4804	4.8	1.6	EQ	Somogysszentpál
300.	2024.03.14	07:41:39.6	47.9752	16.1007	0.0	-	EX	Austria
301.	2024.03.14	07:46:17.8	48.8907	19.4192	0.0	-	EX	Slovakia
302.	2024.03.14	10:05:44.3	47.8885	19.7052	0.0	-	EX	Pásztó
303.	2024.03.14	13:42:59.5	48.4634	22.7016	0.0	2.0	EX	Ukraine
304.	2024.03.14	14:16:18.9	48.3674	17.0874	0.0	-	EX	Slovakia
305.	2024.03.14	14:18:26.9	48.4146	17.0938	0.0	1.7	EX	Slovakia
306.	2024.03.14	14:19:03.1	48.4161	17.1139	0.0	1.7	EX	Slovakia
307.	2024.03.14	14:19:36.9	48.3997	17.0657	0.0	1.7	EX	Slovakia
308.	2024.03.14	21:14:40.4	45.9006	16.0607	4.3	1.4	EQ	Croatia
309.	2024.03.15	01:57:31.3	45.5775	21.8382	35.0	2.0	EQ	Romania
310.	2024.03.15	09:28:10.7	48.5077	17.5822	0.0	-	EX	Slovakia
311.	2024.03.15	09:54:47.7	48.6547	20.7745	0.0	1.2	EX	Slovakia
312.	2024.03.15	11:26:36.4	48.9980	21.1630	0.0	2.0	EX	Slovakia
313.	2024.03.15	23:48:48.8	48.5360	17.6736	7.0	-	EQ	Slovakia
314.	2024.03.16	15:03:58.6	45.9676	16.0804	9.0	-	EQ	Croatia
315.	2024.03.16	17:19:46.1	46.1457	16.5070	8.8	1.7	EQ	Croatia
316.	2024.03.17	05:08:40.5	47.2040	18.1535	11.0	-	EQ	Várpalota
317.	2024.03.18	08:50:47.5	48.0453	20.7017	0.0	1.3	GT	Miskolc-Mexikóvölgy
318.	2024.03.18	09:36:37.7	47.8895	16.0780	0.0	-	EX	Austria
319.	2024.03.18	09:40:08.7	48.6380	21.4261	0.0	2.1	EX	Slovakia
320.	2024.03.18	09:48:36.8	48.5982	20.7851	0.0	-	EX	Slovakia
321.	2024.03.18	10:24:49.0	48.6619	21.4307	0.0	1.7	EX	Slovakia
322.	2024.03.18	11:00:14.2	48.1071	17.0220	0.0	-	EX	Austria
323.	2024.03.18	13:49:42.5	48.6804	20.8632	0.0	1.9	EX	Slovakia
324.	2024.03.19	08:43:48.5	48.4875	17.5713	0.0	-	EX	Slovakia
325.	2024.03.19	08:51:12.7	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
326.	2024.03.19	09:21:34.6	47.3561	18.3970	0.0	-	EX	Gánt
327.	2024.03.19	09:35:54.3	48.5508	22.0926	0.0	1.7	EX	Slovakia
328.	2024.03.19	09:49:50.5	48.5838	20.7495	0.0	1.4	EX	Slovakia
329.	2024.03.19	09:54:49.1	48.1992	21.2268	0.0	1.3	EX	Rátka
330.	2024.03.19	10:25:37.8	47.2716	18.3098	0.0	-	EX	Kincsesbánya
331.	2024.03.19	11:53:54.6	48.7204	20.9814	0.0	1.4	EX	Slovakia
332.	2024.03.19	14:43:40.8	47.8141	20.1904	0.0	1.6	EX	Vécs
333.	2024.03.20	08:36:39.6	48.8391	21.0163	0.0	1.5	EX	Slovakia
334.	2024.03.20	08:57:41.7	48.4550	19.3753	0.0	1.7	EX	Slovakia
335.	2024.03.20	09:13:25.3	48.5234	20.7741	0.0	1.2	EX	Tornaszentandrás

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
336.	2024.03.20	09:53:19.5	48.6770	19.9369	0.0	1.5	EX	Slovakia
337.	2024.03.20	10:18:59.1	46.9439	17.4293	0.0	-	EX	Zalahaláp
338.	2024.03.20	10:47:46.6	46.0756	22.7833	0.0	1.7	EX	Romania
339.	2024.03.20	11:33:33.6	47.7660	16.1838	0.0	-	EX	Austria
340.	2024.03.20	12:23:52.9	47.9411	16.1137	0.0	-	EX	Austria
341.	2024.03.20	13:01:33.1	47.6451	16.2593	0.0	-	EX	Austria
342.	2024.03.21	08:12:40.4	47.8920	19.4049	0.0	2.1	GT	Bercel
343.	2024.03.21	08:17:15.5	47.4937	18.4949	0.0	-	EX	Szárliget
344.	2024.03.21	08:30:19.7	48.7118	18.4408	0.0	2.0	EX	Slovakia
345.	2024.03.21	08:52:21.0	48.5439	20.7682	0.0	1.6	EX	Komjáti
346.	2024.03.21	09:19:57.7	46.0567	22.0461	0.0	-	EX	Romania
347.	2024.03.21	09:53:36.8	48.3801	17.3352	0.0	1.9	EX	Slovakia
348.	2024.03.21	10:00:07.2	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
349.	2024.03.21	12:15:05.6	47.8701	16.0724	0.0	-	EX	Austria
350.	2024.03.21	12:33:53.8	46.3314	22.9535	0.0	-	EX	Romania
351.	2024.03.22	08:09:22.5	47.8802	19.9123	0.0	-	EX	Mátraszentimre
352.	2024.03.22	09:01:55.0	48.2533	19.9414	0.0	1.9	EX	Slovakia
353.	2024.03.22	09:46:38.8	48.4033	17.2176	0.0	-	EX	Slovakia
354.	2024.03.22	10:24:26.9	48.4029	21.3753	0.0	-	EX	Regéc
355.	2024.03.22	12:19:03.8	46.0261	22.5702	0.0	-	EX	Romania
356.	2024.03.24	14:27:54.5	45.9200	16.0084	4.7	1.6	EQ	Croatia
357.	2024.03.25	08:29:12.1	47.8632	20.1007	0.0	-	EX	Kisnána
358.	2024.03.25	09:18:58.4	48.8617	21.0109	0.0	1.7	EX	Slovakia
359.	2024.03.25	09:44:51.3	48.6728	20.7244	0.0	-	EX	Slovakia
360.	2024.03.25	10:34:31.3	48.7210	21.7050	0.0	1.6	EX	Slovakia
361.	2024.03.25	10:35:40.6	48.2826	19.8599	0.0	1.8	EX	Slovakia
362.	2024.03.25	10:57:47.0	47.8597	20.1713	0.0	-	EX	Kisnána
363.	2024.03.25	11:05:18.9	47.5600	18.4573	0.0	-	GT	Tatabánya
364.	2024.03.25	12:44:55.7	47.3079	16.3995	0.0	1.6	EX	Austria
365.	2024.03.26	09:07:08.7	48.6212	20.7279	0.0	1.5	EX	Slovakia
366.	2024.03.26	09:55:08.6	46.0921	22.8133	0.0	-	EX	Romania
367.	2024.03.26	10:41:45.0	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
368.	2024.03.26	11:49:18.0	48.6628	20.7444	0.0	1.3	EX	Slovakia
369.	2024.03.26	11:53:26.9	47.3857	18.3224	0.0	-	EX	Csákberény
370.	2024.03.26	12:07:59.3	47.3530	18.3846	0.0	-	EX	Csákberény
371.	2024.03.26	12:38:17.0	47.6049	16.3712	0.0	-	EX	Austria
372.	2024.03.26	12:52:16.7	46.3687	22.9939	0.0	-	EX	Romania
373.	2024.03.26	13:45:35.0	48.4794	20.3224	0.0	-	EX	Slovakia
374.	2024.03.26	14:18:41.9	47.8355	20.1341	0.0	-	EX	Domoszló
375.	2024.03.27	09:05:45.2	48.0453	20.7017	0.0	1.3	GT	Miskolc-Mexikóvölgy
376.	2024.03.27	09:23:34.4	48.4839	19.4310	0.0	2.1	EX	Slovakia
377.	2024.03.27	14:04:22.4	48.2470	21.2460	0.0	2.0	GT	Tállya
378.	2024.03.28	08:36:31.8	48.6111	19.7742	0.0	-	EX	Slovakia
379.	2024.03.28	10:00:53.1	47.0779	18.0297	0.0	1.9	EX	Balatonfüzfő
380.	2024.03.28	10:07:07.8	48.9107	21.2739	0.0	-	EX	Slovakia
381.	2024.03.28	10:57:07.8	48.5860	20.9838	0.0	-	EX	Slovakia
382.	2024.03.28	11:21:35.5	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
383.	2024.03.28	14:06:19.4	47.8592	16.0426	0.0	-	EX	Austria
384.	2024.03.28	23:14:38.0	47.8491	18.0474	20.7	1.8	EQ	Slovakia
385.	2024.03.29	14:18:08.3	46.0221	16.0454	9.0	-	EQ	Croatia
386.	2024.03.31	04:36:40.1	47.6473	20.2630	10.0	-	EQ	Tarnabod

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
387.	2024.03.31	15:07:25.8	48.5424	19.3243	17.7	1.6	EQ	Slovakia
388.	2024.04.01	07:00:07.6	47.8381	16.2454	6.4	0.9	EQ	Austria
389.	2024.04.02	04:59:43.1	48.0569	20.3152	5.0	0.9	EQ	Mikófalva
390.	2024.04.02	06:21:57.0	47.9679	16.0833	0.0	-	EX	Austria
391.	2024.04.02	07:58:37.8	48.0142	19.1666	0.0	1.9	EX	Patak
392.	2024.04.02	08:12:46.7	48.6187	19.3157	0.0	-	EX	Slovakia
393.	2024.04.02	11:04:53.4	48.4017	18.2347	0.0	-	EX	Slovakia
394.	2024.04.03	07:36:27.9	48.3980	17.3299	0.0	-	EX	Slovakia
395.	2024.04.03	08:24:51.9	46.8548	17.2699	0.0	-	GT	Várvölgy
396.	2024.04.03	08:32:09.1	46.8548	17.2699	0.0	2.4	GT	Várvölgy
397.	2024.04.03	09:57:21.1	47.8730	16.0625	0.0	-	EX	Austria
398.	2024.04.03	10:03:56.0	47.3774	18.3717	0.0	-	EX	Gánt
399.	2024.04.04	06:15:12.2	47.9453	16.0601	0.0	-	EX	Austria
400.	2024.04.04	06:53:52.6	48.4763	17.5911	0.0	-	EX	Slovakia
401.	2024.04.04	07:07:49.2	48.2115	21.3885	0.0	1.5	EX	Szegilong
402.	2024.04.04	07:56:36.2	48.6233	20.7946	0.0	1.4	EX	Slovakia
403.	2024.04.04	08:20:47.4	48.6824	21.2051	0.0	-	EX	Slovakia
404.	2024.04.04	09:45:43.9	47.5600	18.4573	0.0	-	GT	Tatabánya
405.	2024.04.04	13:35:12.5	47.8600	16.0457	0.0	-	EX	Austria
406.	2024.04.04	16:40:04.2	47.5578	16.3223	0.0	-	EX	Austria
407.	2024.04.05	07:12:15.4	48.6112	20.7873	0.0	1.4	EX	Slovakia
408.	2024.04.05	10:21:29.6	47.8355	19.1270	0.0	1.7	GT	Sejce-Vác
409.	2024.04.06	10:09:36.9	46.1541	16.0006	0.0	-	EX	Croatia
410.	2024.04.06	10:55:36.8	48.1180	20.6974	5.0	0.8	EQ	Sajóbabony
411.	2024.04.06	15:08:58.2	45.5140	16.5113	10.0	-	EQ	Croatia
412.	2024.04.08	07:35:54.9	48.0453	20.7017	0.0	1.6	GT	Miskolc-Mexikóvölgy
413.	2024.04.08	08:27:59.9	48.4693	17.5793	0.0	-	EX	Slovakia
414.	2024.04.08	12:21:46.4	48.5940	17.6363	0.0	1.8	EX	Slovakia
415.	2024.04.08	15:23:16.8	47.6001	16.3397	0.0	1.7	EX	Austria
416.	2024.04.09	06:28:55.5	47.9677	16.0761	0.0	1.8	EX	Austria
417.	2024.04.09	07:14:24.5	47.8987	20.0893	0.0	-	GT	Recsk
418.	2024.04.09	07:44:03.3	47.3680	18.3901	0.0	-	EX	Gánt
419.	2024.04.09	08:09:26.0	48.7903	21.6536	0.0	1.8	EX	Slovakia
420.	2024.04.09	08:35:24.3	47.1794	17.9564	0.0	-	EX	Eplény
421.	2024.04.09	10:00:04.0	48.1263	16.9893	0.0	-	EX	Austria
422.	2024.04.09	10:48:10.2	46.6410	20.9167	18.7	2.4	EQ	Telekgerendás
423.	2024.04.09	13:32:03.8	47.6248	16.3614	0.0	-	EX	Austria
424.	2024.04.10	08:12:58.5	47.7891	20.1891	0.0	-	EX	Vécs
425.	2024.04.10	08:17:48.6	46.0049	22.7570	0.0	-	EX	Romania
426.	2024.04.10	08:22:26.6	46.8548	17.2699	0.0	2.4	GT	Várvölgy
427.	2024.04.10	09:11:06.4	48.5614	20.7573	0.0	1.5	EX	Komjáti
428.	2024.04.10	09:38:40.4	48.4907	18.7906	0.0	1.9	EX	Slovakia
429.	2024.04.10	09:55:25.9	48.9549	21.1868	0.0	1.6	EX	Slovakia
430.	2024.04.11	07:17:54.9	48.0453	20.7017	0.0	1.3	GT	Miskolc-Mexikóvölgy
431.	2024.04.11	08:04:39.8	48.4195	17.2493	0.0	2.1	EX	Slovakia
432.	2024.04.11	08:22:39.5	48.8293	21.2621	0.0	-	EX	Slovakia
433.	2024.04.11	08:42:08.6	48.5103	19.3642	0.0	1.7	EX	Slovakia
434.	2024.04.11	09:19:37.1	48.6216	20.7763	0.0	1.6	EX	Slovakia
435.	2024.04.11	10:07:35.1	48.6391	21.4692	0.0	1.7	EX	Slovakia
436.	2024.04.11	10:54:32.1	48.6560	20.8190	0.0	1.5	EX	Slovakia
437.	2024.04.11	11:59:53.6	48.1182	19.9427	0.0	-	EX	Bárna

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
438.	2024.04.12	08:29:07.5	48.7327	21.6736	0.0	2.0	EX	Slovakia
439.	2024.04.12	10:04:03.6	48.3415	19.6130	0.0	1.4	EX	Slovakia
440.	2024.04.13	20:26:12.6	46.3075	17.5809	0.1	1.6	EQ	Csököly
441.	2024.04.14	15:14:15.3	47.8347	16.2026	1.8	3.1	EQ	Austria
442.	2024.04.14	15:18:33.4	47.7667	16.1825	9.0	-	EQ	Austria
443.	2024.04.14	15:21:56.6	47.8199	16.2155	5.6	0.9	EQ	Austria
444.	2024.04.14	16:17:39.9	47.8099	16.2018	7.2	1.2	EQ	Austria
445.	2024.04.14	16:45:24.9	47.7910	16.1875	9.0	-	EQ	Austria
446.	2024.04.14	16:57:16.0	47.7973	16.1765	9.0	-	EQ	Austria
447.	2024.04.14	21:48:34.9	47.7856	16.1829	9.0	-	EQ	Austria
448.	2024.04.15	07:14:35.2	47.2663	17.9521	0.0	-	EX	Bakonyháza
449.	2024.04.15	09:06:40.0	48.3586	18.9381	0.0	-	EX	Slovakia
450.	2024.04.15	09:08:23.3	48.8826	21.3161	0.0	-	EX	Slovakia
451.	2024.04.15	09:17:07.6	48.6741	20.7969	0.0	1.6	EX	Slovakia
452.	2024.04.15	09:57:59.6	47.7842	18.9569	0.0	-	EX	Nagyvarasd
453.	2024.04.15	10:34:25.3	47.5600	18.4573	0.0	-	GT	Tatabánya
454.	2024.04.15	11:40:46.0	48.5415	20.8890	0.0	1.1	EX	Slovakia
455.	2024.04.15	13:39:34.0	47.8586	16.0501	0.0	1.6	EX	Austria
456.	2024.04.16	05:54:28.0	47.8081	16.1938	5.0	-	EQ	Austria
457.	2024.04.16	06:45:06.2	47.9220	16.3493	5.0	2.0	EQ	Austria
458.	2024.04.16	07:06:02.0	47.8689	20.1038	0.0	-	EX	Kisvárd
459.	2024.04.16	08:00:28.6	48.5645	20.7536	0.0	-	EX	Slovakia
460.	2024.04.16	08:08:40.8	48.5984	20.7638	0.0	1.4	EX	Slovakia
461.	2024.04.16	09:04:12.9	47.7816	18.6351	0.0	-	EX	Slovakia
462.	2024.04.16	09:22:03.8	47.8814	16.0760	0.0	1.7	EX	Austria
463.	2024.04.16	22:52:59.7	45.6065	21.8645	35.0	-	EQ	Romania
464.	2024.04.17	08:08:42.0	48.3072	19.8985	0.0	1.6	EX	Slovakia
465.	2024.04.17	08:25:42.2	46.0453	22.7473	0.0	1.9	EX	Romania
466.	2024.04.17	08:47:55.7	46.8548	17.2699	0.0	-	GT	Várköly
467.	2024.04.17	08:54:50.6	48.6328	20.7813	0.0	1.1	EX	Slovakia
468.	2024.04.17	09:47:54.7	45.9921	22.3006	0.0	-	EX	Romania
469.	2024.04.17	10:00:19.9	48.1543	16.9274	0.0	-	EX	Austria
470.	2024.04.17	10:10:13.5	47.2385	18.2457	0.0	-	EX	Bakonykúti
471.	2024.04.17	11:18:25.8	47.8782	20.1643	0.0	1.2	EX	Tarnaszentmária
472.	2024.04.18	06:23:09.0	47.9182	16.0211	0.0	-	EX	Austria
473.	2024.04.18	06:39:13.9	48.0453	20.7017	0.0	1.2	GT	Miskolc-Mexikóvölgy
474.	2024.04.18	08:10:24.9	48.4769	21.3728	0.0	-	EX	Telkibánya
475.	2024.04.18	08:19:09.4	46.1260	21.6831	0.0	-	EX	Romania
476.	2024.04.18	09:00:10.6	47.2610	18.1780	0.0	-	EX	Bakonykúti
477.	2024.04.18	09:02:22.9	47.3805	18.2359	0.0	-	EX	Mór
478.	2024.04.18	09:05:48.7	47.8920	19.4049	0.0	2.3	GT	Bercel
479.	2024.04.18	10:36:60.0	47.3254	18.4475	0.0	-	EX	Zámoly
480.	2024.04.19	06:24:02.2	46.1009	18.1008	0.0	-	EX	Kővágótöttös
481.	2024.04.19	06:51:40.3	47.3158	18.3333	0.0	-	EX	Magyaralmás
482.	2024.04.19	07:51:00.8	48.6240	21.4521	0.0	1.4	EX	Slovakia
483.	2024.04.19	08:33:34.5	48.5053	20.8011	0.0	1.5	EX	Tornabarakony
484.	2024.04.19	10:26:54.9	48.5402	19.3952	0.0	2.0	EX	Slovakia
485.	2024.04.19	13:30:12.3	46.1608	16.0323	0.0	-	EX	Croatia
486.	2024.04.21	22:04:17.7	46.0452	17.0377	12.0	2.1	EQ	Croatia
487.	2024.04.22	06:39:49.7	48.4063	19.5519	0.0	-	EX	Slovakia
488.	2024.04.22	07:55:20.5	47.9263	19.8492	0.0	0.9	EX	Mátraszentimre

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
489.	2024.04.22	08:21:34.8	45.6693	16.1122	9.0	-	EQ	Croatia
490.	2024.04.22	11:08:26.4	48.8332	20.8054	0.0	1.4	EX	Slovakia
491.	2024.04.22	11:21:39.0	48.6284	21.4201	0.0	1.9	EX	Slovakia
492.	2024.04.22	12:34:04.8	47.6028	16.3681	0.0	1.3	EX	Austria
493.	2024.04.23	09:37:02.5	47.9218	20.0690	0.0	-	EX	Parád
494.	2024.04.23	11:49:41.2	46.0643	22.8064	0.0	1.8	EX	Romania
495.	2024.04.23	22:27:49.0	48.7695	22.1720	9.4	1.8	EQ	Slovakia
496.	2024.04.24	08:27:36.4	47.8164	19.1605	0.0	1.6	EX	Kosd
497.	2024.04.24	08:43:20.4	47.1121	18.0438	0.0	-	EX	Királyszentistván
498.	2024.04.25	06:14:56.0	47.8695	16.0927	0.0	-	EX	Austria
499.	2024.04.25	06:37:11.0	47.9515	16.0565	0.0	-	EX	Austria
500.	2024.04.25	07:08:10.0	48.0453	20.7017	0.0	1.3	GT	Miskolc-Mexikóvölgy
501.	2024.04.25	07:38:48.3	48.5618	20.8470	0.0	-	EX	Slovakia
502.	2024.04.25	09:02:04.9	47.3726	18.4008	0.0	-	EX	Gánt
503.	2024.04.25	09:04:56.7	46.8548	17.2699	0.0	-	GT	Várvölgy
504.	2024.04.25	09:29:47.1	48.8370	20.5498	0.0	2.0	EX	Slovakia
505.	2024.04.25	09:47:06.1	48.5165	20.7662	0.0	1.4	EX	Tornaszentandrás
506.	2024.04.25	10:09:31.0	48.7362	21.4993	0.0	-	EX	Slovakia
507.	2024.04.25	10:30:54.0	47.2606	18.2115	0.0	-	EX	Bakonykúti
508.	2024.04.25	11:38:58.3	47.9318	16.1321	0.0	-	EX	Austria
509.	2024.04.25	16:39:09.8	48.2470	21.2460	0.0	1.9	GT	Tállya
510.	2024.04.25	17:44:56.4	47.7633	17.1641	6.0	1.7	EQ	Jánossomorja
511.	2024.04.26	08:32:43.6	48.8841	19.2835	0.0	1.7	EX	Slovakia
512.	2024.04.26	08:37:40.5	48.7004	19.8384	0.0	-	EX	Slovakia
513.	2024.04.26	08:44:32.6	48.5936	20.7672	0.0	1.0	EX	Slovakia
514.	2024.04.26	09:24:11.0	48.5522	20.6884	0.0	0.7	EX	Szögliget
515.	2024.04.26	10:59:13.2	47.3350	17.6263	0.0	-	EX	Béb
516.	2024.04.26	12:11:23.4	46.3659	22.8989	0.0	-	EX	Romania
517.	2024.04.26	18:55:36.8	47.8177	16.2138	5.0	-	EQ	Austria
518.	2024.04.27	09:21:30.8	46.1385	18.3011	0.0	-	EX	Hosszúhetény
519.	2024.04.29	07:43:22.2	47.8987	20.0893	0.0	1.5	GT	Recsk
520.	2024.04.29	07:49:02.9	48.5987	20.7999	0.0	1.2	EX	Slovakia
521.	2024.04.29	09:30:03.8	48.5100	19.3682	0.0	-	EX	Slovakia
522.	2024.04.29	10:03:08.6	48.5826	20.7632	0.0	1.6	EX	Slovakia
523.	2024.04.29	10:27:12.1	48.5996	19.0061	0.0	1.9	EX	Slovakia
524.	2024.04.29	11:20:59.2	45.9273	22.6749	0.0	1.8	EX	Romania
525.	2024.04.30	08:32:34.5	48.2953	19.9450	0.0	1.5	EX	Slovakia
526.	2024.04.30	08:56:13.4	48.3956	17.2539	0.0	1.8	EX	Slovakia
527.	2024.04.30	08:57:17.9	47.7880	19.8730	0.0	-	EX	Gyöngyöstarján
528.	2024.04.30	08:58:54.0	47.9477	21.4170	0.0	-	EX	Tiszavasvári
529.	2024.04.30	09:08:40.1	48.6491	20.0617	0.0	1.2	EX	Slovakia
530.	2024.04.30	09:12:55.1	48.6387	19.8315	0.0	1.5	EX	Slovakia
531.	2024.04.30	09:41:59.2	47.2398	18.2434	0.0	-	EX	Bakonykúti
532.	2024.04.30	10:42:01.7	47.8858	20.1384	0.0	-	EX	Kisnána
533.	2024.04.30	11:34:43.7	46.1104	18.1059	0.0	1.6	EX	Kővágóttös
534.	2024.04.30	12:23:49.3	48.9754	21.2688	0.0	-	EX	Slovakia
535.	2024.05.02	07:29:35.8	46.0947	22.8571	0.0	-	EX	Romania
536.	2024.05.02	07:36:42.5	46.0628	22.7659	0.0	1.9	EX	Romania
537.	2024.05.02	08:12:18.2	48.4921	19.4499	0.0	-	EX	Slovakia
538.	2024.05.02	08:41:38.3	47.9838	20.2576	0.0	1.2	EX	Bátor
539.	2024.05.02	08:55:44.5	46.0680	22.8101	0.0	-	EX	Romania

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
540.	2024.05.02	10:19:43.7	47.0549	17.6562	0.0	-	EX	Úrkút
541.	2024.05.02	10:20:26.0	47.3489	18.4025	0.0	-	EX	Zámoly
542.	2024.05.02	11:52:37.0	48.6362	20.9530	0.0	1.3	EX	Slovakia
543.	2024.05.02	13:03:24.7	47.5600	18.4573	0.0	-	GT	Tatabánya
544.	2024.05.02	15:58:01.3	45.7711	17.9410	10.0	1.5	EQ	Croatia
545.	2024.05.03	08:35:54.8	48.3399	19.0471	0.0	1.5	EX	Slovakia
546.	2024.05.03	08:41:41.1	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
547.	2024.05.03	09:58:30.5	48.7599	21.5878	0.0	2.0	EX	Slovakia
548.	2024.05.03	11:01:58.3	48.6858	20.1493	0.0	1.2	EX	Slovakia
549.	2024.05.06	02:15:19.7	47.5971	19.3277	10.0	1.1	EQ	Gödöllő
550.	2024.05.06	09:16:14.3	48.3954	21.3479	0.0	-	EX	Regéc
551.	2024.05.06	09:39:14.0	48.5938	20.7253	0.0	1.3	EX	Slovakia
552.	2024.05.06	10:30:24.2	48.6191	21.3903	0.0	1.4	EX	Slovakia
553.	2024.05.06	15:11:14.2	48.9267	22.1901	0.0	2.1	EX	Slovakia
554.	2024.05.06	17:08:37.0	46.5555	17.6797	10.0	-	EQ	Somogyvámos
555.	2024.05.06	23:28:47.1	46.1580	16.1696	9.0	1.2	EQ	Croatia
556.	2024.05.07	06:08:00.5	47.9473	16.0519	0.0	-	EX	Austria
557.	2024.05.07	07:29:10.2	48.5644	21.3307	0.0	1.2	EX	Slovakia
558.	2024.05.07	08:47:17.6	47.3284	18.3983	0.0	-	EX	Zámoly
559.	2024.05.07	09:22:49.4	48.5909	20.7197	0.0	1.0	EX	Slovakia
560.	2024.05.07	09:31:38.3	47.2142	18.2500	0.0	-	EX	Csór
561.	2024.05.07	09:57:42.0	47.8680	20.1480	0.0	-	EX	Kisnána
562.	2024.05.07	13:44:19.8	47.8920	16.0733	0.0	-	EX	Austria
563.	2024.05.07	14:32:47.0	45.8703	16.1600	9.0	-	EQ	Croatia
564.	2024.05.07	21:34:23.1	45.9392	16.2179	5.6	2.1	EQ	Croatia
565.	2024.05.08	07:14:45.0	46.9048	17.3346	0.0	1.6	EX	Uzsa
566.	2024.05.08	07:41:54.5	46.0691	21.9807	0.0	-	EX	Romania
567.	2024.05.08	07:55:37.8	47.7526	19.7843	0.0	1.6	EX	Ecséd
568.	2024.05.08	09:04:35.4	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
569.	2024.05.08	09:28:17.6	46.8548	17.2699	0.0	2.3	GT	Várvolgy
570.	2024.05.08	09:38:12.1	47.8878	20.1543	0.0	1.0	EX	Tarnaszentmária
571.	2024.05.08	15:00:58.3	47.5807	16.3667	0.0	-	EX	Austria
572.	2024.05.09	07:51:21.6	46.0266	22.9859	0.0	-	EX	Romania
573.	2024.05.09	09:36:42.0	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
574.	2024.05.09	10:01:19.3	48.6124	20.7689	0.0	1.5	EX	Slovakia
575.	2024.05.10	05:09:20.4	47.2913	18.3026	0.0	-	EX	Magyaralmás
576.	2024.05.10	06:20:01.7	47.3102	18.3589	0.0	-	EX	Magyaralmás
577.	2024.05.10	09:38:56.2	46.9968	22.3044	0.0	1.7	EX	Romania
578.	2024.05.10	09:59:05.2	48.5840	20.9256	0.0	-	EX	Slovakia
579.	2024.05.10	10:00:54.1	48.6263	20.8805	0.0	-	EX	Slovakia
580.	2024.05.11	09:42:02.0	47.2477	18.0085	9.0	-	EQ	Tés
581.	2024.05.12	07:14:09.6	45.8947	18.8720	10.0	1.6	EQ	Croatia
582.	2024.05.12	13:41:38.0	46.5078	16.7589	5.1	1.8	EQ	Borsfa
583.	2024.05.13	08:28:27.2	48.5011	17.5165	0.0	-	EX	Slovakia
584.	2024.05.13	08:59:26.9	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
585.	2024.05.13	09:05:30.4	48.1727	16.2980	0.0	-	EX	Austria
586.	2024.05.13	10:07:47.2	48.5845	20.8833	0.0	1.8	EX	Slovakia
587.	2024.05.13	10:31:10.0	48.6200	20.7817	0.0	1.4	EX	Slovakia
588.	2024.05.13	14:08:43.6	47.4528	16.3621	0.0	1.5	EX	Austria
589.	2024.05.13	20:19:59.7	46.4527	16.2215	0.7	1.4	EQ	Slovenia
590.	2024.05.14	07:25:53.6	47.7204	19.7927	0.0	-	EX	Ecséd

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
591.	2024.05.14	08:37:23.8	47.8355	19.1270	0.0	-	GT	Sejce-Vác
592.	2024.05.14	08:45:22.9	48.3982	17.2360	0.0	1.6	EX	Slovakia
593.	2024.05.14	10:00:13.2	48.9600	21.1713	0.0	1.6	EX	Slovakia
594.	2024.05.14	10:18:16.5	46.0519	22.7948	0.0	-	EX	Romania
595.	2024.05.14	11:13:33.1	48.5590	20.7534	0.0	1.4	EX	Komjáti
596.	2024.05.15	06:40:20.2	48.3647	17.3667	0.0	-	EX	Slovakia
597.	2024.05.15	06:48:10.0	48.0070	16.1241	0.0	-	EX	Austria
598.	2024.05.15	09:18:40.9	47.3883	18.4278	0.0	1.7	EX	Csákvár
599.	2024.05.15	09:39:02.6	48.7138	21.4651	0.0	1.7	EX	Slovakia
600.	2024.05.15	09:51:07.5	48.4709	17.6157	0.0	-	EX	Slovakia
601.	2024.05.15	09:55:54.2	48.4540	20.8880	0.0	1.5	EX	Rakaca
602.	2024.05.15	18:47:34.8	46.0754	16.4629	23.7	1.5	EQ	Croatia
603.	2024.05.16	07:08:22.6	47.8987	20.0893	0.0	1.4	GT	Recsk
604.	2024.05.16	08:19:17.6	47.8912	16.0170	0.0	-	EX	Austria
605.	2024.05.16	09:20:01.9	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
606.	2024.05.16	09:59:59.2	48.1210	16.9820	0.0	-	EX	Austria
607.	2024.05.16	11:33:52.5	45.6478	16.3419	21.4	1.7	EQ	Croatia
608.	2024.05.16	11:45:51.4	47.8954	16.0882	0.0	-	EX	Austria
609.	2024.05.17	02:29:10.4	47.6933	16.0332	7.0	-	EQ	Austria
610.	2024.05.17	07:30:21.3	48.4768	20.8226	0.0	1.3	EX	Tornabarakony
611.	2024.05.17	14:04:52.5	46.0113	21.8110	35.0	-	EQ	Romania
612.	2024.05.18	17:25:32.0	48.2939	16.8286	4.0	-	EQ	Austria
613.	2024.05.18	17:37:37.6	48.2746	16.8660	4.0	-	EQ	Austria
614.	2024.05.18	17:45:02.4	48.2959	16.8447	5.0	-	EQ	Austria
615.	2024.05.19	16:37:52.4	47.9244	19.2729	21.9	1.4	EQ	Romhány
616.	2024.05.20	07:44:39.3	48.5855	21.3921	0.0	1.4	EX	Slovakia
617.	2024.05.20	11:35:22.4	46.1671	16.4161	11.0	1.5	EQ	Croatia
618.	2024.05.20	12:00:39.1	48.8525	21.3716	0.0	1.5	EX	Slovakia
619.	2024.05.20	12:58:56.9	48.3580	19.8472	0.0	-	EX	Slovakia
620.	2024.05.21	07:44:04.1	48.9127	19.2249	0.0	1.7	EX	Slovakia
621.	2024.05.21	08:21:42.9	46.8548	17.2699	0.0	-	GT	Várvölgy
622.	2024.05.21	08:37:18.0	47.2468	18.2767	0.0	-	EX	Iszkaszentgyörgy
623.	2024.05.21	09:11:33.7	48.5027	17.5065	0.0	-	EX	Slovakia
624.	2024.05.21	09:21:02.4	48.1281	21.3454	0.0	1.6	EX	Tarcal
625.	2024.05.21	09:59:21.1	48.0308	19.6497	0.0	-	EX	Lucfalva
626.	2024.05.21	10:40:24.8	48.6293	20.8021	0.0	1.4	EX	Slovakia
627.	2024.05.21	11:32:02.3	47.6184	16.3607	0.0	1.5	EX	Austria
628.	2024.05.22	07:55:50.9	46.1356	18.2964	0.0	-	EX	Mánfa
629.	2024.05.22	08:56:51.5	48.8566	21.0522	0.0	1.5	EX	Slovakia
630.	2024.05.22	09:22:06.6	48.5863	19.1149	0.0	1.7	EX	Slovakia
631.	2024.05.22	09:23:20.4	48.7313	21.3772	0.0	1.7	EX	Slovakia
632.	2024.05.22	11:00:12.6	47.8960	20.1571	0.0	1.5	EX	Tarnaszentmária
633.	2024.05.22	12:23:37.9	47.7637	19.3972	0.0	1.9	EX	Püspökhatvan
634.	2024.05.22	14:01:43.2	47.3900	18.3907	0.0	1.9	EX	Gánt
635.	2024.05.22	17:08:57.3	48.3519	21.8631	10.0	1.8	EQ	Pácin
636.	2024.05.23	08:31:39.4	47.9444	16.0626	0.0	-	EX	Austria
637.	2024.05.23	08:33:58.5	47.8355	19.1270	0.0	1.3	GT	Sejce-Vác
638.	2024.05.23	08:38:12.2	48.6271	20.7614	0.0	-	EX	Slovakia
639.	2024.05.23	09:23:04.6	48.8428	21.1714	0.0	-	EX	Slovakia
640.	2024.05.23	10:00:26.9	48.1224	17.0016	0.0	-	EX	Austria
641.	2024.05.23	10:24:05.1	48.3556	19.8502	0.0	1.5	EX	Slovakia



	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
642.	2024.05.23	10:44:33.5	48.5073	21.6659	0.0	1.7	EX	Slovakia
643.	2024.05.23	12:13:58.6	48.4168	17.1584	0.0	-	EX	Slovakia
644.	2024.05.23	12:14:40.8	48.4209	17.1623	0.0	-	EX	Slovakia
645.	2024.05.23	12:15:51.2	48.4188	17.1455	0.0	-	EX	Slovakia
646.	2024.05.23	12:17:42.3	48.4211	17.1518	0.0	-	EX	Slovakia
647.	2024.05.23	13:00:06.6	47.8722	16.0812	0.0	-	EX	Austria
648.	2024.05.24	07:02:14.6	48.0453	20.7017	0.0	1.4	GT	Miskolc-Mexikóvölgy
649.	2024.05.24	07:37:35.4	48.5586	19.0108	0.0	1.8	EX	Slovakia
650.	2024.05.24	08:40:36.1	48.5887	20.7330	0.0	1.3	EX	Slovakia
651.	2024.05.24	08:54:10.6	48.4489	21.6129	0.0	-	EX	Slovakia
652.	2024.05.24	09:18:02.0	48.0449	19.6134	0.0	1.9	EX	Nógrádmegyer
653.	2024.05.24	09:36:38.7	47.3474	18.4064	0.0	-	EX	Zámoly
654.	2024.05.24	12:37:49.0	48.9444	22.1517	0.0	1.7	EX	Slovakia
655.	2024.05.24	15:27:45.4	46.4139	16.3514	5.0	1.4	EQ	Croatia
656.	2024.05.24	22:38:58.8	45.9417	16.0726	7.3	-	EQ	Croatia
657.	2024.05.27	08:25:29.8	46.8548	17.2699	0.0	2.1	GT	Várköly
658.	2024.05.27	08:35:57.4	48.6012	20.8568	0.0	-	EX	Slovakia
659.	2024.05.27	08:56:32.4	48.6160	21.3336	0.0	1.8	EX	Slovakia
660.	2024.05.27	10:01:00.9	48.1012	17.0183	0.0	-	EX	Austria
661.	2024.05.27	12:36:51.8	48.8971	20.7407	0.0	1.6	EX	Slovakia
662.	2024.05.27	13:41:27.3	47.2821	16.5663	0.0	-	EX	Perenye
663.	2024.05.28	07:08:23.1	46.0664	22.8152	0.0	2.1	EX	Romania
664.	2024.05.28	09:30:48.1	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
665.	2024.05.28	09:40:53.5	48.4018	17.2855	0.0	1.7	EX	Slovakia
666.	2024.05.28	09:49:32.3	48.6190	20.7974	0.0	1.4	EX	Slovakia
667.	2024.05.28	10:13:15.4	47.9184	19.9557	0.0	-	EX	Parádsasvár
668.	2024.05.28	10:47:00.7	48.5421	21.1188	0.0	-	EX	Slovakia
669.	2024.05.28	14:29:53.2	48.2347	21.2737	0.0	1.8	EX	Tállya
670.	2024.05.29	07:11:20.5	46.1020	18.0983	0.0	-	EX	Kővágótöttös
671.	2024.05.29	07:19:00.8	47.8355	19.1270	0.0	-	GT	Sejce-Vác
672.	2024.05.29	07:38:45.2	48.2711	21.4698	0.0	-	EX	Sárazsadány
673.	2024.05.29	07:45:28.6	48.3917	17.3373	0.0	1.6	EX	Slovakia
674.	2024.05.29	08:30:23.2	48.6601	20.8435	0.0	1.6	EX	Slovakia
675.	2024.05.29	09:26:18.3	47.9757	16.0279	0.0	-	EX	Austria
676.	2024.05.29	09:31:06.7	46.1416	18.2820	0.0	-	EX	Mánfa
677.	2024.05.29	10:06:05.4	47.6158	16.3626	0.0	-	EX	Austria
678.	2024.05.29	10:48:33.6	47.5600	18.4573	0.0	-	GT	Tatabánya
679.	2024.05.30	05:50:37.2	48.1720	21.3064	0.0	1.5	EX	Mád
680.	2024.05.30	06:29:34.3	45.8772	22.9388	0.0	1.5	EX	Romania
681.	2024.05.30	07:35:12.4	48.6398	21.2798	0.0	-	EX	Slovakia
682.	2024.05.30	08:12:44.0	47.1719	18.2567	0.0	-	EX	Sárkeszi
683.	2024.05.30	08:20:28.6	48.5818	20.7804	0.0	1.6	EX	Slovakia
684.	2024.05.30	09:30:04.9	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
685.	2024.05.31	07:27:45.3	47.1056	18.0738	0.0	1.2	EX	Vilonya
686.	2024.05.31	09:16:02.6	47.8548	20.1282	0.0	1.1	EX	Kisnána
687.	2024.05.31	10:30:26.4	47.8226	21.4347	23.4	1.4	EQ	Hajdúnánás
688.	2024.05.31	11:48:03.4	46.4029	22.9978	0.0	-	EX	Romania
689.	2024.06.01	03:31:48.7	47.8915	16.3426	11.0	-	EQ	Austria
690.	2024.06.02	10:58:46.0	45.9330	16.0014	3.2	0.9	EQ	Croatia
691.	2024.06.03	05:39:54.9	48.1728	21.3177	0.0	1.2	EX	Bodrogkisfalud
692.	2024.06.03	07:23:52.8	48.0453	20.7017	0.0	1.5	GT	Miskolc-Mexikóvölgy

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
693.	2024.06.03	09:15:43.1	48.8558	20.5461	0.0	2.0	EX	Slovakia
694.	2024.06.03	09:37:15.0	47.3031	17.6764	0.0	-	EX	Bakonykoppány
695.	2024.06.03	10:00:21.7	48.1314	16.9462	0.0	-	EX	Austria
696.	2024.06.03	10:43:59.5	48.5212	22.8655	0.0	2.1	EX	Ukraine
697.	2024.06.04	07:04:09.0	47.4033	18.4160	0.0	-	EX	Gánt
698.	2024.06.04	07:58:33.0	48.6244	20.7800	0.0	1.3	EX	Slovakia
699.	2024.06.04	08:11:09.4	48.4189	17.2688	0.0	-	EX	Slovakia
700.	2024.06.04	08:29:00.9	48.0453	20.7017	0.0	1.3	GT	Miskolc-Mexikóvölgy
701.	2024.06.04	09:13:08.7	47.3698	18.3673	0.0	2.0	EX	Gánt
702.	2024.06.04	13:14:04.7	47.3966	18.3735	0.0	1.9	EX	Gánt
703.	2024.06.04	21:27:19.6	47.3390	19.7858	5.0	1.7	EQ	Tápiószentmárton
704.	2024.06.05	08:24:30.8	47.9650	16.0655	0.0	-	EX	Austria
705.	2024.06.05	08:42:32.4	46.8548	17.2699	0.0	-	GT	Várvölgy
706.	2024.06.05	08:48:14.1	48.0571	19.5758	0.0	-	EX	Nagylóc
707.	2024.06.05	08:56:17.5	46.9228	17.3585	0.0	-	EX	Uzsa
708.	2024.06.05	09:08:41.6	48.8803	21.0155	0.0	1.6	EX	Slovakia
709.	2024.06.05	09:13:25.6	47.5600	18.4573	0.0	-	GT	Tatabánya
710.	2024.06.05	09:18:15.7	48.5478	20.9071	0.0	1.6	EX	Slovakia
711.	2024.06.05	09:28:18.7	48.6601	19.8864	0.0	1.5	EX	Slovakia
712.	2024.06.05	09:50:07.8	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
713.	2024.06.05	09:56:27.2	48.4845	17.5595	0.0	-	EX	Slovakia
714.	2024.06.06	07:22:24.5	48.7725	19.3833	0.0	1.6	EX	Slovakia
715.	2024.06.06	08:09:37.1	48.2189	16.9444	0.0	-	EX	Austria
716.	2024.06.06	08:23:41.0	46.2371	18.2467	0.0	-	EX	Mecsekpölöske
717.	2024.06.06	08:30:28.7	47.9151	19.4088	0.0	1.6	GT	Szanda
718.	2024.06.06	10:07:09.5	48.7653	21.3917	0.0	1.6	EX	Slovakia
719.	2024.06.06	14:13:06.1	47.4123	16.3331	0.0	-	EX	Austria
720.	2024.06.07	00:01:22.1	47.8795	17.1883	6.0	-	EQ	Levél
721.	2024.06.07	00:07:49.4	47.8815	17.2118	6.0	-	EQ	Levél
722.	2024.06.07	00:11:24.8	47.8805	17.2037	5.0	1.4	EQ	Levél
723.	2024.06.07	00:15:53.2	47.8944	17.2634	6.0	-	EQ	Mosonmagyaróvár
724.	2024.06.07	00:25:04.4	47.8790	17.2419	5.0	2.2	EQ	Mosonmagyaróvár
725.	2024.06.07	06:59:55.3	47.0368	17.9519	0.0	1.4	EX	Felsőörs
726.	2024.06.07	07:27:05.4	48.4533	20.8328	0.0	0.9	EX	Rakacaszend
727.	2024.06.07	08:33:19.5	48.3339	19.8737	0.0	2.1	EX	Slovakia
728.	2024.06.07	11:25:05.0	48.6265	20.2452	0.0	1.3	EX	Slovakia
729.	2024.06.07	11:40:16.9	47.9078	20.1544	0.0	1.3	EX	Sirok
730.	2024.06.07	19:01:25.0	46.3329	17.9990	5.7	1.9	EQ	Kaposkeresztúr
731.	2024.06.08	11:52:27.3	45.9428	16.1294	33.9	1.5	EQ	Croatia
732.	2024.06.08	17:28:54.7	46.9904	19.1648	8.3	2.6	EQ	Kunszentmiklós
733.	2024.06.10	07:10:51.0	45.9188	16.0093	5.0	1.7	EQ	Croatia
734.	2024.06.10	08:01:37.7	48.7187	18.6740	0.0	1.9	EX	Slovakia
735.	2024.06.10	08:29:51.7	48.5812	19.1998	0.0	-	EX	Slovakia
736.	2024.06.10	09:16:12.1	46.0765	18.1140	0.0	-	EX	Kővágószőlős
737.	2024.06.10	10:04:03.7	48.7193	21.2824	0.0	-	EX	Slovakia
738.	2024.06.10	14:00:06.3	48.1015	17.0214	0.0	1.6	EX	Austria
739.	2024.06.10	15:08:14.4	45.5067	17.7229	15.0	-	EQ	Croatia
740.	2024.06.11	08:38:54.6	48.6428	20.8045	0.0	1.5	EX	Slovakia
741.	2024.06.11	08:41:30.3	48.8355	21.5934	0.0	2.0	EX	Slovakia
742.	2024.06.11	08:44:38.9	48.6922	21.4438	0.0	1.6	EX	Slovakia
743.	2024.06.11	09:19:53.1	47.9980	21.1300	0.0	-	EX	Tiszadob

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
744.	2024.06.11	10:09:15.9	48.7681	21.5994	0.0	-	EX	Slovakia
745.	2024.06.11	10:44:05.2	48.8526	21.6740	0.0	1.7	EX	Slovakia
746.	2024.06.11	11:04:17.8	48.7223	22.5647	0.0	-	EX	Ukraine
747.	2024.06.12	06:15:07.1	47.9532	16.0699	0.0	-	EX	Austria
748.	2024.06.12	07:07:17.9	48.1705	21.4355	0.0	1.5	EX	Zalkod
749.	2024.06.12	07:46:46.6	46.0454	22.8592	0.0	1.8	EX	Romania
750.	2024.06.12	07:53:12.5	48.5320	19.3338	0.0	1.5	EX	Slovakia
751.	2024.06.12	07:54:23.4	48.8253	21.0369	0.0	1.6	EX	Slovakia
752.	2024.06.12	08:22:22.6	48.4033	17.4656	0.0	1.5	EX	Slovakia
753.	2024.06.12	08:25:28.6	48.9648	21.1462	0.0	1.8	EX	Slovakia
754.	2024.06.12	08:59:01.6	47.4149	18.3302	0.0	-	EX	Gánt
755.	2024.06.12	09:05:03.4	48.9784	20.2731	0.0	1.6	EX	Slovakia
756.	2024.06.12	09:43:52.5	48.6368	19.2471	0.0	-	EX	Slovakia
757.	2024.06.13	06:26:15.2	47.9915	20.8523	10.0	1.8	EQ	Nyékládháza
758.	2024.06.13	07:23:08.9	47.8987	20.0893	0.0	1.4	GT	Recsk
759.	2024.06.13	07:48:17.9	48.0453	20.7017	0.0	1.5	GT	Miskolc-Mexikóvölgy
760.	2024.06.13	08:28:22.2	46.8837	17.5196	0.0	-	GT	Diszel
761.	2024.06.13	09:05:46.6	48.3952	21.4287	0.0	-	EX	Háromhuta
762.	2024.06.13	09:35:55.1	48.3062	19.0065	0.0	-	EX	Slovakia
763.	2024.06.13	10:44:09.5	47.5620	18.4781	0.0	-	EX	Szárliget
764.	2024.06.13	11:41:47.7	48.4316	17.0652	0.0	-	EX	Slovakia
765.	2024.06.13	11:42:48.7	48.4096	17.1697	0.0	-	EX	Slovakia
766.	2024.06.13	11:43:36.0	48.4182	17.1481	0.0	-	EX	Slovakia
767.	2024.06.14	08:59:26.5	47.8657	16.0591	0.0	-	EX	Austria
768.	2024.06.14	09:07:26.6	48.5609	20.4457	0.0	1.3	EX	Slovakia
769.	2024.06.14	10:20:01.8	46.3534	22.9670	8.0	-	EQ	Romania
770.	2024.06.14	10:29:46.3	48.7290	19.8529	0.0	1.6	EX	Slovakia
771.	2024.06.14	11:01:44.2	47.7563	18.6190	0.0	-	EX	Tát
772.	2024.06.15	08:30:09.4	46.1572	18.2829	0.0	1.3	EX	Mánfa
773.	2024.06.15	13:17:47.2	47.4815	18.8194	10.0	-	EQ	Biatorbágy
774.	2024.06.17	05:21:21.8	47.9445	16.0640	0.0	-	EX	Austria
775.	2024.06.17	06:55:51.6	47.7703	16.4615	0.0	-	EX	Austria
776.	2024.06.17	07:00:29.2	48.3826	19.6011	0.0	-	EX	Slovakia
777.	2024.06.17	08:41:21.7	48.3902	19.5267	0.0	-	EX	Slovakia
778.	2024.06.17	08:57:00.4	47.3754	16.0650	1.2	1.9	EQ	Austria
779.	2024.06.17	09:08:12.5	48.5986	20.7513	0.0	1.6	EX	Slovakia
780.	2024.06.17	10:00:10.6	48.1600	16.8748	0.0	-	EX	Austria
781.	2024.06.17	10:36:07.7	48.6839	21.4118	0.0	1.9	EX	Slovakia
782.	2024.06.17	11:43:02.6	46.0557	17.6192	5.0	1.7	EQ	Kálmánca
783.	2024.06.17	12:20:26.4	46.1374	17.6537	4.5	1.6	EQ	Lad
784.	2024.06.17	14:40:04.0	48.5317	17.6535	7.0	1.7	EQ	Slovakia
785.	2024.06.17	16:15:01.7	46.0605	17.6387	0.5	1.6	EQ	Kálmánca
786.	2024.06.18	06:37:33.1	47.9484	20.2867	0.0	-	EX	Egerbakta
787.	2024.06.18	07:54:17.4	48.1818	21.2468	0.0	1.2	EX	Mád
788.	2024.06.18	08:14:25.6	48.3816	17.3148	0.0	-	EX	Slovakia
789.	2024.06.18	10:18:43.4	47.3349	18.3913	0.0	-	EX	Zámoly
790.	2024.06.19	06:26:02.7	47.8428	20.1359	0.0	1.2	EX	Kisnána
791.	2024.06.19	06:29:44.9	46.2126	18.0715	0.0	-	EX	Kishajmás
792.	2024.06.19	07:46:14.7	48.4705	19.3908	0.0	1.6	EX	Slovakia
793.	2024.06.19	09:04:01.6	48.5947	20.7881	0.0	1.4	EX	Slovakia
794.	2024.06.19	09:10:37.9	48.3869	17.3668	0.0	-	EX	Slovakia

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
795.	2024.06.19	09:57:14.9	48.8202	21.6159	0.0	2.0	EX	Slovakia
796.	2024.06.19	10:37:59.5	47.5600	18.4573	0.0	-	GT	Tatabánya
797.	2024.06.19	11:02:04.6	48.6702	20.2407	0.0	1.1	EX	Slovakia
798.	2024.06.20	05:04:01.6	47.2681	17.7346	0.0	-	EX	Bakonybél
799.	2024.06.20	08:29:59.1	48.4673	17.6127	0.0	-	EX	Slovakia
800.	2024.06.20	08:31:38.9	48.5089	17.4822	0.0	-	EX	Slovakia
801.	2024.06.20	08:32:58.6	48.5405	17.5776	0.0	-	EX	Slovakia
802.	2024.06.20	08:34:24.3	48.5197	17.6136	0.0	-	EX	Slovakia
803.	2024.06.20	09:01:35.8	47.3558	18.3681	0.0	1.8	EX	Csákberény
804.	2024.06.20	09:53:05.4	48.5987	20.9035	0.0	1.4	EX	Slovakia
805.	2024.06.20	11:37:46.8	47.9540	16.1348	0.0	-	EX	Austria
806.	2024.06.21	03:46:39.7	45.6084	18.1504	15.0	-	EQ	Croatia
807.	2024.06.21	05:54:53.1	48.3698	21.3484	0.0	-	EX	Mogyoróska
808.	2024.06.21	06:53:14.3	46.8548	17.2699	0.0	2.0	GT	Várvölgy
809.	2024.06.21	08:50:49.2	48.7034	21.2403	0.0	1.7	EX	Slovakia
810.	2024.06.21	09:20:07.5	47.2767	17.6633	0.0	1.6	EX	Bakonybél
811.	2024.06.21	09:51:56.7	48.8831	21.3190	0.0	-	EX	Slovakia
812.	2024.06.21	09:53:38.2	47.0712	17.9454	0.0	-	EX	Szentkirályszabadja
813.	2024.06.21	11:13:33.5	46.7769	22.5737	0.0	-	EX	Romania
814.	2024.06.22	11:55:09.6	45.5187	16.0879	13.0	2.5	EQ	Croatia
815.	2024.06.24	08:04:55.5	48.7297	21.9844	0.0	1.6	EX	Slovakia
816.	2024.06.24	08:08:46.0	46.1269	18.1021	0.0	-	EX	Abaliget
817.	2024.06.24	09:52:57.2	47.8918	16.0275	0.0	-	EX	Austria
818.	2024.06.24	11:19:19.1	48.6704	20.2282	0.0	-	EX	Slovakia
819.	2024.06.25	04:03:24.1	45.7492	21.8685	5.0	2.1	EQ	Romania
820.	2024.06.25	07:48:18.8	48.5369	20.8353	0.0	1.2	EX	Becskeháza
821.	2024.06.25	07:55:42.7	48.6561	20.0242	0.0	1.2	EX	Slovakia
822.	2024.06.25	08:33:18.0	48.6295	20.3642	0.0	1.2	EX	Slovakia
823.	2024.06.25	08:45:16.4	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
824.	2024.06.25	09:11:32.2	48.2470	21.2460	0.0	1.7	GT	Tállya
825.	2024.06.25	09:41:27.3	48.3439	18.6097	0.0	-	EX	Slovakia
826.	2024.06.25	09:52:26.9	48.5906	20.7975	0.0	1.6	EX	Slovakia
827.	2024.06.25	10:25:07.3	47.8594	20.1623	0.0	-	EX	Kisnána
828.	2024.06.25	11:39:09.3	46.1521	16.2082	0.0	1.4	EX	Croatia
829.	2024.06.26	07:02:10.4	48.6008	20.7082	0.0	1.1	EX	Slovakia
830.	2024.06.26	07:09:43.0	45.7716	22.7550	0.0	-	EX	Romania
831.	2024.06.26	07:11:15.3	45.7654	22.7944	0.0	-	EX	Romania
832.	2024.06.26	07:37:24.9	46.0531	22.8279	0.0	1.9	EX	Romania
833.	2024.06.26	09:06:56.9	46.8548	17.2699	0.0	-	GT	Várvölgy
834.	2024.06.27	07:48:55.0	48.9566	19.4293	0.0	-	EX	Slovakia
835.	2024.06.27	08:22:09.9	48.5141	20.7584	0.0	1.4	EX	Tornaszentandrás
836.	2024.06.27	09:07:28.3	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
837.	2024.06.27	09:19:27.4	48.5551	20.8152	0.0	-	EX	Bódvalenke
838.	2024.06.27	09:29:29.9	47.1109	18.0278	0.0	-	EX	Királyszentistván
839.	2024.06.27	10:00:07.7	48.1021	16.9860	0.0	1.5	EX	Austria
840.	2024.06.27	21:37:30.8	45.8594	17.4836	32.0	1.4	EQ	Croatia
841.	2024.06.27	23:00:05.3	46.0823	17.6369	9.1	1.0	EQ	Kálmánca
842.	2024.06.28	06:41:43.9	46.2048	18.1021	0.0	2.0	EX	Bodolyabér
843.	2024.06.28	07:13:35.6	47.9038	19.8536	0.0	-	EX	Mátraszentimre
844.	2024.06.28	07:58:13.5	48.1582	17.0435	0.0	-	EX	Slovakia
845.	2024.06.28	09:41:20.1	48.3734	19.1257	0.0	1.7	EX	Slovakia

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
846.	2024.06.28	11:13:20.7	47.5025	16.3435	0.0	-	EX	Austria
847.	2024.06.28	11:46:29.8	46.1472	16.0168	9.0	1.9	EQ	Croatia
848.	2024.06.30	17:13:46.1	45.5646	16.3642	10.0	2.0	EQ	Croatia
849.	2024.07.01	00:37:00.1	48.3890	20.5228	10.0	0.4	EQ	Ragály
850.	2024.07.01	04:43:31.5	47.7206	16.2585	13.0	0.7	EQ	Austria
851.	2024.07.01	07:23:20.5	48.0111	20.8533	0.0	1.5	EX	Mályi
852.	2024.07.01	07:50:21.6	47.9298	19.7850	0.0	-	EX	Tar
853.	2024.07.01	09:28:39.0	48.2637	19.7472	0.0	1.2	EX	Slovakia
854.	2024.07.01	10:00:51.9	47.9708	20.0667	0.0	0.8	EX	Mátraderecske
855.	2024.07.01	10:58:18.2	48.8275	20.9457	0.0	1.8	EX	Slovakia
856.	2024.07.02	00:45:42.5	47.1604	17.7946	11.0	-	EQ	Hárskút
857.	2024.07.02	00:58:10.5	46.1551	22.6185	5.0	1.4	EQ	Romania
858.	2024.07.02	01:39:06.0	46.1665	22.6856	5.0	1.7	EQ	Romania
859.	2024.07.02	07:47:31.2	47.8601	20.1627	0.0	-	EX	Kisnána
860.	2024.07.02	08:03:38.9	48.4031	17.2638	0.0	-	EX	Slovakia
861.	2024.07.02	09:34:46.2	48.4081	17.2730	0.0	-	EX	Slovakia
862.	2024.07.02	09:56:33.1	48.9985	19.4598	0.0	1.7	EX	Slovakia
863.	2024.07.02	10:11:01.0	48.4561	17.5970	0.0	-	EX	Slovakia
864.	2024.07.02	14:01:10.7	47.3605	18.3548	0.0	1.8	EX	Csákberény
865.	2024.07.02	14:17:00.6	47.3219	18.4023	0.0	-	EX	Zámoly
866.	2024.07.02	17:25:48.8	47.8108	16.1339	4.7	-	EQ	Austria
867.	2024.07.03	07:10:15.3	48.8468	21.0632	0.0	1.8	EX	Slovakia
868.	2024.07.03	08:45:33.5	46.1405	18.2946	0.0	-	EX	Mánfa
869.	2024.07.03	09:29:20.8	46.8902	17.3220	0.0	2.2	GT	Uzsa
870.	2024.07.03	10:09:00.3	48.9912	21.2582	0.0	1.4	EX	Slovakia
871.	2024.07.04	02:30:41.2	47.6046	17.9607	5.0	1.6	EQ	Rétalap
872.	2024.07.04	05:33:25.0	47.8987	20.0893	0.0	1.3	GT	Recsk
873.	2024.07.04	07:02:43.9	47.9847	20.3935	0.0	1.1	EX	Felsőtárkány
874.	2024.07.04	07:32:05.7	48.6527	18.6511	0.0	1.8	EX	Slovakia
875.	2024.07.04	08:27:39.9	48.4342	20.8079	0.0	-	EX	Meszes
876.	2024.07.04	09:26:25.6	47.8667	20.1703	0.0	-	EX	Kisnána
877.	2024.07.04	09:37:35.2	47.1017	17.8341	0.0	1.5	EX	Márkó
878.	2024.07.04	11:00:07.0	48.8408	20.9053	0.0	1.9	EX	Slovakia
879.	2024.07.04	11:09:37.2	48.5959	17.2044	0.0	-	EX	Slovakia
880.	2024.07.05	00:47:46.8	47.2827	17.4498	12.0	-	EQ	Nóráp
881.	2024.07.05	05:07:58.7	45.5544	16.0604	23.4	1.3	EQ	Croatia
882.	2024.07.05	08:36:43.0	47.9087	16.0331	0.0	-	EX	Austria
883.	2024.07.05	10:15:22.2	47.9272	20.1555	0.0	-	EX	Sirok
884.	2024.07.05	23:47:34.1	47.3042	18.2085	9.0	-	EQ	Balinka
885.	2024.07.06	13:43:41.7	47.2645	17.4023	5.0	-	EQ	Pápadereske
886.	2024.07.07	01:09:34.3	46.1272	22.1428	35.0	-	EQ	Romania
887.	2024.07.08	06:09:02.7	46.8902	17.3220	0.0	-	GT	Uzsa
888.	2024.07.08	07:13:58.6	47.9388	16.0474	0.0	-	EX	Austria
889.	2024.07.08	08:33:27.3	47.0135	17.3785	0.0	2.0	EX	Gyepükaján
890.	2024.07.08	09:11:14.8	48.5324	19.3337	0.0	1.6	EX	Slovakia
891.	2024.07.08	09:49:07.6	47.9794	19.4689	0.0	-	EX	Herencsény
892.	2024.07.08	10:00:05.9	47.9976	17.1465	0.0	-	EX	Rajka
893.	2024.07.08	10:10:50.5	48.3119	19.7589	0.0	1.4	EX	Slovakia
894.	2024.07.08	10:21:41.2	47.5600	18.4573	0.0	-	GT	Tatabánya
895.	2024.07.08	11:45:50.1	48.3370	19.8571	0.0	1.4	EX	Slovakia
896.	2024.07.08	13:37:04.6	47.8557	16.0506	0.0	-	EX	Austria

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
897.	2024.07.09	02:52:44.0	47.4425	22.6363	35.0	1.8	EQ	Romania
898.	2024.07.09	08:28:03.4	48.6304	21.2384	0.0	1.4	EX	Slovakia
899.	2024.07.09	09:17:41.8	48.1301	21.3575	0.0	-	EX	Tarcal
900.	2024.07.09	09:27:43.9	47.3936	18.3396	0.0	-	EX	Gánt
901.	2024.07.09	09:29:09.5	48.7468	21.1021	0.0	1.5	EX	Slovakia
902.	2024.07.09	11:26:56.6	47.8378	16.0444	0.0	-	EX	Austria
903.	2024.07.09	11:29:40.5	47.8536	16.0462	0.0	-	EX	Austria
904.	2024.07.09	11:51:34.3	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
905.	2024.07.10	06:53:32.3	47.7917	20.2192	0.0	-	EX	Aldebrő
906.	2024.07.10	09:06:44.2	48.4382	19.2702	0.0	-	EX	Slovakia
907.	2024.07.10	09:08:31.7	48.6063	21.6680	0.0	-	EX	Slovakia
908.	2024.07.10	09:52:48.3	47.8270	19.1371	0.0	-	EX	Kosd
909.	2024.07.10	10:08:46.6	46.8902	17.3220	0.0	1.8	GT	Uzsa
910.	2024.07.10	13:12:54.7	48.1292	16.2072	0.0	-	EX	Austria
911.	2024.07.10	16:07:48.2	47.5358	22.5040	35.0	2.9	EQ	Romania
912.	2024.07.11	06:55:21.9	48.7676	21.6779	0.0	-	EX	Slovakia
913.	2024.07.11	07:58:58.8	48.6858	21.5261	0.0	-	EX	Slovakia
914.	2024.07.11	08:11:51.3	45.8053	22.3512	6.0	-	EQ	Romania
915.	2024.07.11	08:15:37.5	48.4314	21.5259	0.0	-	EX	Vágáshuta
916.	2024.07.11	10:14:52.1	48.6697	21.0833	0.0	-	EX	Slovakia
917.	2024.07.12	05:59:33.4	48.2380	19.9992	0.0	-	EX	Slovakia
918.	2024.07.12	07:42:40.0	47.3374	18.4075	0.0	-	EX	Zámoly
919.	2024.07.12	08:18:39.5	47.9473	16.0681	0.0	-	EX	Austria
920.	2024.07.12	08:28:29.9	48.4546	19.4489	0.0	1.5	EX	Slovakia
921.	2024.07.12	08:29:09.4	48.4915	19.2595	0.0	1.6	EX	Slovakia
922.	2024.07.12	08:36:08.4	48.6491	20.7454	0.0	1.4	EX	Slovakia
923.	2024.07.12	12:25:04.0	45.6247	16.3026	10.0	2.4	EQ	Croatia
924.	2024.07.12	16:53:16.9	46.1767	16.0202	9.0	1.8	EQ	Croatia
925.	2024.07.12	17:13:50.1	45.9572	16.0694	9.0	-	EQ	Croatia
926.	2024.07.13	16:55:40.2	47.3497	18.1464	7.6	1.5	EQ	Nagyveleg
927.	2024.07.14	20:29:52.4	47.8318	16.2688	6.8	0.8	EQ	Austria
928.	2024.07.15	08:06:37.5	48.9971	21.2080	0.0	-	EX	Slovakia
929.	2024.07.15	09:09:25.4	48.5712	20.7073	0.0	1.4	EX	Slovakia
930.	2024.07.15	11:28:11.2	47.8593	16.0528	0.0	-	EX	Austria
931.	2024.07.15	11:36:49.1	47.9287	16.1232	0.0	-	EX	Austria
932.	2024.07.15	12:37:29.2	45.9948	22.7226	0.0	-	EX	Romania
933.	2024.07.15	14:13:21.1	47.6945	16.3905	0.0	-	EX	Austria
934.	2024.07.16	01:20:33.5	47.3283	18.1766	0.6	1.1	EQ	Balinka
935.	2024.07.16	06:58:28.2	47.9037	20.0666	0.0	1.4	EX	Parád
936.	2024.07.16	07:31:09.6	48.3123	19.7854	0.0	-	EX	Slovakia
937.	2024.07.16	08:24:48.3	47.5600	18.4573	0.0	-	GT	Tatabánya
938.	2024.07.16	08:35:50.4	48.5793	20.8047	0.0	1.4	EX	Slovakia
939.	2024.07.16	08:48:15.3	48.5472	17.6213	7.0	-	EQ	Slovakia
940.	2024.07.16	10:01:44.6	48.1473	16.9476	0.0	-	EX	Austria
941.	2024.07.16	10:19:52.0	48.9065	20.7982	0.0	1.3	EX	Slovakia
942.	2024.07.16	10:42:42.0	46.3962	22.9634	0.0	-	EX	Romania
943.	2024.07.16	11:55:08.2	47.8987	20.0893	0.0	-	GT	Recsk
944.	2024.07.16	16:14:46.2	48.8737	22.1773	0.0	1.9	EX	Slovakia
945.	2024.07.16	21:27:46.7	46.8472	18.0485	4.1	2.3	EQ	Ságvár
946.	2024.07.17	06:23:31.2	48.1149	21.3009	0.0	-	EX	Tarcal
947.	2024.07.17	09:44:16.8	48.0049	20.6805	0.0	1.2	EX	Kisgyőr

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
948.	2024.07.17	10:07:08.0	48.3021	19.9060	0.0	1.9	EX	Slovakia
949.	2024.07.17	10:06:40.2	47.3175	16.3993	0.0	1.5	EX	Austria
950.	2024.07.17	10:08:30.9	45.6446	21.6265	35.0	-	EQ	Romania
951.	2024.07.17	14:12:15.8	47.4960	16.3421	0.0	-	EX	Austria
952.	2024.07.18	07:09:14.7	47.4702	18.7052	0.0	-	EX	Herceghalom
953.	2024.07.18	08:01:01.9	48.0219	20.2104	0.0	1.3	EX	Fedémes
954.	2024.07.18	08:28:41.5	48.3557	19.4003	0.0	1.4	EX	Slovakia
955.	2024.07.18	08:48:38.7	48.6482	21.3742	0.0	-	EX	Slovakia
956.	2024.07.18	11:15:58.7	48.5988	20.1809	0.0	1.1	EX	Slovakia
957.	2024.07.18	11:29:28.3	48.5603	17.1820	0.0	-	EX	Slovakia
958.	2024.07.18	11:30:47.1	48.4438	17.1520	0.0	-	EX	Slovakia
959.	2024.07.18	11:31:48.6	48.4267	17.1530	0.0	-	EX	Slovakia
960.	2024.07.18	11:32:17.6	48.4271	17.1416	0.0	-	EX	Slovakia
961.	2024.07.18	13:32:14.4	47.8310	16.0278	0.0	-	EX	Austria
962.	2024.07.19	06:11:07.8	47.9671	20.3582	0.0	1.1	EX	Szarvaskő
963.	2024.07.19	08:00:37.2	47.9283	20.1326	0.0	-	EX	Recsk
964.	2024.07.19	09:22:14.4	46.0626	22.8867	0.0	1.5	EX	Romania
965.	2024.07.19	09:34:02.9	46.0725	22.8206	0.0	1.8	EX	Romania
966.	2024.07.19	10:02:37.0	48.8132	19.7869	0.0	1.3	EX	Slovakia
967.	2024.07.19	10:20:56.7	48.8066	21.3763	0.0	1.7	EX	Slovakia
968.	2024.07.19	15:47:28.8	46.1385	16.0378	0.0	1.4	EX	Croatia
969.	2024.07.20	06:06:54.4	46.1248	18.3090	0.0	-	EX	Bogád
970.	2024.07.21	07:29:29.6	48.1303	17.1754	12.2	-	EQ	Slovakia
971.	2024.07.22	09:39:34.5	47.3084	18.3209	0.0	-	EX	Magyaralmás
972.	2024.07.22	09:40:47.2	47.3232	18.3148	0.0	-	EX	Söréd
973.	2024.07.23	07:57:53.0	46.0143	22.8663	0.0	1.5	EX	Romania
974.	2024.07.23	08:10:59.4	48.8332	21.0403	0.0	-	EX	Slovakia
975.	2024.07.23	08:17:44.4	48.5751	17.2778	0.0	-	EX	Slovakia
976.	2024.07.23	09:04:43.6	48.6215	21.3182	0.0	1.6	EX	Slovakia
977.	2024.07.23	09:22:58.4	48.5998	20.7952	0.0	1.4	EX	Slovakia
978.	2024.07.23	10:22:51.4	46.1185	18.0819	0.0	-	EX	Hetvehely
979.	2024.07.23	11:02:54.9	47.9398	16.1233	0.0	-	EX	Austria
980.	2024.07.23	12:00:43.5	48.5547	20.9757	0.0	1.2	EX	Slovakia
981.	2024.07.23	14:51:42.9	48.2470	21.2460	0.0	1.8	GT	Tállya
982.	2024.07.23	15:43:06.9	45.6185	17.9758	15.0	-	EQ	Croatia
983.	2024.07.24	06:32:19.8	47.0309	18.0529	0.0	-	EX	Balatonalmádi
984.	2024.07.24	07:30:59.0	48.5698	20.8077	0.0	1.0	EX	Slovakia
985.	2024.07.24	08:08:03.6	45.9578	22.8261	0.0	-	EX	Romania
986.	2024.07.24	08:35:10.2	48.5416	21.3904	0.0	1.5	EX	Hollóháza
987.	2024.07.24	08:39:04.5	47.7368	19.7983	0.0	1.2	EX	Ecséd
988.	2024.07.24	08:50:07.8	48.2527	20.2367	0.0	0.7	EX	Hangony
989.	2024.07.24	09:13:09.0	47.8987	20.0893	0.0	-	GT	Recsk
990.	2024.07.24	09:18:20.3	48.0242	20.0001	0.0	-	EX	Mátranovák
991.	2024.07.24	09:21:43.0	48.7769	21.0857	0.0	-	EX	Slovakia
992.	2024.07.24	09:48:37.8	47.8717	16.0525	0.0	-	EX	Austria
993.	2024.07.24	09:55:39.5	47.9140	16.0994	0.0	-	EX	Austria
994.	2024.07.25	01:15:03.5	47.6252	20.2845	25.7	1.2	EQ	Heves
995.	2024.07.25	07:33:07.4	48.5927	20.7737	0.0	-	EX	Slovakia
996.	2024.07.25	07:57:36.5	48.4736	19.4688	0.0	-	EX	Slovakia
997.	2024.07.25	07:59:30.3	48.3935	17.2495	0.0	1.8	EX	Slovakia
998.	2024.07.25	08:03:55.6	47.4214	18.3418	0.0	-	EX	Gánt

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
999.	2024.07.25	11:24:56.6	48.9826	20.8716	0.0	1.4	EX	Slovakia
1000.	2024.07.25	14:05:20.3	48.5897	20.8526	0.0	1.1	EX	Slovakia
1001.	2024.07.26	06:36:52.4	48.4257	21.4627	0.0	-	EX	Nagyhuta
1002.	2024.07.26	07:09:59.3	46.0574	22.8454	0.0	-	EX	Romania
1003.	2024.07.26	07:12:37.1	46.0620	22.8500	0.0	1.8	EX	Romania
1004.	2024.07.26	07:23:55.4	48.4564	19.1473	0.0	-	EX	Slovakia
1005.	2024.07.26	08:06:41.9	48.5674	20.6617	0.0	-	EX	Slovakia
1006.	2024.07.26	09:08:31.5	48.4153	21.8173	0.0	-	EX	Slovakia
1007.	2024.07.26	17:37:14.8	47.8720	17.1448	6.0	1.4	EQ	Mosonszolnok
1008.	2024.07.28	23:51:02.6	47.0587	21.4754	10.0	1.4	EQ	Komádi
1009.	2024.07.29	00:54:52.2	47.0194	21.5013	10.0	1.4	EQ	Komádi
1010.	2024.07.29	09:31:49.5	48.5048	20.7529	0.0	1.3	EX	Bódvarákó
1011.	2024.07.29	09:53:09.5	48.0096	18.9375	0.0	1.6	EX	Kemence
1012.	2024.07.29	10:57:17.1	48.3819	17.2591	0.0	-	EX	Slovakia
1013.	2024.07.30	06:40:46.2	47.9598	16.0676	0.0	-	EX	Austria
1014.	2024.07.30	06:46:22.4	47.6842	19.5021	0.0	1.8	EX	Kartal
1015.	2024.07.30	08:32:19.8	48.8991	20.9934	0.0	1.7	EX	Slovakia
1016.	2024.07.30	08:42:20.9	48.6400	18.6287	0.0	1.7	EX	Slovakia
1017.	2024.07.30	09:03:22.0	48.5217	20.8259	0.0	-	EX	Becskeháza
1018.	2024.07.30	10:00:04.7	48.0893	17.0307	0.0	-	EX	Austria
1019.	2024.07.31	08:01:20.1	46.8902	17.3220	0.0	-	GT	Uzsa
1020.	2024.07.31	08:03:10.3	46.1522	18.2950	0.0	1.2	EX	Mánfa
1021.	2024.07.31	08:54:15.7	48.8598	21.0443	0.0	1.5	EX	Slovakia
1022.	2024.07.31	09:07:55.5	46.1077	18.0699	0.0	1.4	EX	Bakonya
1023.	2024.07.31	09:28:05.4	48.5353	21.7079	0.0	1.8	EX	Slovakia
1024.	2024.07.31	10:03:23.4	45.9421	22.6890	0.0	-	EX	Romania
1025.	2024.07.31	10:43:11.1	47.5960	16.3478	0.0	1.6	EX	Austria
1026.	2024.07.31	11:23:03.5	47.8327	20.1728	0.0	1.5	EX	Vécs
1027.	2024.07.31	13:19:39.7	47.8751	16.0579	0.0	-	EX	Austria
1028.	2024.08.01	06:51:26.1	48.0453	20.7017	0.0	-	GT	Miskolc-Mexikóvölgy
1029.	2024.08.01	07:22:11.5	46.0294	22.8295	0.0	1.6	EX	Romania
1030.	2024.08.01	07:22:51.4	45.9981	22.8152	0.0	1.6	EX	Romania
1031.	2024.08.01	07:53:03.7	48.9024	19.7124	0.0	1.6	EX	Slovakia
1032.	2024.08.01	08:22:13.2	48.7828	21.6243	0.0	1.8	EX	Slovakia
1033.	2024.08.01	09:27:39.6	48.6145	20.8044	0.0	1.5	EX	Slovakia
1034.	2024.08.01	09:58:52.2	48.9066	20.7376	0.0	-	EX	Slovakia
1035.	2024.08.01	10:27:10.1	47.3606	18.3628	0.0	-	EX	Csákberény
1036.	2024.08.02	00:47:16.6	47.3636	22.3289	35.0	1.3	EQ	Romania
1037.	2024.08.02	06:45:03.6	47.2923	18.2491	0.0	-	EX	Fehérváracsurgó
1038.	2024.08.02	07:41:25.4	48.4417	17.5990	0.0	-	EX	Slovakia
1039.	2024.08.02	10:08:32.7	48.3758	19.4268	0.0	1.5	EX	Slovakia
1040.	2024.08.02	10:10:14.2	48.4126	19.2041	0.0	-	EX	Slovakia
1041.	2024.08.02	11:29:41.7	47.8825	20.1832	0.0	1.3	EX	Tarnaszentmária
1042.	2024.08.03	07:45:26.6	46.1770	18.2862	0.0	-	EX	Komló
1043.	2024.08.04	14:21:30.4	46.2830	17.1036	14.0	-	EQ	Csurgónagymarton
1044.	2024.08.04	20:31:48.4	48.2518	22.9585	4.7	1.7	EQ	Ukraine
1045.	2024.08.04	20:35:42.4	48.2224	22.9620	7.6	1.7	EQ	Ukraine
1046.	2024.08.05	06:52:44.3	48.0421	20.3030	0.0	1.1	EX	Mikófalva
1047.	2024.08.05	06:54:09.7	48.0453	20.7017	0.0	1.1	GT	Miskolc-Mexikóvölgy
1048.	2024.08.05	07:39:15.2	46.0278	22.9747	0.0	1.6	EX	Romania
1049.	2024.08.05	08:41:22.9	48.5546	20.7787	0.0	0.9	EX	Tornanádaska



	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
1050.	2024.08.05	08:52:07.8	48.5123	20.7419	0.0	1.2	EX	Bódvarákó
1051.	2024.08.05	09:26:54.9	48.5802	20.2878	0.0	1.3	EX	Slovakia
1052.	2024.08.05	09:39:09.0	48.9338	21.2938	0.0	1.8	EX	Slovakia
1053.	2024.08.05	10:00:19.1	48.1743	16.9083	0.0	-	EX	Austria
1054.	2024.08.05	11:14:58.8	46.4097	22.8838	0.0	1.7	EX	Romania
1055.	2024.08.05	23:59:31.4	47.7965	16.2097	5.0	1.0	EQ	Austria
1056.	2024.08.06	07:56:48.9	48.4040	17.3142	0.0	1.8	EX	Slovakia
1057.	2024.08.06	08:55:31.8	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
1058.	2024.08.07	09:05:20.5	48.3480	19.6782	0.0	-	EX	Slovakia
1059.	2024.08.07	09:17:53.8	46.8902	17.3220	0.0	1.9	GT	Uzsa
1060.	2024.08.07	09:20:27.2	47.2862	17.6804	0.0	-	EX	Bakonykoppány
1061.	2024.08.07	19:20:32.5	47.8514	16.1676	10.9	1.6	EQ	Austria
1062.	2024.08.07	19:22:37.1	47.8524	16.1700	9.0	0.7	EQ	Austria
1063.	2024.08.08	08:11:33.0	46.1110	18.0918	0.0	-	EX	Bakonya
1064.	2024.08.08	08:47:53.5	48.5865	20.4293	0.0	2.1	EX	Slovakia
1065.	2024.08.08	10:24:25.4	48.3122	19.8876	0.0	1.4	EX	Slovakia
1066.	2024.08.08	21:48:59.1	47.3401	22.3105	35.0	1.8	EQ	Romania
1067.	2024.08.09	08:25:40.4	48.5187	17.5619	0.0	-	EX	Slovakia
1068.	2024.08.09	11:11:46.6	48.5455	20.6538	0.0	-	EX	Szögliget
1069.	2024.08.10	06:46:47.2	47.5957	16.3618	0.0	1.3	EX	Austria
1070.	2024.08.10	15:26:08.7	47.5456	21.9422	24.6	1.6	EQ	Vámospércs
1071.	2024.08.10	15:54:19.3	47.1935	18.1195	11.0	-	EQ	Várpalota
1072.	2024.08.10	20:46:01.2	45.9716	22.0593	7.2	4.5	EQ	Romania
1073.	2024.08.10	20:51:14.5	45.9669	21.8164	35.0	-	EQ	Romania
1074.	2024.08.10	20:52:37.5	45.9964	22.0668	3.3	2.5	EQ	Romania
1075.	2024.08.10	23:34:02.2	45.9287	22.0270	35.0	-	EQ	Romania
1076.	2024.08.11	02:24:40.4	45.6085	16.2798	10.0	1.6	EQ	Croatia
1077.	2024.08.11	04:15:32.9	45.5774	16.0317	13.0	1.3	EQ	Croatia
1078.	2024.08.11	07:59:59.8	45.9287	21.9477	35.0	-	EQ	Romania
1079.	2024.08.12	01:05:18.8	46.8918	21.2777	5.0	2.2	EQ	Vésztő
1080.	2024.08.12	05:35:26.2	45.9505	21.9104	35.0	1.6	EQ	Romania
1081.	2024.08.12	06:50:37.2	47.7125	18.4922	0.0	1.8	EX	Lábatlan
1082.	2024.08.12	07:03:13.6	48.0453	20.7017	0.0	1.3	GT	Miskolc-Mexikóvölgy
1083.	2024.08.12	08:38:01.8	47.9543	16.0625	0.0	-	EX	Austria
1084.	2024.08.12	09:16:28.4	48.8696	21.2384	0.0	-	EX	Slovakia
1085.	2024.08.12	09:18:16.9	48.5926	19.2340	0.0	1.9	EX	Slovakia
1086.	2024.08.12	09:48:57.2	46.1100	18.0586	0.0	1.5	EX	Hetvehely
1087.	2024.08.12	11:01:10.7	47.5600	18.4573	0.0	-	GT	Tatabánya
1088.	2024.08.12	18:02:42.4	45.9474	21.8912	35.0	1.9	EQ	Romania
1089.	2024.08.13	06:31:42.5	46.0345	22.6835	0.0	1.7	EX	Romania
1090.	2024.08.13	06:43:04.5	46.2062	16.6463	5.6	4.6	EQ	Croatia
1091.	2024.08.13	09:02:40.6	48.6989	22.4723	0.0	1.8	EX	Ukraine
1092.	2024.08.13	09:30:28.0	48.2606	19.9179	0.0	1.4	EX	Slovakia
1093.	2024.08.13	09:37:42.3	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
1094.	2024.08.13	10:46:51.6	45.9989	22.0565	5.0	2.5	EQ	Romania
1095.	2024.08.13	10:58:05.5	48.1345	16.9661	0.0	-	EX	Austria
1096.	2024.08.13	11:28:12.5	46.3259	22.7971	0.0	2.0	EX	Romania
1097.	2024.08.13	12:46:33.5	48.6755	21.4077	0.0	2.0	EX	Slovakia
1098.	2024.08.13	13:51:09.8	48.5664	20.7518	0.0	-	EX	Slovakia
1099.	2024.08.13	14:28:40.6	46.1723	16.6485	5.0	1.5	EQ	Croatia
1100.	2024.08.14	04:16:50.5	46.1274	16.6806	11.0	-	EQ	Croatia

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
1101.	2024.08.14	08:32:57.0	47.8949	16.5284	0.0	-	EX	Austria
1102.	2024.08.14	10:21:15.2	47.8917	19.1514	0.0	-	EX	Nótincs
1103.	2024.08.14	19:19:21.8	46.0713	21.8977	5.0	1.8	EQ	Romania
1104.	2024.08.14	19:59:23.2	46.0875	22.1360	35.0	-	EQ	Romania
1105.	2024.08.14	21:20:41.2	45.8973	21.9641	35.0	-	EQ	Romania
1106.	2024.08.15	03:44:50.7	46.2114	16.6547	11.0	2.8	EQ	Croatia
1107.	2024.08.15	03:56:48.1	46.2020	16.6535	11.0	-	EQ	Croatia
1108.	2024.08.15	05:49:52.8	46.2161	16.6431	11.0	-	EQ	Croatia
1109.	2024.08.15	06:54:12.7	48.4556	19.3419	0.0	1.6	EX	Slovakia
1110.	2024.08.15	07:42:39.4	48.7910	20.0624	0.0	-	EX	Slovakia
1111.	2024.08.15	08:37:59.9	47.2890	18.1910	0.0	-	EX	Isztimér
1112.	2024.08.15	09:08:39.7	48.4553	17.5728	0.0	1.4	EX	Slovakia
1113.	2024.08.15	09:26:09.6	48.5704	20.7609	0.0	1.4	EX	Slovakia
1114.	2024.08.16	01:10:45.0	45.5576	22.5537	35.0	-	EQ	Romania
1115.	2024.08.16	01:37:12.0	46.1937	16.6488	5.0	1.7	EQ	Croatia
1116.	2024.08.16	02:13:06.8	46.1692	16.6426	11.0	-	EQ	Croatia
1117.	2024.08.16	05:06:42.5	46.1882	16.6401	11.0	-	EQ	Croatia
1118.	2024.08.16	06:41:40.6	47.3102	17.6825	0.0	-	EX	Bakonykoppány
1119.	2024.08.16	07:40:19.9	46.0942	16.6846	12.0	-	EQ	Croatia
1120.	2024.08.17	02:59:14.5	46.2331	16.6679	11.0	2.1	EQ	Croatia
1121.	2024.08.17	13:31:27.1	45.9412	20.8750	11.0	-	EQ	Romania
1122.	2024.08.17	17:05:08.4	45.8638	20.7867	17.2	2.6	EQ	Romania
1123.	2024.08.17	17:07:36.4	45.8140	20.8416	11.0	1.8	EQ	Romania
1124.	2024.08.18	03:16:21.5	45.8130	20.7790	13.1	2.1	EQ	Romania
1125.	2024.08.18	05:48:54.3	45.7024	21.6881	15.0	-	EQ	Romania
1126.	2024.08.18	15:57:00.5	46.1759	16.6306	11.0	1.8	EQ	Croatia
1127.	2024.08.19	02:24:58.3	46.1940	16.6433	11.0	-	EQ	Croatia
1128.	2024.08.19	05:09:56.5	46.0425	18.4755	5.0	2.4	EQ	Máriakéménd
1129.	2024.08.19	08:46:26.4	47.9093	21.3928	22.0	1.4	EQ	Tiszavasvári
1130.	2024.08.19	15:01:16.2	45.8296	22.1494	35.0	-	EQ	Romania
1131.	2024.08.20	05:23:54.2	46.1375	16.5701	11.0	-	EQ	Croatia
1132.	2024.08.20	05:27:00.4	46.2045	16.6712	6.3	2.3	EQ	Croatia
1133.	2024.08.20	06:37:24.5	45.9903	22.7459	0.0	-	EX	Romania
1134.	2024.08.20	07:53:13.7	48.5874	20.7900	0.0	1.0	EX	Slovakia
1135.	2024.08.20	09:35:45.0	48.4025	17.2716	4.1	2.0	EQ	Slovakia
1136.	2024.08.20	10:00:39.8	48.1039	17.1134	0.0	-	EX	Slovakia
1137.	2024.08.20	12:10:35.0	48.5501	20.8282	0.0	1.2	EX	Hidvégardó
1138.	2024.08.21	02:21:07.6	45.5330	22.9079	12.0	1.8	EQ	Romania
1139.	2024.08.21	07:28:27.1	47.8525	16.0550	0.0	-	EX	Austria
1140.	2024.08.21	08:04:57.7	48.9056	21.0679	0.0	-	EX	Slovakia
1141.	2024.08.21	08:49:24.2	47.5927	16.3462	0.0	1.4	EX	Austria
1142.	2024.08.21	09:46:15.6	48.4967	22.4600	0.0	-	EX	Ukraine
1143.	2024.08.21	09:49:15.3	48.9515	21.2995	0.0	-	EX	Slovakia
1144.	2024.08.21	10:07:08.2	47.5600	18.4573	0.0	-	GT	Tatabánya
1145.	2024.08.21	10:40:22.1	47.8648	20.1548	0.0	-	EX	Kisnána
1146.	2024.08.21	18:06:42.4	48.0296	20.4173	5.0	1.0	EQ	Bélapátfalva
1147.	2024.08.22	06:50:55.7	47.8920	19.4049	0.0	1.8	GT	Bercel
1148.	2024.08.22	08:32:10.9	48.5566	20.7708	0.0	-	EX	Tornanádaska
1149.	2024.08.22	08:37:51.3	48.4964	17.5362	0.0	-	EX	Slovakia
1150.	2024.08.22	08:42:00.2	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
1151.	2024.08.22	11:09:26.3	47.3681	18.4265	0.0	1.9	EX	Csákvár

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
1152.	2024.08.22	11:54:16.4	48.5625	20.9166	0.0	-	EX	Slovakia
1153.	2024.08.22	14:00:39.1	45.7874	20.7663	11.0	3.5	EQ	Romania
1154.	2024.08.22	14:35:25.1	45.8353	20.7189	10.0	-	EQ	Romania
1155.	2024.08.22	15:58:48.7	45.7976	20.7267	10.0	2.3	EQ	Romania
1156.	2024.08.22	18:33:03.6	46.8832	16.1918	5.0	1.7	EQ	Kétvölgy
1157.	2024.08.23	01:40:48.1	45.8127	20.7982	14.1	2.4	EQ	Romania
1158.	2024.08.23	02:01:01.8	46.2325	16.0535	9.0	-	EQ	Croatia
1159.	2024.08.23	03:22:13.9	46.0101	22.0639	5.0	2.4	EQ	Romania
1160.	2024.08.23	05:06:01.6	47.8817	16.0841	0.0	1.5	EX	Austria
1161.	2024.08.23	07:08:22.6	48.2390	21.4822	0.0	1.7	EX	Sárazsadány
1162.	2024.08.23	08:38:25.3	45.8292	20.7362	7.3	2.5	EQ	Romania
1163.	2024.08.23	09:10:44.4	48.2732	19.8976	0.0	2.0	EX	Slovakia
1164.	2024.08.23	13:23:09.4	47.4455	16.3276	0.0	1.5	EX	Austria
1165.	2024.08.24	00:18:55.1	45.8109	20.7196	11.0	-	EQ	Romania
1166.	2024.08.24	14:39:20.5	47.7422	18.0629	10.0	-	EQ	Komárom
1167.	2024.08.24	20:57:50.6	45.8587	20.7985	11.0	1.9	EQ	Romania
1168.	2024.08.26	07:21:42.6	48.0041	16.6195	0.0	-	EX	Austria
1169.	2024.08.26	08:11:24.5	47.8987	20.0893	0.0	1.5	GT	Recsk
1170.	2024.08.26	08:32:25.1	46.0702	22.8545	0.0	1.6	EX	Romania
1171.	2024.08.26	08:41:55.1	48.8723	21.5835	0.0	1.9	EX	Slovakia
1172.	2024.08.26	09:43:49.0	47.9002	20.1248	0.0	-	EX	Recsk
1173.	2024.08.26	10:00:49.3	48.1137	16.9793	0.0	-	EX	Austria
1174.	2024.08.27	06:11:52.0	48.3439	17.3696	0.0	-	EX	Slovakia
1175.	2024.08.27	09:30:18.3	47.9538	16.0650	0.0	-	EX	Austria
1176.	2024.08.27	10:08:05.9	48.6302	20.7888	0.0	1.4	EX	Slovakia
1177.	2024.08.27	10:28:40.8	45.9657	22.0545	5.0	2.5	EQ	Romania
1178.	2024.08.27	12:31:32.5	47.8472	16.0441	0.0	-	EX	Austria
1179.	2024.08.27	12:43:03.3	47.8650	16.0466	0.0	-	EX	Austria
1180.	2024.08.28	06:24:29.6	48.1228	21.4884	0.0	-	EX	Rakamaz
1181.	2024.08.28	07:53:03.9	46.8902	17.3220	0.0	-	GT	Uzsa
1182.	2024.08.28	08:02:25.6	46.1659	18.3062	0.0	-	EX	Hosszúhetény
1183.	2024.08.28	08:15:32.7	48.0453	20.7017	0.0	1.4	GT	Miskolc-Mexikóvölgy
1184.	2024.08.28	09:46:02.4	48.9700	21.1978	0.0	1.9	EX	Slovakia
1185.	2024.08.28	11:00:32.1	48.5695	20.5536	0.0	-	EX	Slovakia
1186.	2024.08.28	11:02:44.7	48.5627	20.0886	0.0	1.1	EX	Slovakia
1187.	2024.08.28	14:43:37.4	47.8402	16.3055	0.0	-	EX	Austria
1188.	2024.08.29	06:21:10.1	47.5640	18.6884	0.0	-	EX	Zsámbék
1189.	2024.08.29	06:53:32.4	47.9290	19.1191	0.0	1.5	EX	Tolmács
1190.	2024.08.29	07:44:08.6	47.9927	19.6582	0.0	1.4	EX	Garáb
1191.	2024.08.29	07:50:29.2	47.9518	20.1093	0.0	1.4	EX	Mátraderecske
1192.	2024.08.29	09:23:20.5	47.9852	16.0343	0.0	-	EX	Austria
1193.	2024.08.29	09:53:44.0	48.5719	20.7291	0.0	1.1	EX	Slovakia
1194.	2024.08.29	12:07:23.9	47.6069	19.0890	0.0	-	EX	Budakalász
1195.	2024.08.30	08:58:03.0	48.6335	20.7639	0.0	1.0	EX	Slovakia
1196.	2024.08.30	13:47:34.3	47.6118	16.3750	0.0	1.9	EX	Austria
1197.	2024.08.30	15:20:36.5	45.5107	16.5240	10.0	1.6	EQ	Croatia
1198.	2024.08.31	19:18:02.1	45.8411	20.7596	11.0	3.2	EQ	Romania
1199.	2024.08.31	19:39:38.6	45.8377	20.7560	12.0	2.4	EQ	Romania
1200.	2024.08.31	19:40:04.8	45.8294	20.7028	11.0	-	EQ	Romania
1201.	2024.09.02	01:38:16.9	46.2705	19.1194	7.0	2.0	EQ	Rém
1202.	2024.09.02	06:56:11.0	48.4320	21.3294	0.0	-	EX	Hejce

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
1203.	2024.09.02	07:06:31.0	45.7575	22.8255	0.0	1.3	EX	Romania
1204.	2024.09.02	07:31:20.1	48.6380	20.8008	0.0	1.1	EX	Slovakia
1205.	2024.09.02	08:55:39.8	48.9415	19.2268	0.0	-	EX	Slovakia
1206.	2024.09.02	09:26:35.5	48.9303	21.4156	0.0	-	EX	Slovakia
1207.	2024.09.02	11:29:45.5	47.9150	20.1501	0.0	1.3	EX	Recsk
1208.	2024.09.03	06:29:43.2	47.9762	16.0810	0.0	-	EX	Austria
1209.	2024.09.03	08:00:58.7	48.3779	17.2398	0.0	-	EX	Slovakia
1210.	2024.09.03	08:09:44.8	47.9739	20.2315	0.0	1.5	EX	Bátor
1211.	2024.09.03	08:28:37.8	48.5335	17.6391	0.0	1.5	EX	Slovakia
1212.	2024.09.03	08:36:19.5	48.4848	20.7650	0.0	1.0	EX	Martonyi
1213.	2024.09.03	09:24:08.0	46.9820	17.3128	0.0	-	EX	Sümege
1214.	2024.09.03	10:00:17.1	48.1360	16.9699	0.0	-	EX	Austria
1215.	2024.09.03	10:27:42.9	45.5594	17.9838	0.0	2.0	EX	Croatia
1216.	2024.09.03	10:30:09.4	46.7921	17.3139	0.0	-	EX	Gyenesdiás
1217.	2024.09.04	06:37:55.9	47.8439	19.2195	0.0	-	EX	Keszeg
1218.	2024.09.04	08:31:37.3	47.1035	18.0520	0.0	-	EX	Királyszentistván
1219.	2024.09.04	08:54:02.0	48.5148	17.6930	0.0	-	EX	Slovakia
1220.	2024.09.04	09:05:45.9	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
1221.	2024.09.04	09:35:43.0	47.5600	18.4573	0.0	-	GT	Tatabánya
1222.	2024.09.04	09:50:04.2	47.8931	16.0815	0.0	-	EX	Austria
1223.	2024.09.04	16:33:25.9	45.8567	22.1323	35.0	3.3	EQ	Romania
1224.	2024.09.04	19:57:08.0	46.4818	18.3487	10.0	-	EQ	Csibrák
1225.	2024.09.04	19:59:35.4	46.3002	18.4347	5.0	0.6	EQ	Izmény
1226.	2024.09.04	20:02:19.9	46.2900	18.4251	10.0	0.5	EQ	Máza
1227.	2024.09.05	07:36:57.9	48.3920	17.3338	0.0	-	EX	Slovakia
1228.	2024.09.05	08:02:34.9	47.8828	16.0687	0.0	-	EX	Austria
1229.	2024.09.05	15:42:20.5	45.5087	16.3366	0.0	1.8	EX	Croatia
1230.	2024.09.06	06:14:03.3	47.6483	16.2064	0.0	-	EX	Austria
1231.	2024.09.06	07:48:41.4	48.5740	20.8522	0.0	1.4	EX	Slovakia
1232.	2024.09.06	16:09:29.4	47.3471	18.1625	1.5	2.2	EQ	Nagyveleg
1233.	2024.09.06	16:54:13.2	45.8056	17.7056	15.0	1.9	EQ	Croatia
1234.	2024.09.07	23:15:16.8	48.3805	17.2630	4.1	-	EQ	Slovakia
1235.	2024.09.09	08:28:52.8	48.5591	20.7911	0.0	1.3	EX	Tornanádaska
1236.	2024.09.09	08:37:17.1	46.1404	18.2941	0.0	-	EX	Mánfa
1237.	2024.09.10	05:51:29.0	47.9337	16.0689	0.0	-	EX	Austria
1238.	2024.09.10	06:01:50.7	47.8987	20.0893	0.0	-	GT	Recsk
1239.	2024.09.10	07:10:43.3	47.3235	18.4237	0.0	-	EX	Zámoly
1240.	2024.09.10	08:31:18.5	48.6413	20.8178	0.0	1.4	EX	Slovakia
1241.	2024.09.10	08:42:35.1	48.2099	19.6952	0.0	1.4	EX	Slovakia
1242.	2024.09.10	11:01:40.0	48.1037	16.9634	0.0	-	EX	Austria
1243.	2024.09.10	11:04:02.1	47.8821	16.0753	0.0	-	EX	Austria
1244.	2024.09.10	11:54:09.9	48.2265	19.8909	0.0	1.8	EX	Slovakia
1245.	2024.09.10	12:39:20.1	48.5719	20.8056	0.0	1.1	EX	Slovakia
1246.	2024.09.11	06:53:46.3	48.0453	20.7017	0.0	1.7	GT	Miskolc-Mexikóvölgy
1247.	2024.09.11	07:09:23.4	46.8548	17.2699	0.0	-	GT	Várköly
1248.	2024.09.11	08:14:05.5	46.1122	18.3258	0.0	-	EX	Bogád
1249.	2024.09.11	09:05:11.7	48.5102	20.9216	0.0	-	EX	Pamlény
1250.	2024.09.11	10:02:48.9	47.2869	17.7140	0.0	1.8	EX	Bakonybél
1251.	2024.09.11	10:47:44.5	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
1252.	2024.09.11	10:48:29.2	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
1253.	2024.09.12	07:51:04.3	48.6356	19.8001	0.0	1.6	EX	Slovakia

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
1254.	2024.09.12	08:03:31.5	48.5575	20.8188	0.0	1.1	EX	Hidvégdó
1255.	2024.09.12	08:11:33.3	48.1839	19.5030	0.0	2.1	EX	Nógrádszakál
1256.	2024.09.12	09:24:30.1	48.1806	19.9368	0.0	-	EX	Slovakia
1257.	2024.09.12	09:30:30.9	48.3083	19.8960	0.0	1.4	EX	Slovakia
1258.	2024.09.12	09:44:09.7	45.7182	22.0677	35.0	-	EQ	Romania
1259.	2024.09.12	11:48:53.9	48.6409	20.3650	0.0	1.5	EX	Slovakia
1260.	2024.09.12	12:00:00.4	48.8657	19.6403	0.0	-	EX	Slovakia
1261.	2024.09.13	08:52:49.3	48.5609	20.8646	0.0	-	EX	Slovakia
1262.	2024.09.13	08:58:22.6	47.9547	20.2793	0.0	1.4	EX	Egerbakta
1263.	2024.09.13	09:10:11.2	48.7707	21.1956	0.0	-	EX	Slovakia
1264.	2024.09.13	09:55:13.6	48.6475	21.3576	0.0	2.2	EX	Slovakia
1265.	2024.09.13	18:45:41.2	46.1633	16.6925	11.0	2.0	EQ	Croatia
1266.	2024.09.13	22:19:38.6	45.9356	17.6142	5.0	1.2	EQ	Drávacgárdony
1267.	2024.09.14	17:06:18.6	48.2720	22.4771	35.0	1.7	EQ	Ukraine
1268.	2024.09.14	17:48:12.4	48.3792	22.2941	5.3	1.8	EQ	Ukraine
1269.	2024.09.16	07:13:16.2	48.1405	17.2356	0.0	-	EX	Slovakia
1270.	2024.09.16	07:50:52.6	48.5857	21.3590	0.0	-	EX	Slovakia
1271.	2024.09.16	09:27:01.6	48.4535	19.5718	0.0	1.3	EX	Slovakia
1272.	2024.09.16	10:52:42.3	46.0988	21.4965	15.0	1.9	EQ	Romania
1273.	2024.09.17	07:05:32.7	48.4079	21.3991	0.0	1.3	EX	Háromhuta
1274.	2024.09.17	08:02:47.9	48.1149	16.1423	0.0	-	EX	Austria
1275.	2024.09.17	08:06:04.8	48.6051	20.7908	0.0	1.1	EX	Slovakia
1276.	2024.09.17	08:34:19.1	48.8794	19.4172	0.0	1.6	EX	Slovakia
1277.	2024.09.17	09:26:28.6	48.7850	21.5999	0.0	2.1	EX	Slovakia
1278.	2024.09.17	10:03:16.7	47.9484	16.1431	0.0	-	EX	Austria
1279.	2024.09.17	11:56:41.2	48.6485	20.2608	0.0	1.3	EX	Slovakia
1280.	2024.09.17	12:54:39.4	48.9178	22.1824	0.0	-	EX	Slovakia
1281.	2024.09.17	13:45:35.0	47.9287	16.1145	0.0	-	EX	Austria
1282.	2024.09.17	15:42:23.5	45.8815	18.3015	10.0	-	EQ	Kistótfalu
1283.	2024.09.18	07:35:00.1	46.9923	17.3301	0.0	-	EX	Csabrendek
1284.	2024.09.18	07:49:18.0	46.1395	22.9952	0.0	-	EX	Romania
1285.	2024.09.18	08:21:33.2	46.0499	22.8269	0.0	1.7	EX	Romania
1286.	2024.09.18	08:25:16.6	47.9694	16.0708	0.0	-	EX	Austria
1287.	2024.09.18	09:07:43.9	48.4831	19.4231	0.0	1.6	EX	Slovakia
1288.	2024.09.18	09:33:39.1	46.8548	17.2699	0.0	-	GT	Várköly
1289.	2024.09.18	09:38:29.8	48.5457	20.7686	0.0	1.3	EX	Komjáti
1290.	2024.09.18	09:59:52.7	48.1052	17.0215	0.0	-	EX	Austria
1291.	2024.09.18	10:02:01.5	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
1292.	2024.09.18	12:02:55.5	48.0546	20.0259	0.0	-	EX	Mátranovák
1293.	2024.09.19	00:27:44.0	45.5530	16.4059	10.0	2.0	EQ	Croatia
1294.	2024.09.19	07:29:51.4	48.6044	17.1820	0.0	-	EX	Slovakia
1295.	2024.09.19	07:45:54.1	48.4178	17.2716	0.0	1.8	EX	Slovakia
1296.	2024.09.19	07:55:46.1	48.0062	20.4338	0.0	1.0	EX	Felsőtárkány
1297.	2024.09.19	08:04:14.9	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
1298.	2024.09.19	08:23:08.3	47.2352	18.2612	0.0	1.5	EX	Iszkaszentgyörgy
1299.	2024.09.19	08:43:34.8	48.6289	20.8023	0.0	1.1	EX	Slovakia
1300.	2024.09.19	08:54:33.8	48.2531	19.9589	0.0	1.8	EX	Slovakia
1301.	2024.09.19	11:18:48.0	46.3941	22.9655	0.0	-	EX	Romania
1302.	2024.09.19	11:26:07.8	47.8652	16.0559	0.0	-	EX	Austria
1303.	2024.09.20	06:38:60.0	48.1621	21.3061	0.0	1.5	EX	Mezőzombor
1304.	2024.09.20	07:41:47.9	48.8063	19.5545	0.0	1.7	EX	Slovakia

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
1305.	2024.09.20	08:23:19.2	48.7983	21.2561	0.0	1.9	EX	Slovakia
1306.	2024.09.20	08:58:03.2	48.0096	20.8489	0.0	1.5	EX	Mályi
1307.	2024.09.23	08:43:09.5	46.1271	18.3050	0.0	1.3	EX	Bogád
1308.	2024.09.23	08:49:32.2	48.6332	21.3864	0.0	-	EX	Slovakia
1309.	2024.09.23	11:10:58.3	48.6075	19.1213	0.0	1.8	EX	Slovakia
1310.	2024.09.24	06:53:31.1	46.1016	22.8371	0.0	-	EX	Romania
1311.	2024.09.24	10:34:58.4	47.3515	18.4017	0.0	-	EX	Zámoly
1312.	2024.09.24	10:49:22.9	47.5600	18.4573	0.0	-	GT	Tatabánya
1313.	2024.09.25	08:42:26.2	48.5958	20.7779	0.0	1.5	EX	Slovakia
1314.	2024.09.25	08:44:33.4	48.8195	20.5785	0.0	2.2	EX	Slovakia
1315.	2024.09.25	08:54:31.5	46.0468	22.8097	0.0	-	EX	Romania
1316.	2024.09.25	11:37:51.4	47.7686	16.2579	11.8	1.2	EQ	Austria
1317.	2024.09.26	07:26:02.3	48.3919	21.3609	0.0	-	EX	Regéc
1318.	2024.09.26	07:57:25.0	48.7668	21.1574	0.0	1.7	EX	Slovakia
1319.	2024.09.26	08:06:57.9	48.5337	20.7682	0.0	-	EX	Komjáti
1320.	2024.09.26	12:21:07.1	47.5539	16.3319	0.0	-	EX	Austria
1321.	2024.09.27	06:54:09.2	48.0453	20.7017	0.0	1.3	GT	Miskolc-Mexikóvölgy
1322.	2024.09.27	08:39:03.5	48.6623	18.6480	0.0	2.0	EX	Slovakia
1323.	2024.09.27	10:43:15.2	47.7554	20.1970	0.0	-	EX	Tófalu
1324.	2024.09.28	02:07:17.4	47.6748	20.2921	7.0	1.6	EQ	Erdőtelek
1325.	2024.09.28	05:17:57.4	47.7382	16.2083	8.4	0.7	EQ	Austria
1326.	2024.09.30	08:06:37.8	46.0271	22.7799	0.0	1.8	EX	Romania
1327.	2024.09.30	09:04:56.8	48.7053	21.2275	0.0	1.7	EX	Slovakia
1328.	2024.09.30	10:38:26.3	46.2998	21.8095	35.0	2.3	EQ	Romania
1329.	2024.09.30	12:22:39.4	48.2470	21.2460	0.0	-	GT	Tállya
1330.	2024.09.30	14:18:31.0	47.3566	16.4112	0.0	-	EX	Austria
1331.	2024.10.01	07:31:01.7	47.8809	20.3494	0.0	-	EX	Egerszalók
1332.	2024.10.01	08:29:21.2	48.4534	17.2220	0.0	2.1	EX	Slovakia
1333.	2024.10.01	08:43:30.4	48.9375	21.0204	0.0	1.9	EX	Slovakia
1334.	2024.10.01	09:45:04.8	48.1433	19.2382	0.0	-	EX	Slovakia
1335.	2024.10.01	11:35:16.4	48.4271	20.5358	0.0	1.2	EX	Imola
1336.	2024.10.02	07:55:33.9	47.8059	19.8596	0.0	-	EX	Gyöngyöstarján
1337.	2024.10.02	09:14:58.4	46.8902	17.3220	0.0	2.2	GT	Uzsa
1338.	2024.10.03	06:13:06.5	48.1779	21.2970	0.0	1.6	EX	Mád
1339.	2024.10.03	09:29:10.2	47.3225	18.3782	0.0	-	EX	Zámoly
1340.	2024.10.03	09:29:31.5	47.3674	18.3880	0.0	-	EX	Gánt
1341.	2024.10.04	08:11:25.0	48.4499	21.5111	0.0	-	EX	Kovácsvágás
1342.	2024.10.04	08:20:29.1	46.1475	18.3012	0.0	-	EX	Hosszúhetény
1343.	2024.10.04	08:44:24.6	48.3989	19.4684	0.0	-	EX	Slovakia
1344.	2024.10.04	10:09:02.9	47.9378	20.1512	0.0	-	EX	Szajla
1345.	2024.10.04	11:40:44.1	48.6613	20.9540	0.0	1.3	EX	Slovakia
1346.	2024.10.06	01:10:14.3	46.1742	16.4077	9.0	1.4	EQ	Croatia
1347.	2024.10.07	07:53:12.1	48.5893	21.2640	0.0	1.4	EX	Slovakia
1348.	2024.10.07	07:56:06.0	47.8689	16.0623	0.0	-	EX	Austria
1349.	2024.10.07	11:04:45.6	48.6702	20.7814	0.0	1.5	EX	Slovakia
1350.	2024.10.07	11:30:52.3	48.6349	20.8123	0.0	1.4	EX	Slovakia
1351.	2024.10.08	06:56:04.3	48.0453	20.7017	0.0	1.3	GT	Miskolc-Mexikóvölgy
1352.	2024.10.08	07:44:49.0	48.6210	20.7672	0.0	1.3	EX	Slovakia
1353.	2024.10.08	07:54:31.2	48.1208	19.4336	0.0	-	EX	Slovakia
1354.	2024.10.08	08:26:02.1	47.2095	18.2303	0.0	-	EX	Csór
1355.	2024.10.08	09:19:26.0	48.5091	21.4798	0.0	-	EX	Füzérkajata

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
1356.	2024.10.08	09:29:38.2	48.7684	20.0581	0.0	1.4	EX	Slovakia
1357.	2024.10.08	10:12:11.8	48.5920	19.1793	0.0	1.8	EX	Slovakia
1358.	2024.10.10	08:23:39.8	47.8948	19.8141	0.0	1.5	EX	Mátraszentimre
1359.	2024.10.10	08:43:30.1	46.7769	17.3963	0.0	-	EX	Balatonederics
1360.	2024.10.10	10:01:18.0	47.8594	16.0592	0.0	-	EX	Austria
1361.	2024.10.10	10:37:38.8	48.2515	20.0026	0.0	1.5	EX	Slovakia
1362.	2024.10.10	13:55:30.6	45.8679	20.8263	10.0	2.3	EQ	Romania
1363.	2024.10.10	18:26:44.9	48.6530	20.2268	0.0	1.4	EX	Slovakia
1364.	2024.10.11	07:36:40.2	48.6155	21.2169	0.0	-	EX	Slovakia
1365.	2024.10.11	08:23:58.5	48.6176	20.2605	0.0	1.2	EX	Slovakia
1366.	2024.10.11	08:35:02.3	48.9571	19.4550	0.0	-	EX	Slovakia
1367.	2024.10.11	09:07:08.5	48.2912	19.9500	0.0	2.2	EX	Slovakia
1368.	2024.10.11	10:10:40.1	48.8068	21.4896	0.0	2.0	EX	Slovakia
1369.	2024.10.11	11:43:55.5	47.6057	16.3700	0.0	-	EX	Austria
1370.	2024.10.12	08:24:14.0	46.1198	18.3103	0.0	-	EX	Bogád
1371.	2024.10.13	02:02:27.8	47.3769	18.1911	9.0	-	EQ	Mór
1372.	2024.10.13	17:40:28.6	47.5935	20.2515	12.0	-	EQ	Heves
1373.	2024.10.14	11:03:48.0	47.5600	18.4573	0.0	-	GT	Tatabánya
1374.	2024.10.14	12:04:57.5	48.6684	21.4440	0.0	1.8	EX	Slovakia
1375.	2024.10.15	08:24:34.8	48.4473	21.7623	0.0	1.7	EX	Slovakia
1376.	2024.10.15	08:54:59.6	48.3116	19.8641	0.0	-	EX	Slovakia
1377.	2024.10.15	11:27:30.6	48.0453	20.7017	0.0	1.1	GT	Miskolc-Mexikóvölgy
1378.	2024.10.15	14:13:22.8	47.3383	16.3787	0.0	1.5	EX	Austria
1379.	2024.10.16	01:22:01.5	46.1993	16.6229	11.0	1.8	EQ	Croatia
1380.	2024.10.16	06:19:06.8	48.1030	19.0752	0.0	-	EX	Slovakia
1381.	2024.10.16	07:26:59.1	47.8987	20.0893	0.0	1.6	GT	Recsk
1382.	2024.10.16	08:21:45.9	46.8548	17.2699	0.0	-	GT	Várköly
1383.	2024.10.16	09:32:44.3	46.0442	22.8948	0.0	1.6	EX	Romania
1384.	2024.10.16	10:49:38.7	47.9490	19.2256	0.0	-	EX	Szátok
1385.	2024.10.17	08:29:28.8	48.0453	20.7017	0.0	-	GT	Miskolc-Mexikóvölgy
1386.	2024.10.17	08:48:33.8	48.4196	21.4869	0.0	-	EX	Nagyhuta
1387.	2024.10.17	08:58:49.3	48.1126	21.1701	0.0	-	EX	Taktaszada
1388.	2024.10.18	06:54:13.8	48.5744	20.6911	0.0	1.0	EX	Slovakia
1389.	2024.10.18	11:03:16.1	46.1307	18.0591	0.0	1.5	EX	Hetvehely
1390.	2024.10.18	21:38:00.9	46.3941	18.4228	10.0	-	EQ	Závod
1391.	2024.10.20	00:34:19.2	46.0311	22.0013	21.9	1.6	EQ	Romania
1392.	2024.10.20	04:15:53.6	48.6916	19.3148	6.8	1.7	EQ	Slovakia
1393.	2024.10.20	05:44:16.6	45.8978	18.5347	10.0	1.6	EQ	Töttös
1394.	2024.10.20	13:21:37.1	46.0052	16.0112	5.0	2.4	EQ	Croatia
1395.	2024.10.20	15:24:45.7	45.8860	22.0714	35.0	-	EQ	Romania
1396.	2024.10.21	05:31:21.4	47.2843	18.2734	0.0	-	EX	Fehérvárcsurgó
1397.	2024.10.21	07:03:09.4	47.3607	18.2261	0.0	-	EX	Mór
1398.	2024.10.21	07:50:45.8	48.8949	19.7993	0.0	-	EX	Slovakia
1399.	2024.10.21	08:01:55.8	47.8892	16.1097	0.0	-	EX	Austria
1400.	2024.10.21	08:19:43.0	47.7182	19.3165	0.0	-	EX	Püspökszilágy
1401.	2024.10.21	09:50:23.5	48.7909	21.5017	0.0	2.1	EX	Slovakia
1402.	2024.10.21	10:11:58.4	47.3027	17.6305	0.0	-	EX	Homokbödöge
1403.	2024.10.21	10:29:17.6	47.2291	17.7233	0.0	1.2	EX	Bakonybél
1404.	2024.10.21	10:52:45.6	48.0466	20.0459	0.0	-	EX	Ivád
1405.	2024.10.22	08:58:25.8	46.1659	18.2831	0.0	-	EX	Komló
1406.	2024.10.22	09:46:04.5	48.6453	20.7485	0.0	1.6	EX	Slovakia

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
1407.	2024.10.22	09:54:00.6	47.3590	18.4042	0.0	-	EX	Gánt
1408.	2024.10.22	12:39:02.7	47.4040	16.2585	0.0	-	EX	Austria
1409.	2024.10.22	13:10:25.2	47.5600	18.4573	0.0	-	GT	Tatabánya
1410.	2024.10.23	06:47:53.0	46.0509	22.8374	0.0	1.8	EX	Romania
1411.	2024.10.23	09:46:32.1	46.0640	22.7701	0.0	-	EX	Romania
1412.	2024.10.23	10:00:26.3	48.0966	16.9760	0.0	-	EX	Austria
1413.	2024.10.23	13:30:17.1	47.5716	16.3553	0.0	-	EX	Austria
1414.	2024.10.24	06:48:17.8	48.7488	21.6367	0.0	-	EX	Slovakia
1415.	2024.10.24	07:24:29.0	48.4529	21.3938	0.0	-	EX	Telkibánya
1416.	2024.10.24	08:18:12.1	48.8338	21.0767	0.0	1.6	EX	Slovakia
1417.	2024.10.24	08:26:50.5	48.3845	17.3024	0.0	1.9	EX	Slovakia
1418.	2024.10.24	08:34:17.7	48.4904	20.7981	0.0	-	EX	Tornabarakony
1419.	2024.10.24	09:00:18.6	46.8902	17.3220	0.0	-	GT	Uzsa
1420.	2024.10.24	10:02:19.8	48.6069	20.9126	0.0	-	EX	Slovakia
1421.	2024.10.25	07:39:56.8	48.8203	20.0086	0.0	-	EX	Slovakia
1422.	2024.10.25	08:23:06.7	47.9541	20.3336	0.0	1.4	EX	Szarvaskő
1423.	2024.10.25	12:03:02.2	47.3537	18.3855	0.0	-	EX	Gánt
1424.	2024.10.26	07:25:16.2	45.7190	21.8146	5.0	2.5	EQ	Romania
1425.	2024.10.26	09:06:57.6	46.1429	18.2999	0.0	-	EX	Hosszúhetény
1426.	2024.10.26	10:47:26.5	46.1909	16.0199	0.0	1.7	EX	Croatia
1427.	2024.10.28	08:55:40.7	48.0403	16.1994	0.0	-	EX	Austria
1428.	2024.10.28	10:17:01.4	48.5429	20.9025	0.0	-	EX	Slovakia
1429.	2024.10.28	10:27:26.5	48.6277	20.8812	0.0	2.1	EX	Slovakia
1430.	2024.10.29	11:18:51.7	48.7894	21.1509	0.0	-	EX	Slovakia
1431.	2024.10.29	11:35:45.1	47.8663	19.7643	0.0	1.5	EX	Szurdokpüspöki
1432.	2024.10.30	08:34:07.0	48.4924	20.8289	0.0	1.1	EX	Tornabarakony
1433.	2024.10.30	09:18:25.4	48.4095	17.3090	0.0	-	EX	Slovakia
1434.	2024.10.30	10:53:59.0	48.4726	20.8256	0.0	-	EX	Rakacaszend
1435.	2024.10.30	11:34:02.9	46.3710	22.8687	0.0	-	EX	Romania
1436.	2024.10.30	15:31:33.3	48.2470	21.2460	0.0	2.0	GT	Tállya
1437.	2024.10.31	09:41:28.3	47.8128	16.0146	0.0	-	EX	Austria
1438.	2024.10.31	10:56:53.9	47.7478	19.0349	0.0	1.9	EX	Tahitótfalu
1439.	2024.10.31	11:12:29.4	47.9508	20.1134	0.0	-	EX	Recsk
1440.	2024.10.31	12:00:11.9	48.1208	16.9804	0.0	-	EX	Austria
1441.	2024.11.02	05:11:34.1	47.8018	16.1453	9.0	-	EQ	Austria
1442.	2024.11.03	01:04:01.5	45.5060	16.0790	4.5	1.7	EQ	Croatia
1443.	2024.11.03	07:06:09.9	46.1413	16.1667	9.0	1.3	EQ	Croatia
1444.	2024.11.04	07:49:48.6	46.0314	22.8059	0.0	1.7	EX	Romania
1445.	2024.11.04	08:42:51.7	48.2186	19.1873	0.0	-	EX	Slovakia
1446.	2024.11.04	10:41:24.7	48.5706	20.3540	0.0	-	EX	Slovakia
1447.	2024.11.04	15:23:13.6	48.5039	20.8206	0.0	-	EX	Tornabarakony
1448.	2024.11.05	08:30:08.8	48.4324	19.4820	0.0	-	EX	Slovakia
1449.	2024.11.05	09:29:40.6	48.0439	19.6681	0.0	1.7	EX	Lucfalva
1450.	2024.11.05	10:10:16.5	48.9051	21.5091	0.0	2.1	EX	Slovakia
1451.	2024.11.05	10:56:20.9	48.4805	19.1800	0.0	1.7	EX	Slovakia
1452.	2024.11.05	11:06:00.9	48.3572	19.8228	0.0	-	EX	Slovakia
1453.	2024.11.05	17:28:16.4	47.9813	20.2877	10.0	-	EQ	Bátor
1454.	2024.11.06	04:32:37.8	47.4398	18.3899	10.0	-	EQ	Várgesztes
1455.	2024.11.06	06:55:17.2	48.4132	19.4715	0.0	-	EX	Slovakia
1456.	2024.11.06	07:15:04.7	46.1237	16.1527	8.0	-	EQ	Croatia
1457.	2024.11.06	09:48:57.1	48.8517	21.0465	0.0	1.7	EX	Slovakia



	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
1458.	2024.11.06	10:10:25.5	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
1459.	2024.11.06	10:50:42.6	48.0900	19.4681	0.0	-	EX	Hugyag
1460.	2024.11.06	16:06:03.4	46.2035	16.4849	11.0	-	EQ	Croatia
1461.	2024.11.07	08:18:51.8	48.2335	19.4344	0.0	-	EX	Slovakia
1462.	2024.11.07	09:41:02.5	47.5299	18.6957	0.0	-	EX	Zsámbék
1463.	2024.11.07	10:14:53.3	48.4488	21.4469	0.0	-	EX	Kishuta
1464.	2024.11.07	10:37:49.6	47.9603	16.1551	0.0	-	EX	Austria
1465.	2024.11.07	12:21:05.2	48.5582	20.8714	0.0	-	EX	Slovakia
1466.	2024.11.08	03:11:47.8	47.6857	16.0049	7.0	-	EQ	Austria
1467.	2024.11.08	06:45:03.6	47.9874	20.4017	0.0	1.0	EX	Felsőtárkány
1468.	2024.11.08	07:39:01.5	46.0956	22.8205	0.0	-	EX	Romania
1469.	2024.11.08	09:43:20.4	48.5803	20.7043	0.0	1.5	EX	Slovakia
1470.	2024.11.08	10:13:18.2	48.9425	19.6288	0.0	-	EX	Slovakia
1471.	2024.11.08	11:05:09.7	47.9074	20.1607	0.0	1.5	EX	Sirok
1472.	2024.11.08	11:44:36.5	47.0088	17.8643	0.0	-	EX	Hidegkút
1473.	2024.11.09	03:19:25.3	47.8423	16.1775	5.0	1.6	EQ	Austria
1474.	2024.11.09	03:25:11.8	47.8220	16.1761	5.0	0.9	EQ	Austria
1475.	2024.11.09	07:06:18.9	45.5248	16.2503	5.0	1.8	EQ	Croatia
1476.	2024.11.10	14:34:42.6	48.9267	22.5292	35.0	1.7	EQ	Ukraine
1477.	2024.11.11	03:33:37.8	48.3865	22.1822	14.5	1.5	EQ	Győröcske
1478.	2024.11.11	09:15:48.3	47.8987	20.0893	0.0	1.7	GT	Recsk
1479.	2024.11.11	10:05:11.8	48.5989	20.1587	0.0	1.2	EX	Slovakia
1480.	2024.11.11	10:21:36.5	48.9501	19.4318	0.0	-	EX	Slovakia
1481.	2024.11.12	00:47:47.9	45.7196	17.5295	24.6	1.8	EQ	Croatia
1482.	2024.11.12	09:19:24.9	48.3828	17.2983	0.0	1.8	EX	Slovakia
1483.	2024.11.12	09:46:25.4	48.2945	19.8868	0.0	2.1	EX	Slovakia
1484.	2024.11.12	10:06:31.2	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
1485.	2024.11.12	10:11:19.5	48.0506	21.3496	0.0	1.5	EX	Csobaj
1486.	2024.11.12	10:51:08.2	47.4151	18.2530	0.0	-	EX	Pusztavám
1487.	2024.11.12	11:37:17.1	48.2322	20.0013	0.0	1.2	EX	Slovakia
1488.	2024.11.12	14:35:18.9	47.5816	16.3673	0.0	1.6	EX	Austria
1489.	2024.11.13	07:17:39.7	46.8548	17.2699	0.0	-	GT	Várköly
1490.	2024.11.13	09:51:30.0	45.8703	20.6250	10.0	2.5	EQ	Romania
1491.	2024.11.13	10:02:09.3	48.6290	20.9225	0.0	1.7	EX	Slovakia
1492.	2024.11.13	10:39:50.3	46.8548	17.2699	0.0	-	GT	Várköly
1493.	2024.11.13	11:10:54.1	47.5600	18.4573	0.0	-	GT	Tatabánya
1494.	2024.11.14	01:39:46.9	48.0144	17.2552	11.2	-	EQ	Slovakia
1495.	2024.11.14	02:11:31.4	46.6088	21.5303	20.0	1.9	EQ	Romania
1496.	2024.11.14	09:07:17.8	48.6630	21.5111	0.0	1.9	EX	Slovakia
1497.	2024.11.14	09:17:46.2	47.8920	19.4049	0.0	2.2	GT	Bercel
1498.	2024.11.14	10:07:39.0	48.7558	21.0429	0.0	1.7	EX	Slovakia
1499.	2024.11.14	10:11:02.8	47.6729	18.5897	0.0	2.2	EX	Nagysáp
1500.	2024.11.14	10:45:45.4	47.8958	16.0935	0.0	-	EX	Austria
1501.	2024.11.14	11:07:02.7	48.5928	19.2104	0.0	2.2	EX	Slovakia
1502.	2024.11.14	12:17:49.8	48.5165	22.7472	0.0	-	EX	Ukraine
1503.	2024.11.14	22:39:17.4	45.9044	16.2800	0.1	2.3	EQ	Croatia
1504.	2024.11.15	08:52:06.1	48.6456	20.8142	0.0	1.4	EX	Slovakia
1505.	2024.11.15	09:48:36.9	47.0868	17.9947	0.0	-	EX	Litér
1506.	2024.11.16	09:36:40.5	46.2376	18.2329	0.0	-	EX	Mecsekpölöske
1507.	2024.11.16	22:13:12.2	45.9335	16.8666	0.6	2.1	EQ	Croatia
1508.	2024.11.18	08:52:20.2	46.0904	22.6772	0.0	-	EX	Romania

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
1509.	2024.11.18	11:20:02.3	48.7965	21.1751	0.0	1.9	EX	Slovakia
1510.	2024.11.19	07:38:27.4	47.9265	20.4135	0.0	1.6	EX	Eger
1511.	2024.11.19	08:58:52.4	47.8768	16.0719	0.0	-	EX	Austria
1512.	2024.11.19	09:43:00.1	47.1789	18.2905	0.0	-	EX	Sárkeszi
1513.	2024.11.19	09:59:02.5	48.3357	19.8372	0.0	2.1	EX	Slovakia
1514.	2024.11.19	10:10:39.2	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
1515.	2024.11.19	12:23:35.2	47.5600	18.4573	0.0	-	GT	Tatabánya
1516.	2024.11.19	12:27:19.9	46.3918	22.8368	0.0	-	EX	Romania
1517.	2024.11.19	13:14:46.3	48.9309	20.7814	0.0	1.7	EX	Slovakia
1518.	2024.11.20	09:23:09.9	48.8300	20.9828	0.0	1.5	EX	Slovakia
1519.	2024.11.20	09:35:09.0	47.8905	16.0818	0.0	-	EX	Austria
1520.	2024.11.20	09:42:50.2	48.6484	20.8697	0.0	1.3	EX	Slovakia
1521.	2024.11.20	10:02:39.5	48.6525	21.3426	0.0	1.9	EX	Slovakia
1522.	2024.11.20	11:17:34.0	48.3286	19.9120	0.0	1.3	EX	Slovakia
1523.	2024.11.20	13:46:06.3	48.5470	20.8859	0.0	-	EX	Slovakia
1524.	2024.11.21	07:17:47.6	46.0629	22.8416	0.0	1.6	EX	Romania
1525.	2024.11.21	08:35:45.5	47.4012	18.3184	0.0	-	EX	Gánt
1526.	2024.11.21	09:02:47.2	45.9817	22.8114	0.0	1.7	EX	Romania
1527.	2024.11.21	09:57:46.9	48.2882	20.6995	0.0	-	EX	Múcsony
1528.	2024.11.21	10:09:22.6	48.5840	20.7852	0.0	1.5	EX	Slovakia
1529.	2024.11.22	06:59:05.7	47.6017	17.8182	15.9	-	EQ	Pér
1530.	2024.11.22	10:08:53.5	48.5857	20.7908	0.0	1.3	EX	Slovakia
1531.	2024.11.22	10:26:09.5	47.3050	18.2695	0.0	-	EX	Fehérvárcsurgó
1532.	2024.11.22	10:47:08.2	48.7875	21.5957	0.0	2.1	EX	Slovakia
1533.	2024.11.25	00:11:22.0	45.5235	16.0386	26.1	1.7	EQ	Croatia
1534.	2024.11.25	07:58:16.3	47.1401	17.2849	0.0	-	EX	Karakószörcsök
1535.	2024.11.25	08:23:51.0	47.9612	19.4836	0.0	1.8	EX	Herencsény
1536.	2024.11.25	09:23:07.4	47.9804	16.0895	0.0	-	EX	Austria
1537.	2024.11.25	10:22:23.2	48.6078	20.9361	0.0	2.1	EX	Slovakia
1538.	2024.11.25	10:31:36.4	48.6248	20.9417	0.0	1.3	EX	Slovakia
1539.	2024.11.25	10:47:53.4	47.3261	18.4321	0.0	-	EX	Zámoly
1540.	2024.11.25	12:47:49.0	47.9939	20.2296	0.0	1.4	EX	Hevesaranyos
1541.	2024.11.25	18:13:14.6	47.9446	19.5647	10.0	-	EQ	Cserhátszentiván
1542.	2024.11.25	20:20:51.3	47.8261	16.2290	7.8	2.1	EQ	Austria
1543.	2024.11.26	08:38:00.8	48.5671	20.2764	0.0	1.2	EX	Slovakia
1544.	2024.11.26	08:57:05.7	47.6173	18.6424	0.0	-	EX	Szomor
1545.	2024.11.26	09:41:01.6	48.4635	21.4426	0.0	-	EX	Bózsza
1546.	2024.11.26	10:29:41.7	48.3860	17.1780	0.0	-	EX	Slovakia
1547.	2024.11.26	11:00:41.0	47.5513	18.5710	0.0	-	EX	Csabdi
1548.	2024.11.26	12:33:06.1	47.8850	16.0682	0.0	-	EX	Austria
1549.	2024.11.26	12:36:47.7	47.9054	16.0999	0.0	-	EX	Austria
1550.	2024.11.26	14:23:48.8	47.1807	19.1778	0.0	2.1	EX	Bugyi
1551.	2024.11.26	14:43:28.7	47.1240	19.2420	0.0	2.5	EX	Kunpeszér
1552.	2024.11.27	10:12:20.2	48.7414	22.1651	0.0	1.9	EX	Slovakia
1553.	2024.11.27	10:30:06.7	46.8548	17.2699	0.0	-	GT	Várvölgy
1554.	2024.11.28	09:52:55.8	48.6528	21.4347	0.0	-	EX	Slovakia
1555.	2024.11.28	10:10:33.3	48.6646	20.7800	0.0	1.2	EX	Slovakia
1556.	2024.11.28	11:58:59.9	48.2470	21.2460	0.0	1.8	GT	Tállya
1557.	2024.11.28	13:47:33.9	48.7065	21.1654	0.0	-	EX	Slovakia
1558.	2024.11.29	07:48:34.4	47.2581	18.2923	0.0	-	EX	Kincsesbánya
1559.	2024.11.29	09:17:12.6	48.9469	19.5091	0.0	-	EX	Slovakia

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
1560.	2024.11.29	09:37:37.0	48.2689	21.4898	0.0	-	EX	Sárazsadány
1561.	2024.11.29	10:33:30.8	48.6172	20.7463	0.0	1.4	EX	Slovakia
1562.	2024.11.29	10:56:55.1	45.5412	17.8379	15.0	-	EQ	Croatia
1563.	2024.11.29	21:02:55.9	47.2360	18.2345	0.4	1.4	EQ	Bakonykúti
1564.	2024.11.30	06:42:11.2	45.9309	16.0038	0.2	1.9	EQ	Croatia
1565.	2024.11.30	09:54:11.9	46.1544	18.2957	0.0	-	EX	Mánfa
1566.	2024.11.30	14:02:49.5	45.5300	16.3045	5.0	1.9	EQ	Croatia
1567.	2024.12.01	01:37:39.0	47.6154	17.7923	9.0	1.7	EQ	Pér
1568.	2024.12.01	23:11:23.1	47.7825	16.0619	6.5	1.6	EQ	Austria
1569.	2024.12.02	08:27:03.1	48.0024	20.3316	0.0	1.5	EX	Szarvaskő
1570.	2024.12.02	08:55:18.5	45.9118	18.3774	0.0	-	EX	Palkonya
1571.	2024.12.02	10:12:44.1	48.5929	19.4182	0.0	1.8	EX	Slovakia
1572.	2024.12.02	10:25:36.2	47.9420	16.0507	0.0	-	EX	Austria
1573.	2024.12.02	11:22:30.4	47.3271	17.6561	0.0	-	EX	Bakonykoppány
1574.	2024.12.03	08:39:58.6	47.3267	18.2994	0.0	-	EX	Söréd
1575.	2024.12.03	09:34:04.1	47.8004	19.4206	0.0	1.9	EX	Acsa
1576.	2024.12.03	09:47:15.0	48.5191	20.7796	0.0	1.4	EX	Tornaszentandrás
1577.	2024.12.03	10:43:42.0	48.0535	19.5129	0.0	1.6	EX	Rimóc
1578.	2024.12.03	10:48:35.4	46.3340	22.8456	0.0	1.5	EX	Romania
1579.	2024.12.03	11:22:52.4	47.3475	18.4156	0.0	-	EX	Zámoly
1580.	2024.12.03	12:34:36.3	48.6592	21.1471	0.0	1.4	EX	Slovakia
1581.	2024.12.04	08:33:54.2	48.6120	21.3475	0.0	1.5	EX	Slovakia
1582.	2024.12.04	08:35:37.8	47.2809	17.7389	0.0	-	EX	Bakonybél
1583.	2024.12.04	08:42:15.1	45.9469	21.9884	35.0	2.0	EQ	Romania
1584.	2024.12.04	09:21:51.7	48.6128	20.7970	0.0	1.5	EX	Slovakia
1585.	2024.12.04	12:24:58.4	47.5672	18.3069	0.0	-	EX	Környe
1586.	2024.12.04	23:07:18.7	45.9347	21.9340	35.0	-	EQ	Romania
1587.	2024.12.05	08:30:29.2	48.3891	21.3368	0.0	1.5	EX	Regéc
1588.	2024.12.05	08:39:12.1	48.5724	20.6567	0.0	0.9	EX	Slovakia
1589.	2024.12.05	09:20:52.3	47.4182	18.3405	0.0	-	EX	Gánt
1590.	2024.12.05	10:00:22.7	47.3289	18.2579	0.0	-	EX	Söréd
1591.	2024.12.05	10:11:42.2	48.9312	21.3236	0.0	-	EX	Slovakia
1592.	2024.12.05	10:17:31.9	47.3402	18.3674	0.0	-	EX	Csákberény
1593.	2024.12.05	20:17:05.5	47.9520	19.5381	6.4	2.0	EQ	Kutasó
1594.	2024.12.05	20:29:02.3	47.9183	19.5129	10.0	-	EQ	Bokor
1595.	2024.12.05	23:17:23.4	45.9646	21.9505	35.0	1.6	EQ	Romania
1596.	2024.12.06	00:21:08.7	45.9517	21.9954	35.0	-	EQ	Romania
1597.	2024.12.06	08:05:45.9	48.4083	21.3412	0.0	-	EX	Regéc
1598.	2024.12.06	08:27:57.6	48.1646	21.2725	0.0	1.5	EX	Mezőzombor
1599.	2024.12.06	10:07:09.2	48.8001	21.1723	0.0	1.7	EX	Slovakia
1600.	2024.12.06	10:24:55.4	48.8454	21.0505	0.0	1.8	EX	Slovakia
1601.	2024.12.06	11:52:45.9	47.3364	18.3487	0.0	-	EX	Csákberény
1602.	2024.12.06	21:46:33.6	47.7816	16.0811	5.4	1.7	EQ	Austria
1603.	2024.12.07	00:23:10.8	47.4147	18.2293	9.0	1.8	EQ	Pusztavám
1604.	2024.12.08	10:56:53.9	46.0034	22.0204	5.0	1.9	EQ	Romania
1605.	2024.12.09	08:03:22.0	47.3780	18.2500	0.0	-	EX	Mór
1606.	2024.12.09	10:05:37.2	48.3569	17.4006	0.0	1.9	EX	Slovakia
1607.	2024.12.09	10:24:25.2	48.4810	20.5415	0.0	0.8	EX	Jósvafő
1608.	2024.12.09	11:00:39.1	48.0938	16.9970	0.0	-	EX	Austria
1609.	2024.12.09	12:07:01.3	47.9934	20.0973	0.0	-	EX	Kisfüzes
1610.	2024.12.09	13:18:12.3	47.8734	16.0837	0.0	-	EX	Austria

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
1611.	2024.12.10	06:45:01.4	46.2054	16.6541	11.0	2.6	EQ	Croatia
1612.	2024.12.10	09:17:33.6	47.9854	20.2611	0.0	1.6	EX	Bátor
1613.	2024.12.11	08:08:19.4	46.0333	22.7762	0.0	1.7	EX	Romania
1614.	2024.12.11	08:10:46.0	46.0465	22.8010	0.0	1.9	EX	Romania
1615.	2024.12.11	08:35:00.4	48.6254	20.1946	0.0	-	EX	Slovakia
1616.	2024.12.11	08:53:58.6	48.5650	20.7553	0.0	1.4	EX	Slovakia
1617.	2024.12.11	09:24:02.0	47.9909	16.0745	0.0	-	EX	Austria
1618.	2024.12.11	10:14:52.0	48.5518	19.4790	0.0	2.1	EX	Slovakia
1619.	2024.12.11	10:18:34.0	46.8641	17.5740	0.0	-	EX	Mindszentkál
1620.	2024.12.11	10:39:29.4	48.3940	19.2763	0.0	1.9	EX	Slovakia
1621.	2024.12.11	12:33:26.1	46.3786	22.9110	0.0	1.6	EX	Romania
1622.	2024.12.11	13:09:43.9	47.9112	16.1023	0.0	-	EX	Austria
1623.	2024.12.11	14:59:15.2	48.9609	20.8570	0.0	-	EX	Slovakia
1624.	2024.12.12	07:45:51.2	47.9980	20.3521	0.0	1.4	EX	Szarvaskő
1625.	2024.12.12	08:06:56.6	45.9224	18.3849	0.0	-	EX	Újpetre
1626.	2024.12.12	08:13:58.6	47.9400	20.0736	0.0	1.5	EX	Mátraderecske
1627.	2024.12.12	09:10:47.3	46.2108	18.2610	0.0	-	EX	Komló
1628.	2024.12.12	09:23:14.6	48.5426	20.7711	0.0	1.4	EX	Komjáti
1629.	2024.12.12	10:07:17.2	48.8435	20.5263	0.0	2.3	EX	Slovakia
1630.	2024.12.12	11:06:04.3	48.7036	21.5195	0.0	1.9	EX	Slovakia
1631.	2024.12.12	12:51:23.9	48.5262	20.1798	0.0	1.1	EX	Slovakia
1632.	2024.12.12	12:54:32.6	48.5912	20.8411	0.0	-	EX	Slovakia
1633.	2024.12.12	13:06:56.6	48.4789	20.9656	0.0	-	EX	Krasznokvajda
1634.	2024.12.13	08:29:35.6	48.5884	20.7034	0.0	1.4	EX	Slovakia
1635.	2024.12.13	09:02:07.2	46.2045	18.0707	0.0	-	EX	Kishajmás
1636.	2024.12.13	09:54:07.1	48.8553	21.2778	0.0	1.7	EX	Slovakia
1637.	2024.12.13	10:33:23.7	46.9346	17.2995	0.0	-	EX	Sümeprága
1638.	2024.12.13	11:10:50.6	46.3291	22.8836	0.0	-	EX	Romania
1639.	2024.12.14	00:08:45.0	45.9298	21.9839	35.0	-	EQ	Romania
1640.	2024.12.14	08:43:50.7	45.9514	22.6449	0.0	1.8	EX	Romania
1641.	2024.12.15	21:41:39.7	47.9291	19.6737	10.0	-	EQ	Pásztó
1642.	2024.12.16	09:00:39.0	48.5377	20.6928	0.0	1.4	EX	Szögliget
1643.	2024.12.16	09:35:40.0	48.8757	20.4367	0.0	2.1	EX	Slovakia
1644.	2024.12.16	14:37:47.4	47.6170	16.3768	0.0	1.7	EX	Austria
1645.	2024.12.17	09:58:20.4	48.6202	20.8035	0.0	1.4	EX	Slovakia
1646.	2024.12.17	20:53:18.2	45.5847	21.9226	35.0	1.6	EQ	Romania
1647.	2024.12.18	08:32:09.5	48.4635	19.4800	0.0	-	EX	Slovakia
1648.	2024.12.18	08:48:16.2	47.9205	16.0457	0.0	-	EX	Austria
1649.	2024.12.18	08:55:28.6	48.6302	20.7046	0.0	1.4	EX	Slovakia
1650.	2024.12.19	04:31:48.9	45.5220	16.2347	5.0	1.9	EQ	Croatia
1651.	2024.12.19	09:57:37.2	48.7121	20.1633	0.0	1.5	EX	Slovakia
1652.	2024.12.19	10:52:25.1	46.1566	21.6312	0.0	1.9	EX	Romania
1653.	2024.12.20	09:02:44.8	46.0552	22.8582	0.0	1.9	EX	Romania
1654.	2024.12.20	09:12:22.9	46.0696	22.8843	0.0	1.7	EX	Romania
1655.	2024.12.20	09:23:24.9	45.7181	22.0475	0.0	1.4	EX	Romania
1656.	2024.12.23	05:51:05.3	46.7785	20.9604	9.0	-	EQ	Kamut
1657.	2024.12.25	17:35:37.1	45.6876	21.8344	8.3	-	EQ	Romania
1658.	2024.12.26	02:11:52.5	46.1763	16.6124	8.0	2.3	EQ	Croatia
1659.	2024.12.28	11:50:27.9	47.8364	16.1634	5.0	-	EQ	Austria
1660.	2024.12.28	14:36:46.5	47.8350	16.1914	9.0	-	EQ	Austria
1661.	2024.12.29	21:54:11.8	45.5091	18.2264	8.0	-	EQ	Croatia

CHAPTER 2. LOCAL EVENTS

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Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
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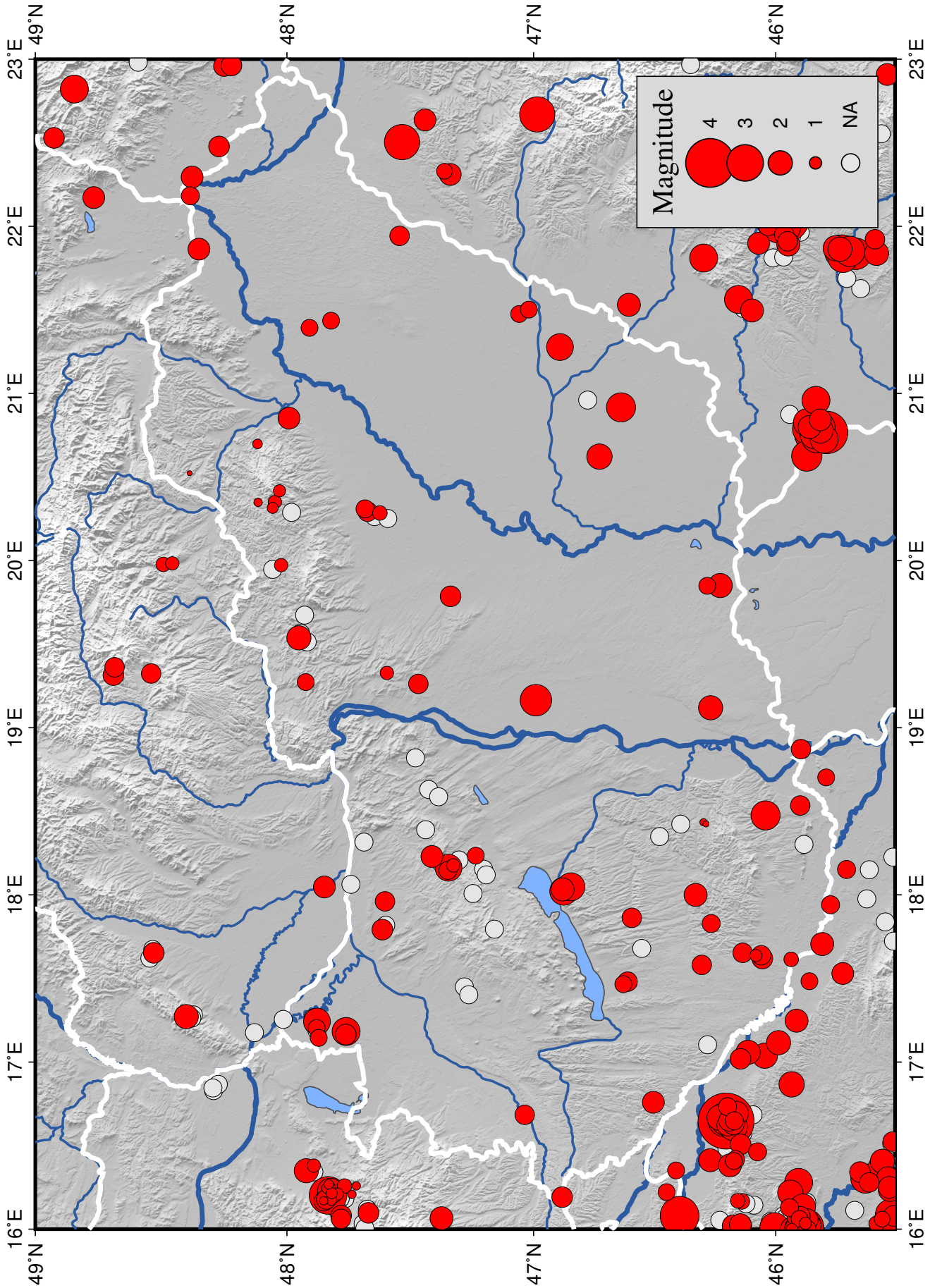


Figure 2.1: The epicenters of the located earthquakes in 2024. The earthquakes with unknown magnitudes are marked by gray circles.



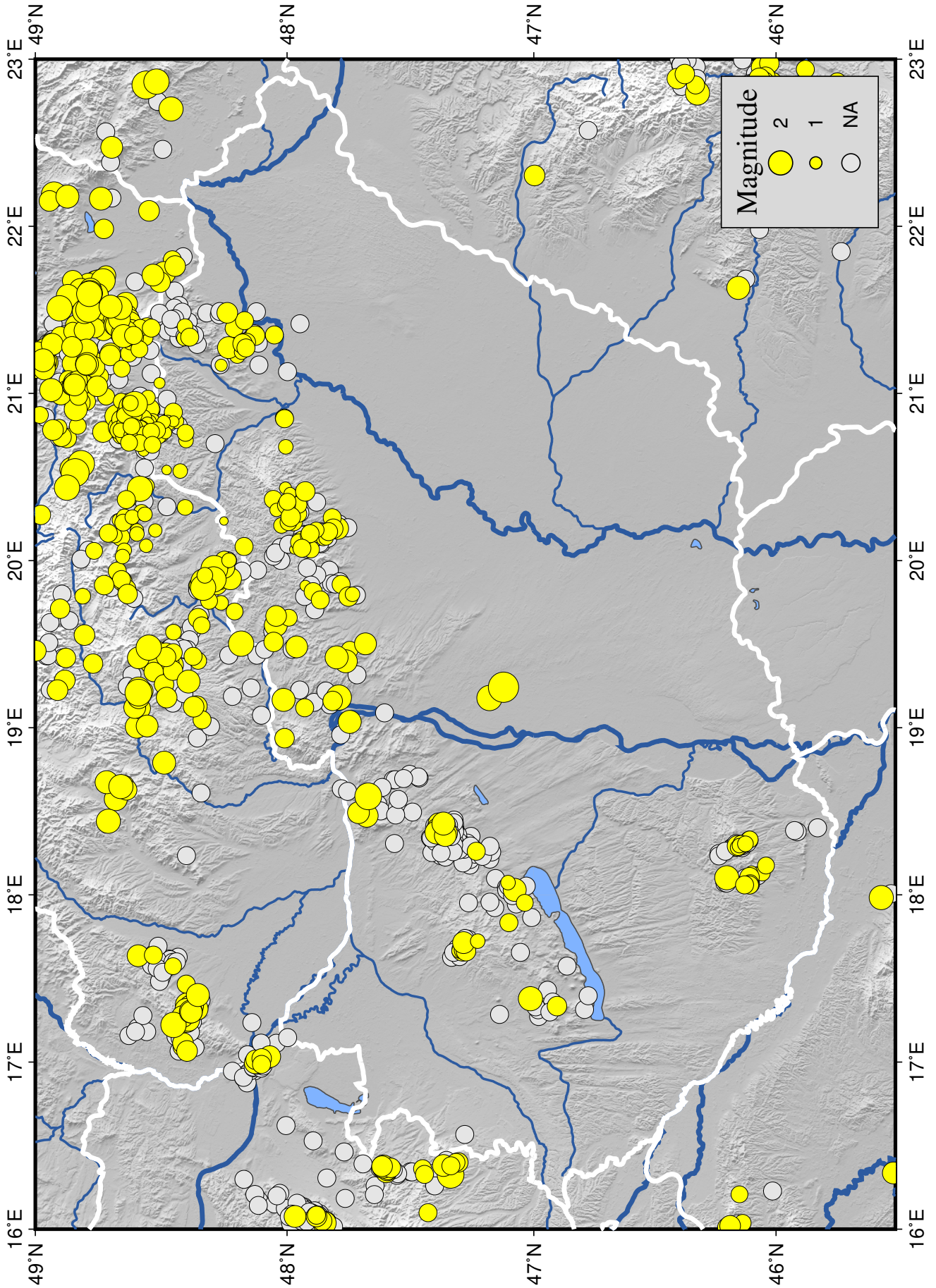


Figure 2.2: The epicenters of the located explosions in 2024. The explosions with unknown magnitudes are marked by gray circles.



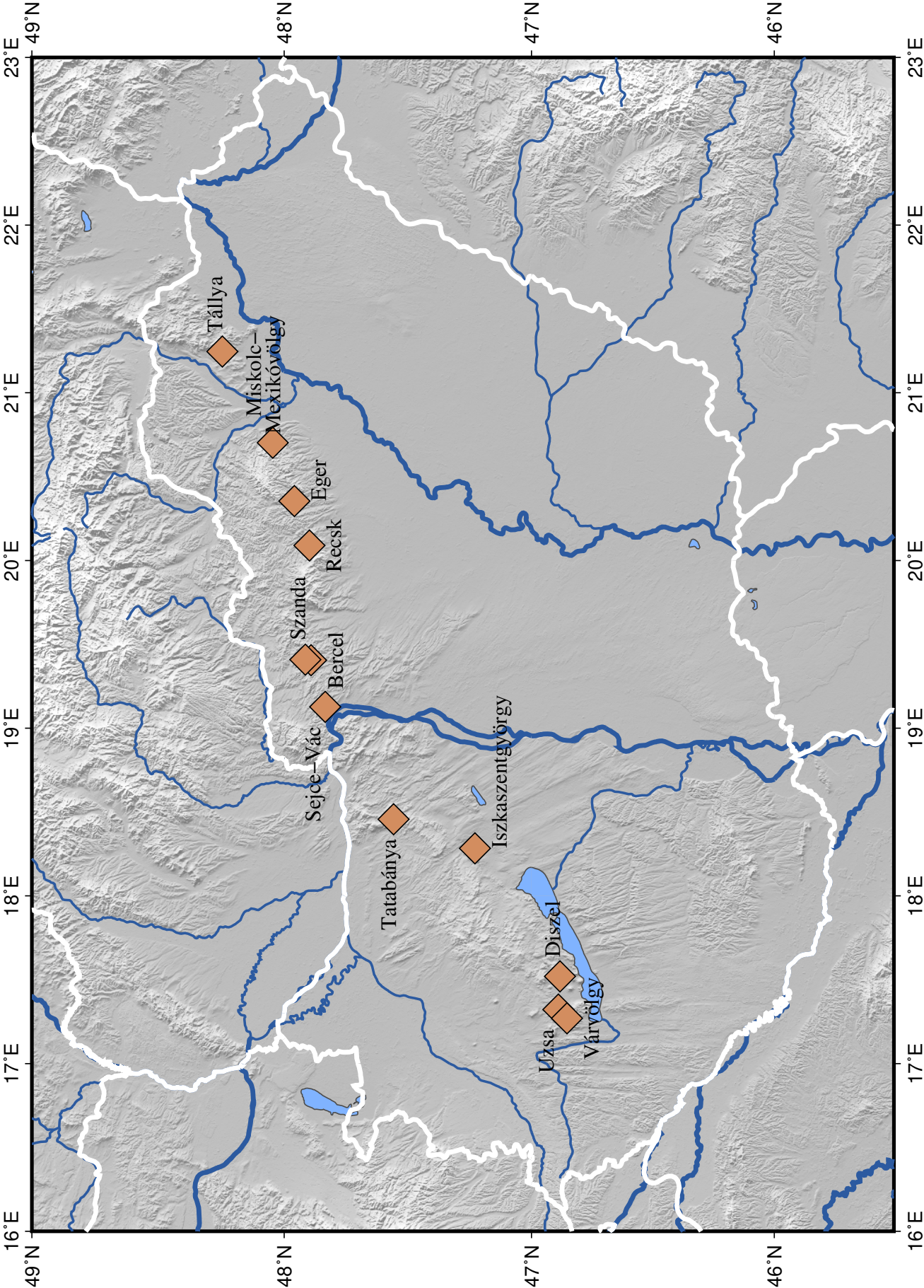


Figure 2.3: The location of the quarries with identified explosions (ground truth events).



### 3. Macroseismic data

During the year 2024, 7 earthquakes have been felt by the public in the territory of Hungary (Table 3.1). One of them occurred outside of the area of this bulletin (latitudes 45.5-49.0°N and longitudes 16.0-23.0°E), hence its hypocentral and phase data are not shown in Chapter 2 and Chapter 4. The hypocentral parameters of this events and the maximum intensity (reported from the territory of Hungary) are shown in Table 3.1.

Macroseismic questionnaires were collected via the online form on the website of the KRSO. In this Chapter the results of European Macroseismic Scale (Grünthal, 1998) based intensity estimations are presented.

In Tables 3.2-3.11 the name of settlements, their coordinates, the estimated EMS intensity values and the number of reports (N) can be seen. Figures 3.1-3.10 show the spatial distribution of the intensity values.

Date	Time	Lat. (°N)	Lon. (°N)	Depth (km)	Magn. (ML)	Max. intensity (EMS)
2024.01.28	10:31:17.1	46.8765	18.0218	10.3	2.3	II-III
2024.02.01	01:59:19.4	47.6679	15.8542	1.3	4.4	III
2024.03.14	03:06:48.4	43.1023	18.7469	10.0	5.9	II
2024.07.16	21:27:46.7	46.8472	18.0485	4.1	2.3	IV
2024.08.10	20:46:01.2	45.9716	22.0593	7.2	4.5	IV
2024.08.13	06:43:04.5	46.2062	16.6463	5.6	4.6	IV-V
2024.09.06	16:09:29.4	47.3471	18.1625	1.5	2.2	IV

Table 3.1: Parameters of the Hungarian earthquakes felt by the public

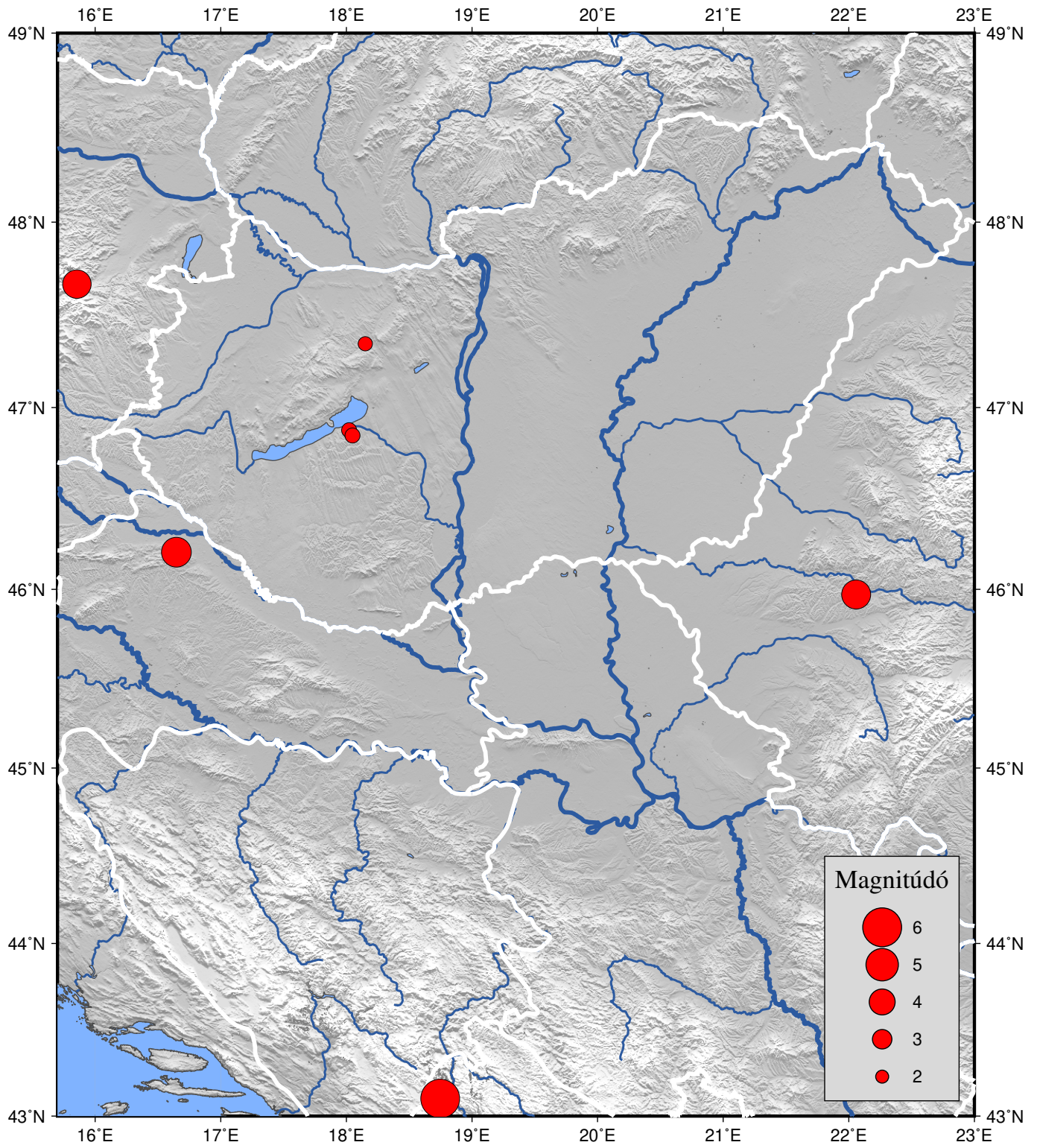


Figure 3.1: The epicenters of the earthquakes felt by the public in Hungary in 2024.

2024.01.28 10:31 – Zamárdi

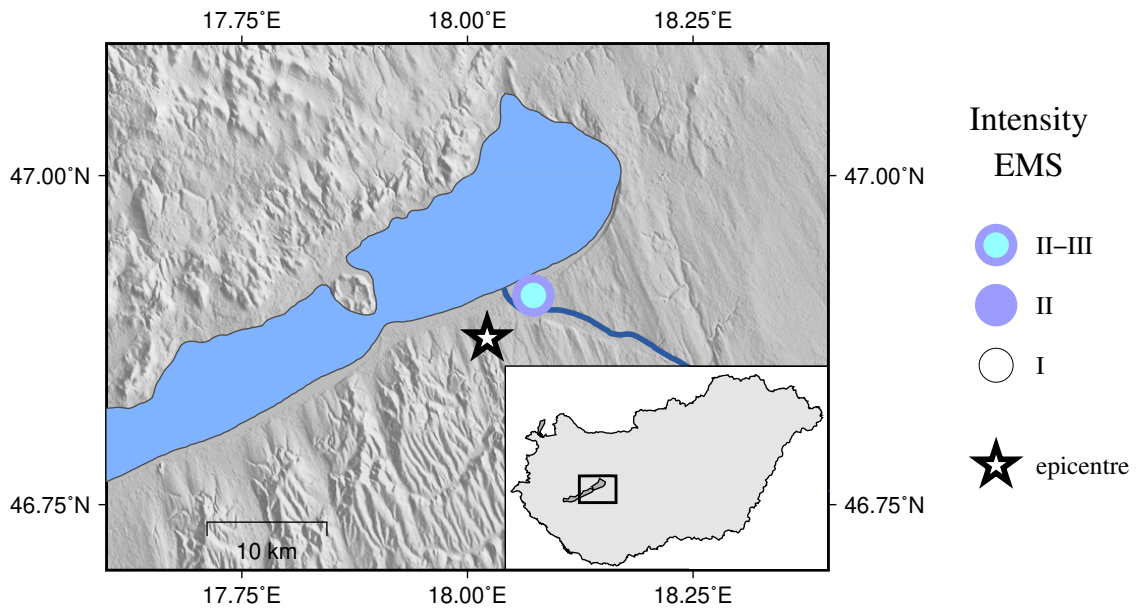


Figure 3.2:

EMS intensity distribution for the earthquake of 2024.01.28 10:31 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Siófok	46.909	18.073	II-III	1

Table 3.2:

Felt EMS intensities for the earthquake of 2024.01.28 10:31 UTC

## 2024.02.01 01:59 – Austria

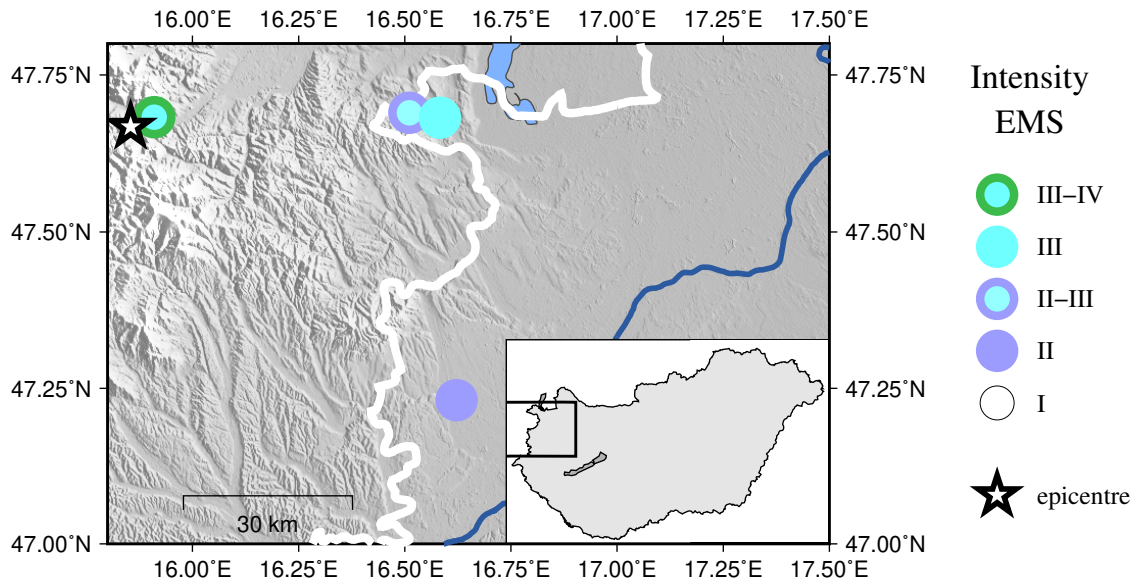


Figure 3.3:

EMS intensity distribution for the earthquake of 2024.02.01 01:59 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Ágfalva	47.690	16.511	II-III	1
Schlöglmühl A	47.683	15.910	III-IV	1
Sopron	47.682	16.583	III	4
Szombathely	47.231	16.622	II	1

Table 3.3:

Felt EMS intensities for the earthquake of 2024.02.01 01:59 UTC



2024.03.14 03:06 – Bosnia and Herzegovina

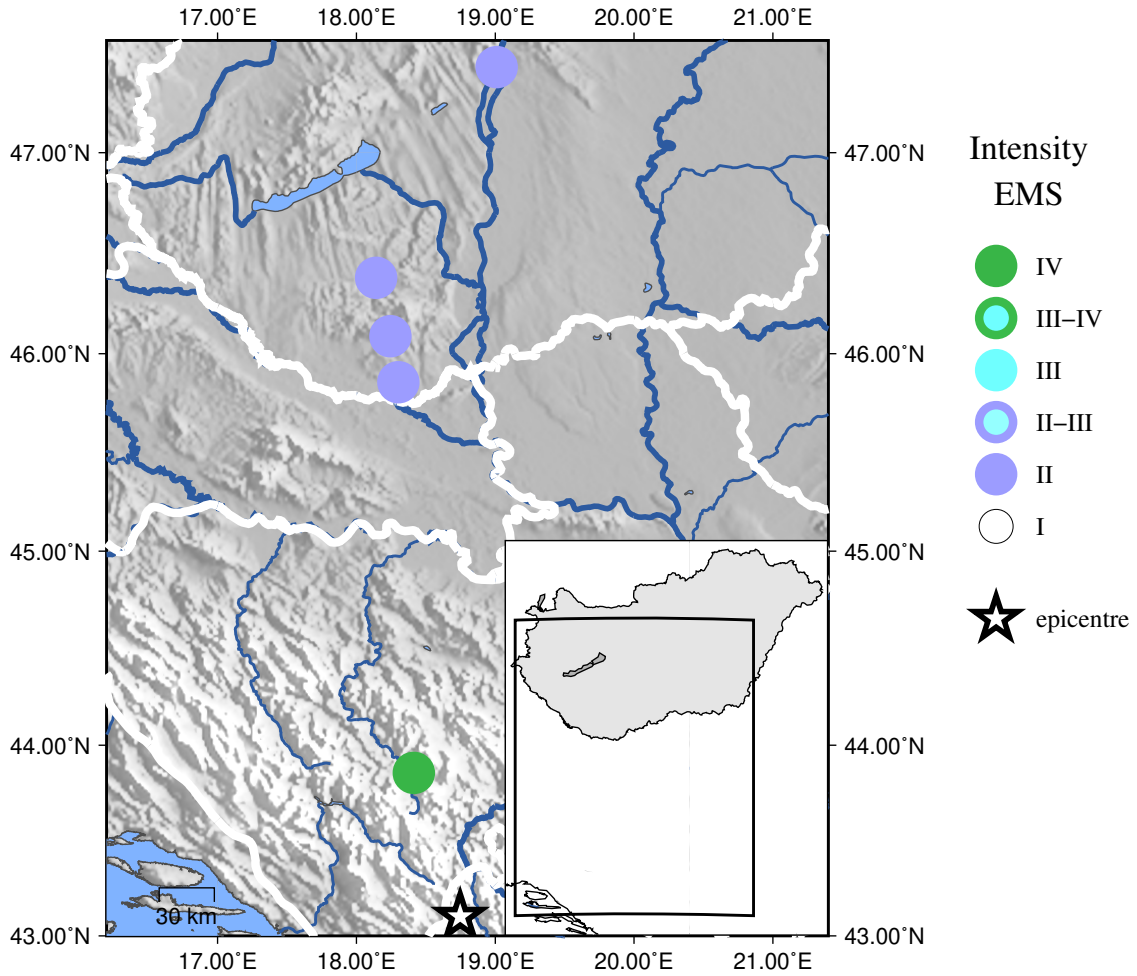


Figure 3.4:  
EMS intensity distribution for the earthquake of 2024.03.14 03:06 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Budapest XXII	47.420	19.010	II	1
Dombóvár	46.380	18.142	II	1
Pécs	46.088	18.245	II	1
Siklós	45.857	18.302	II	1
Szarajevó	43.856	18.413	IV	1

Table 3.4:  
Felt EMS intensities for the earthquake of 2024.03.14 03:06 UTC

2024.07.16 21:27 – Ságvár

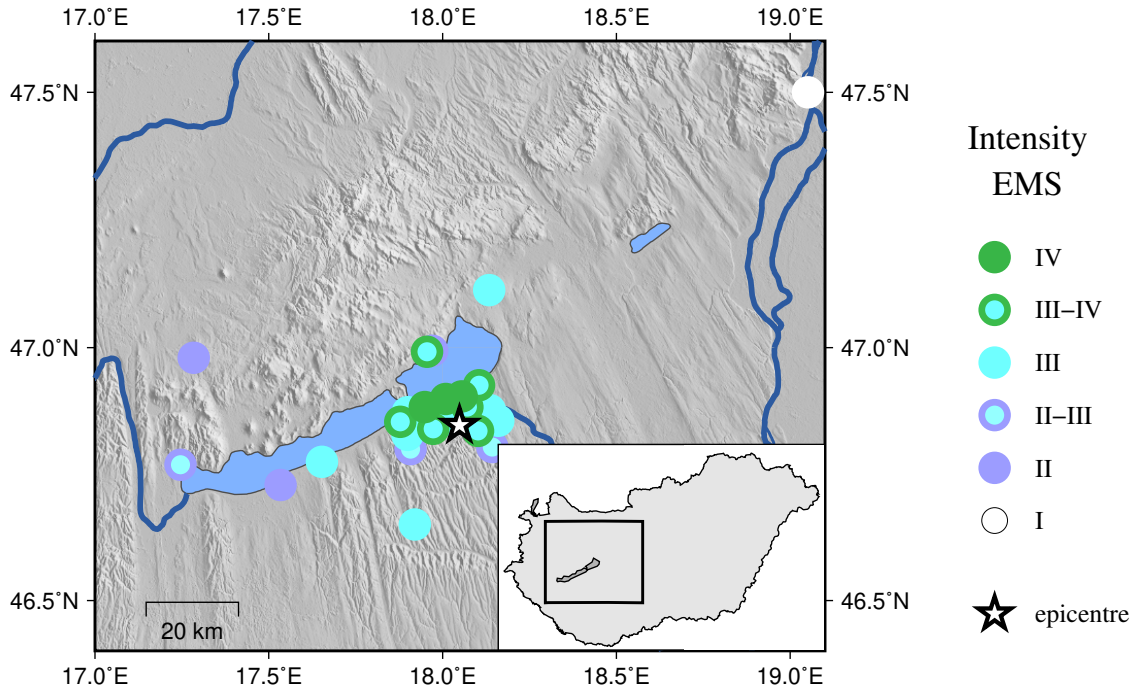


Figure 3.5:

EMS intensity distribution for the earthquake of 2024.07.16 21:27 UTC

Table 3.5: Felt EMS intensities for the earthquake of 2024.07.16 21:27 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Ádánd	46.856	18.160	III	1
Alsóbélatelep	46.729	17.534	II	1
Alsóörs	46.994	17.970	II	1
Andocs	46.651	17.920	III	1
Balatonboglár	46.775	17.653	III	1
Balatonendréd	46.840	17.973	III-IV	10
Balatonföldvár	46.854	17.878	III-IV	6
Balatonkiliti	46.883	18.071	III-IV	12
Balatszabadi	46.926	18.105	III-IV	2
Balatszépplak	46.899	18.009	IV	11
Berhida	47.113	18.134	III	1
Budapest	47.500	19.051	I	1
Kereki	46.800	17.908	II-III	1
Keszthely	46.769	17.246	II-III	1
Kőröshegy	46.828	17.899	III	3
Lovas	46.992	17.955	III-IV	1
Ságvár	46.836	18.102	III-IV	7
Siófok	46.904	18.055	IV	75
Siójut	46.877	18.136	III	1
Som	46.804	18.143	II-III	1
Sümege	46.980	17.284	II	1
Szántód	46.873	17.900	III	3
Töreki	46.859	18.020	III	1
Zamárdi	46.883	17.949	IV	23

2024.08.10 20:46 – Romania

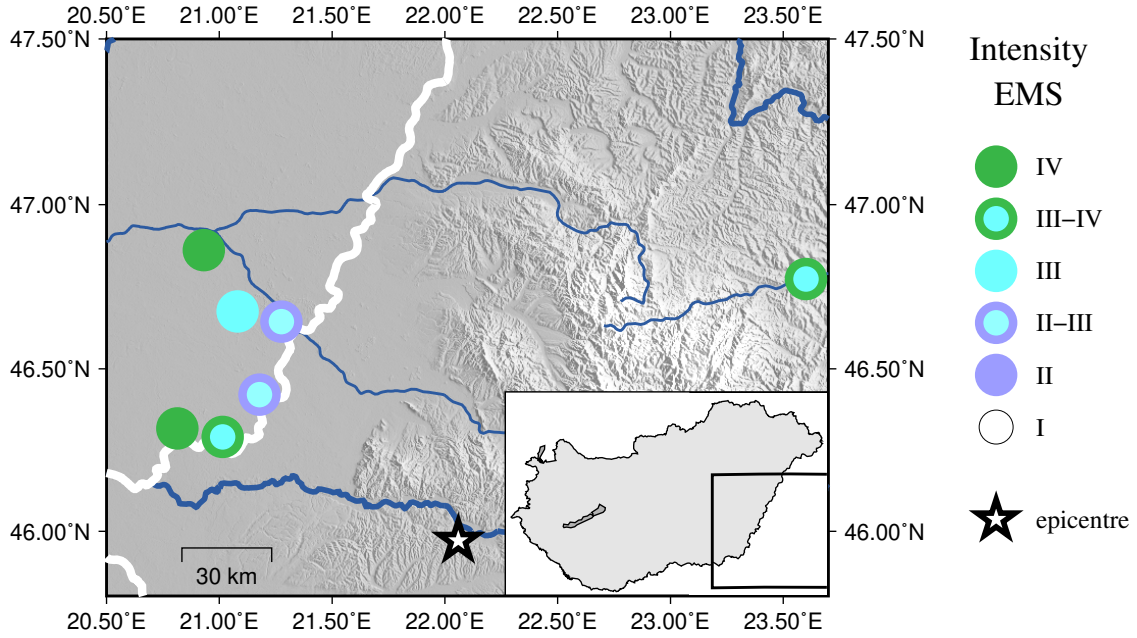


Figure 3.6:  
EMS intensity distribution for the earthquake of 2024.08.10 20:46 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Battonya	46.291	21.015	III-IV	1
Békéscsaba	46.675	21.081	III	9
Csárdaszállás	46.862	20.931	IV	1
Gyula	46.644	21.275	II-III	1
Hódmezővásárhely Kútvölgy	46.456	20.450	III-IV	1
Kevermes	46.421	21.178	II-III	1
Kolozsvár	46.774	23.601	III-IV	2
Mezőhegyes	46.317	20.814	IV	1

Table 3.6:  
Felt EMS intensities for the earthquake of 2024.08.10 20:46 UTC

2024.08.13 06:43 – Croatia

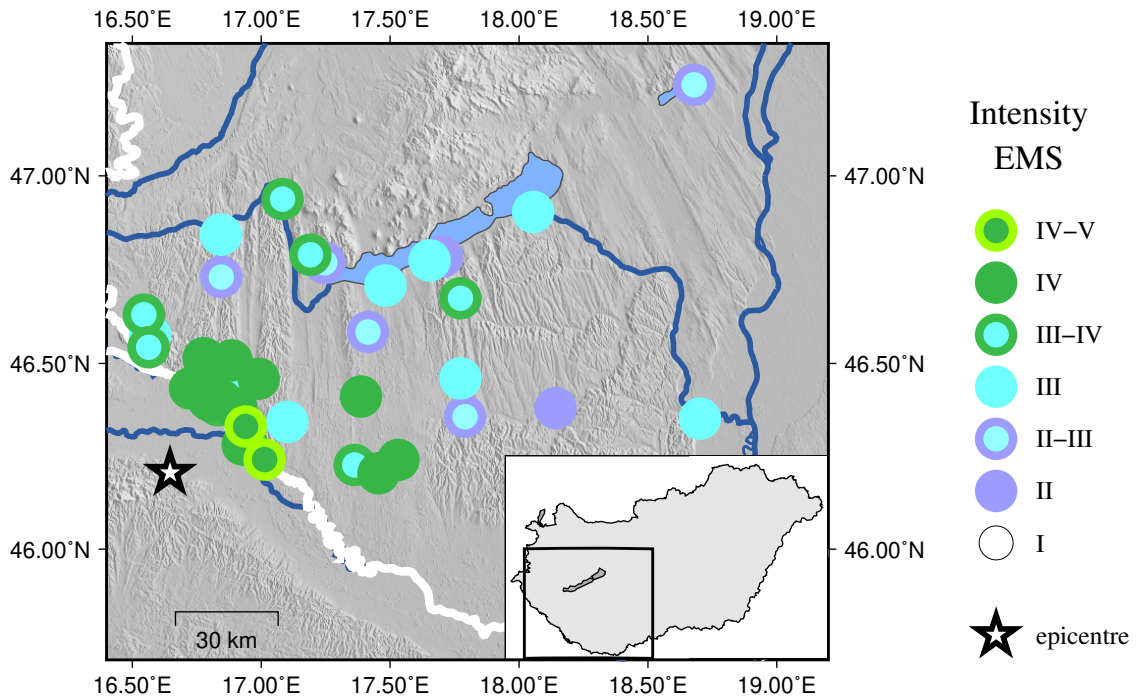


Figure 3.7:

EMS intensity distribution for the earthquake of 2024.08.13 06:43 UTC

Table 3.7: Felt EMS intensities for the earthquake of 2024.08.13 06:43 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Bak	46.731	16.845	II-III	1
Balatonboglár	46.775	17.653	III	1
Balatonfenyves	46.708	17.482	III	2
Balatonlelle	46.785	17.702	II	1
Becsehely	46.451	16.790	IV	3
Belezna	46.331	16.939	IV-V	1
Borsfa	46.514	16.777	IV	1
Böhönye	46.411	17.387	IV	1
Dombóvár	46.380	18.142	II	1
Fityeház	46.379	16.904	IV	1
Gyékényes	46.242	17.013	IV-V	1
Gyenesdiás	46.774	17.285	I-II	1
Hévíz	46.790	17.191	III-IV	1
Iharos	46.343	17.101	III	1
Kápolnásnyék	47.241	18.679	II-III	1
Kaposvár	46.357	17.791	II-III	15
Kerkateskánd	46.575	16.569	III	1
Keszthely	46.769	17.246	II-III	2
Komló	46.190	18.265	III	1
Lábod	46.205	17.455	IV	1
Lenti	46.630	16.545	III-IV	5
Letenye	46.433	16.724	IV	3
Lovászi	46.543	16.563	III-IV	2



---

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Magyaregres	46.460	17.773	III	1
Marcali	46.584	17.414	II-III	1
Mike	46.241	17.532	IV	1
Molnári	46.388	16.832	III-IV	1
Nagyatád	46.227	17.363	III-IV	4
Nagykanizsa	46.459	16.990	IV	32
Obornak	46.508	16.885	IV	1
Órtilos	46.282	16.928	IV	2
Pécs	46.088	18.245	III	18
Semjénháza	46.400	16.846	IV	1
Siófok	46.904	18.055	III	2
Somogybabod	46.674	17.773	III-IV	2
Szekszárd	46.352	18.702	III	4
Szepetnek	46.434	16.896	III-IV	1
Taszár	46.381	17.907	I-II	1
Tótszerdahely	46.401	16.798	IV	2
Zákány	46.281	16.946	IV	1
Zalaegerszeg	46.844	16.844	III	11
Zalaszentgrót	46.938	17.083	III-IV	1

2024.09.06 16:09 – Nagyveleg

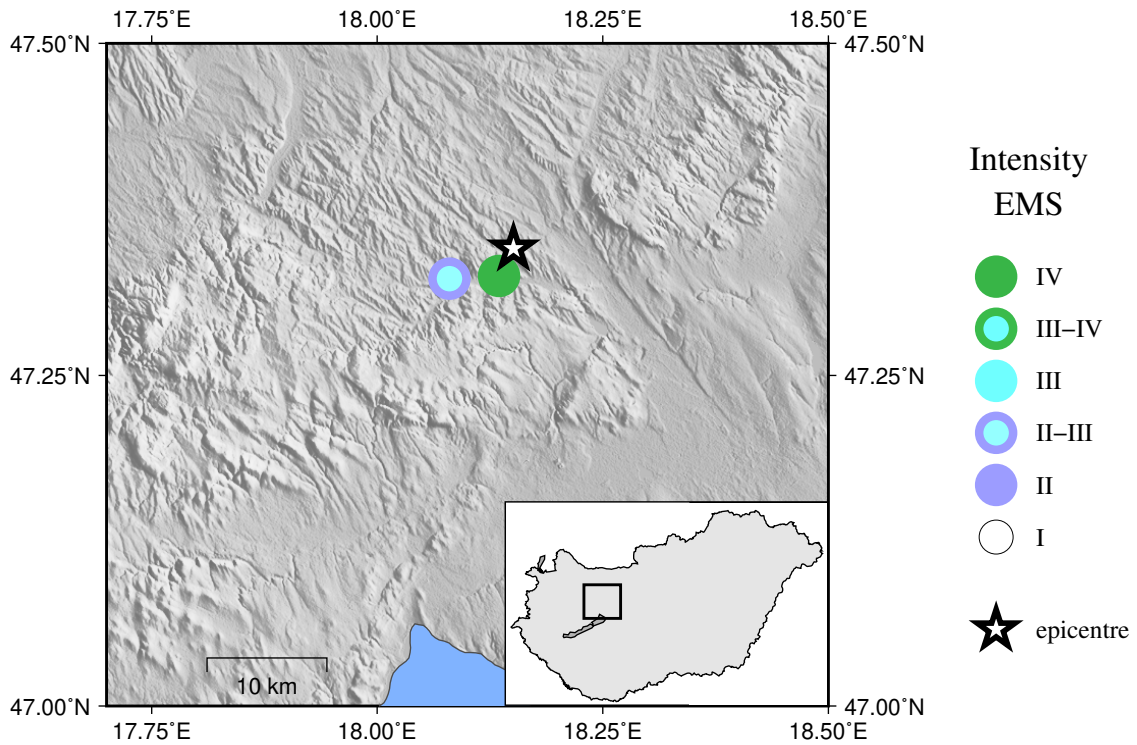


Figure 3.8:

EMS intensity distribution for the earthquake of 2024.09.06 16:09 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Bakonycsernye	47.323	18.080	II-III	3
Balinka-Mecsér	47.325	18.135	IV	3

Table 3.8:

Felt EMS intensities for the earthquake of 2024.09.06 16:09 UTC

## 4. Phase data

The phase data of the events occurred in the area confined by the latitudes 45.5-49.0°N and longitudes 16.0-23.0°E are presented in ISF2 format. Here we give the short summary of the blocks and fields appearing in the bulletin.

The IASPEI Seismic Bulletin Format (ISF) is the IASPEI approved standard format for the exchange of parametric seismological data (hypocentres, magnitudes, phase arrivals, moment tensors, etc.). It was adopted as standard in August 2001 by IASPEI's Commission on Seismic Observation and Interpretation at the Scientific Assembly in Hanoi, Vietnam. The format is an extension of the IMS1.0 format developed by the Center of Monitoring Research, Arlington, VA, USA in the 1990s to establish a data exchange protocol for the Comprehensive Test-Ban-Treaty Organization. The full documentation can be downloaded for both the ISF and IMS1.0 formats.

The need to add a number of data types to ISF1 has led to the development of ISF2. The format is an extension of ISF1 as all additional data are in extensions to the existing ISF1 format. The changes chiefly are improved data attribution through extended station details and channel information for phases and amplitude. Since 2013 the USGS NEIC bulletin is produced in ISF2 and the International Seismological Centre will adapt the ISF2 format in the near future. The full documentation can be downloaded for the ISF2 format at the ISC website.

The HNSB is comprised of various ISF2-compliant blocks, such as Event, Origin, Magnitude and Phase blocks, as well as optional Comment blocks inside the Origin and Phase blocks. Each block is separated by an empty line; comment lines are enclosed in parentheses.

### Event block

---

Position	Format	Description
1-5	a5	Event
7-22	a16	Event identifier
24-88	a65	Geographic region

---

### Origin block

---

Position	Format	Description
1-10	i4/i2/i2	date [yyyy/mm/dd]
12-22	i2:i2:f5.2	time [hh:mm:ss.ss]
23	a1	f=fixed origin time, blank=free origin time solution
25-29	f5.2	origin time error (blank if fixed origin time) [seconds]
31-35	f5.2	root mean square of time residuals [seconds]
37-44	f8.4	latitude (negative for South) [degrees]

---

46-54	f9.4	longitude (negative for West) [degrees]
55	a1	f=fixed epicenter, blank=free epicenter solution
56-60	f5.1	semi-major axis of 90% error ellipse [km]
62-66	f5.1	semi-minor axis of 90% error ellipse [km]
68-70	i3	strike (azimuth of semi-major axis) [degrees]
72-76	f5.1	depth [km]
77	a1	f=fixed depth, blank=free depth solution
79-82	f4.1	depth error 90% confidence (blank if fixed depth) [km]
84-87	i4	number of defining phases
89-92	i4	number of defining stations
94-96	i3	azimuthal gap [degrees]
98-103	f6.2	distance to closest station [degrees]
105-110	f6.2	distance to furthest station [degrees]
112	a1	analysis type: (a=automatic, m=manual, blank=unknown)
114	a1	location method: (i=inversion, p=pattern recognition, g=ground truth, o=other, blank=unknown)
116-117	a2	event type (uk=unknown) character 1: k=known, s=suspected, f=felt, d=damaging character 2: c=meteor, e=earthquake, h=chemical explosion, i=induced event, l=landslide, m=mine explosion, n=nuclear explosion, r=rock burst, x=experimental explosion
119-127	a9	author
129-139	a11	origin identifier
141-145	a5	reporter
147-151	f5.1	depth-phase depth [km]
153-157	f5.1	depth-phase depth error [km]
159-161	i3	secondary azimuthal gap [degrees]

---

### Magnitude block

---

Position	Format	Description
1-5	a5	magnitude type
7-10	f4.1	magnitude value
12-14	f3.1	magnitude error
16-19	i4	number of defining stations
21-29	a9	author
31-41	a11	origin identifier

---

Phase block

---

Position	Format	Description
1-5	a5	station code
7-12	f6.2	station-to-event distance [degrees]
14-18	f5.1	event-to-station azimuth [degrees]
20-27	a8	phase code
29-40	i2:i2:f6.3	arrival time [hh:mm:ss.sss]
42-46	f5.1	arrival time residual [seconds]
48-52	f5.1	observed azimuth [degrees]
54-58	f5.1	azimuth residual [degrees]
60-65	f5.1	observed slowness [seconds/degree]
67-72	f5.1	slowness residual [seconds/degree]
74	a1	time defining flag (T or -)
75	a1	azimuth defining flag (A or -)
76	a1	slowness defining flag (S or -)
78-82	f5.1	signal-to-noise ratio
84-92	f9.1	amplitude [nanometers]
94-98	f5.2	period [seconds]
100	a1	type of pick (a=automatic, m=manual)
101	a1	direction of short period first motion (c=compression, d=dilation, -=null)
102	a1	onset quality (i=impulsive, e=emergent, q=questionable, -=null)
104-108	a5	magnitude type
110-113	f4.1	magnitude value
115-125	a11	arrival identifier
127-131	a5	agency
133-140	a8	deployment
142-143	a2	location
145-149	a5	author
151-155	a5	reporter
157-159	i3	phase channel
161-163	i3	amplitude channel
165	a1	direction of long period first motion (c=compression, d=dilation, -=null)

---

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/01	08:03:37.67	1.16	1.09	46.0231	20.9344	7.4	4.2	0	0.4	2.5	60	37	55	0.63	2.59	ke	BUD	19000000	BUD			105

Magnitude	Err	Nsta	Author	OrigID
ML	2.7	0.2	23 BUD	19000000

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
BZS	0.63	130.2	Pg	08:03:50.655	0.7					T__		504.9		_d	ML	2.6	803220	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.63	130.2	Lg	08:03:59.817	1.0					T__				---		803195	FDSN	RO	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.6 magdef=1)																					
				(Station ML: 2.6 magdef=0)																					
BANR	0.66	167.5	Pg	08:03:51.243	0.8					T__		5795.2		---	ML	3.6	803200	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BANR	0.66	167.5	Lg	08:04:01.112	1.3					T__				---		803221	FDSN	RO	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 3.6 magdef=1)																					
				(Station ML: 3.6 magdef=0)																					
HU14A	0.73	305.9	Pg	08:03:53.584	0.7					T__		1024.8		---	ML	2.9	803198	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU14A	0.73	305.9	Lg	08:04:04.302	-0.1					T__				---		803199	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.9 magdef=1)																					
				(Station ML: 2.9 magdef=1)																					
HU06A	0.73	339.9	Lg	08:04:04.780	-0.1					T__				---		803222	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU21A	0.89	290.7	Pg	08:03:56.235	0.5					T__		2034.6		---	ML	3.3	803223	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU21A	0.89	290.7	Sn	08:04:08.670	-1.8					T__				---		803201	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 3.3 magdef=1)																					
				(Station ML: 3.3 magdef=0)																					
HU24A	0.90	9.8	Lg	08:04:09.716	0.2					T__				---		803210	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU13A	1.15	327.5	Pg	08:04:01.353	-0.7					T__		186.2		---	ML	2.4	803224	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU13A	1.15	327.5	Lg	08:04:17.452	-0.2					T__				---		803202	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.4 magdef=1)																					
				(Station ML: 2.4 magdef=0)																					
HU12A	1.16	356.4	Lg	08:04:18.970	1.1					T__				---		803225	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
FRGS	1.17	222.8	Pn	08:03:59.622	-0.4					T__		470.3		---	ML	2.8	803211	FDSN	SJ	--	BUD	iLoc	BHZ	BHZ	_
FRGS	1.17	222.8	Sn	08:04:15.130	-2.5					T__				---		803212	FDSN	SJ	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 2.8 magdef=1)																					
				(Station ML: 2.8 magdef=1)																					
HU22A	1.29	284.3	Pn	08:04:02.258	0.8					T__		309.1		---	ML	2.7	803214	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU22A	1.29	284.3	Sn	08:04:20.050	-0.0					T__				---		803213	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU22A	1.29	284.3	Lg	08:04:21.759	-1.0					T__				---		803226	FDSN	Z6	00	BUD	iLoc	HHE	???	_	
				(Reading ML: 2.7 magdef=1)																					
				(Station ML: 2.7 magdef=1)																					
HU04B	1.30	307.9	Pg	08:04:05.181	0.9					T__		295.8		---	ML	2.7	803203	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU04B	1.30	307.9	Sn	08:04:20.200	-0.2					T__				---		803227	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.7 magdef=1)																					
				(Station ML: 2.7 magdef=1)																					
DEV	1.38	95.1	Pg	08:04:04.289	0.4					T__		292.4		---	ML	2.7	803248	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	1.38	95.1	Lg	08:04:23.903	0.7					T__				---		803204	FDSN	RO	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.7 magdef=1)																					
				(Station ML: 2.7 magdef=1)																					
GZR	1.44	115.4	Pg	08:04:04.199	-0.7					T__		335.4		---	ML	2.8	803196	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	1.44	115.4	Pb	08:04:05.241	0.3					T__				---		803228	FDSN	RO	--	BUD	iLoc	HHZ	???	_	
GZR	1.44	115.4	Lg	08:04:23.043	-1.8					T__				---		803197	FDSN	RO	--	BUD	iLoc	HHN	???	_	
GZR	1.44	115.4	Sg	08:04:24.805	-0.0					T__				---		803249	FDSN	RO	--	BUD	iLoc	HHE	???	_	
				(Reading ML: 2.8 magdef=1)																					
				(Station ML: 2.8 magdef=1)																					

DRGR	1.45	57.3	Pn	08:04:03.980	-0.2	T__	178.0	---	ML	2.6	803194	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	1.45	57.3	Pg	08:04:05.197	-1.0	T__		---			803229	FDSN	RO	--	BUD	iLoc	HHZ	???	_
DRGR	1.45	57.3	Lg	08:04:23.956	-2.3	T__		---			803205	FDSN	RO	--	BUD	iLoc	HHN	???	_
DRGR	1.45	57.3	Sg	08:04:25.992	-0.3	T__		---			803250	FDSN	RO	--	BUD	iLoc	HHE	???	_
(Reading ML: 2.6 magdef=1)																			
(Station ML: 2.6 magdef=1)																			
HU05A	1.54	5.1	Lg	08:04:29.770	0.2	T__		---			803251	FDSN	Z6	00	BUD	iLoc	HHN	???	_
A272A	1.54	298.6	Sn	08:04:27.474	1.2	T__		---			803215	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU01A	1.60	326.1	Lg	08:04:31.889	-0.6	T__		---			803216	FDSN	Z6	00	BUD	iLoc	HHE	???	_
MORH	1.60	277.7	Pn	08:04:05.944	0.1	T__	102.5	---	ML	2.4	803230	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	1.60	277.7	Sn	08:04:28.129	0.4	T__		---			803231	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.4 magdef=1)																			
(Station ML: 2.4 magdef=0)																			
HU23A	1.68	344.0	Sn	08:04:30.106	0.7	T__		---			803232	FDSN	Z6	00	BUD	iLoc	HHN	???	_
A271A	1.84	308.8	Lg	08:04:39.376	-1.3	T__		---			803233	FDSN	Z6	00	BUD	iLoc	HHE	???	_
HU11A	1.91	4.7	Lg	08:04:43.385	2.1	T__		---			803206	FDSN	Z6	00	BUD	iLoc	HHN	???	_
A266A	1.92	286.1	Lg	08:04:41.441	-1.3	T__		---			803234	FDSN	Z6	00	BUD	iLoc	HHN	???	_
A267A	1.93	299.5	Pg	08:04:16.751	1.2	T__	191.9	---	ML	2.9	803235	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.9 magdef=1)																			
(Station ML: 2.9 magdef=1)																			
CJR	1.97	68.5	Pg	08:04:14.405	-1.4	T__	217.2	---	ML	2.9	803217	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
CJR	1.97	68.5	Lg	08:04:43.530	1.3	T__		---			803207	FDSN	RO	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.9 magdef=1)																			
(Station ML: 2.9 magdef=1)																			
KOVH	1.97	272.9	Pg	08:04:15.459	-0.4	T__	91.7	---	ML	2.6	803218	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.6 magdef=1)																			
(Station ML: 2.6 magdef=1)																			
ET1H	1.99	339.0	Pn	08:04:12.109	0.6	T__	75.8	---	ML	2.5	803252	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.5 magdef=1)																			
(Station ML: 2.5 magdef=0)																			
PSZ	2.03	339.8	Pn	08:04:12.314	0.2	T__	113.2	---	ML	2.7	803236	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	2.03	339.8	Lg	08:04:46.141	-0.2	T__		---			803237	FDSN	GE	--	BUD	iLoc	HHE	???	_
(Reading ML: 2.7 magdef=1)																			
(Station ML: 2.7 magdef=1)																			
LOT	2.07	105.1	Pg	08:04:18.388	1.5	T__	116.3	---	ML	2.7	803208	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.7 magdef=1)																			
(Station ML: 2.7 magdef=1)																			
HU07A	2.07	18.5	Lg	08:04:46.269	0.0	T__		---			803253	FDSN	Z6	00	BUD	iLoc	HHE	???	_
HU03A	2.09	334.6	Lg	08:04:48.338	0.2	T__		---			803238	FDSN	Z6	00	BUD	iLoc	HHE	???	_
HU02A	2.12	352.6	Pn	08:04:14.027	0.7	T__	103.8	---	ML	2.7	803239	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.7 magdef=1)																			
(Station ML: 2.7 magdef=1)																			
CSKK	2.28	307.0	Lg	08:04:52.731	-2.7	T__		---			803241	FDSN	HU	--	BUD	iLoc	HHE	???	_
TIH	2.28	293.7	Lg	08:04:54.488	-0.0	T__		---			803240	FDSN	HU	--	BUD	iLoc	HHE	???	_
ABAH	2.28	5.1	Pn	08:04:15.986	0.6	T__	166.0	---	ML	3.0	803219	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	2.28	5.1	Pg	08:04:22.921	0.2	T__	166.8	---	ML	3.0	803209	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	2.28	5.1	Lg	08:04:52.379	-0.8	T__		---			803242	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Reading ML: 3.0 magdef=1)																			
(Station ML: 3.0 magdef=0)																			
TRPA	2.38	26.9	Pg	08:04:22.945	-1.2	T__	71.6	---	ML	2.7	803243	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.7 magdef=1)																			
(Station ML: 2.7 magdef=1)																			
BMR	2.41	45.9	Pg	08:04:22.901	-1.7	T__	99.5	---	ML	2.8	803244	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_

```

(Reading ML: 2.8 magdef=1
(Station ML: 2.8 magdef=1
ARCR 2.59 64.5 Pg 08:04:29.228 1.3 T__ 138.4 ___ ML 3.1 803247 FDSN RO -- BUD iLoc HHZ HHZ _
ARCR 2.59 64.5 Sn 08:04:51.984 -0.2 T__ ___ 803245 FDSN RO -- BUD iLoc HHN ??? _
ARCR 2.59 64.5 Lg 08:05:03.143 1.9 T__ ___ 803246 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 3.1 magdef=1
(Station ML: 3.1 magdef=0

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/01/01 08:38:12.40 1.93 0.97 45.7478 16.9514 15.2 9.4 167 12.0f 6 5 207 0.73 1.27 ke BUD 19000002 BUD 257

```

```

Magnitude Err Nsta Author OrigID

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
BEHE 0.73 350.5 Lg 08:38:36.810 0.2 T__ ___ 803318 FDSN HU -- BUD iLoc HHN ??? _
KOGS 0.85 325.4 Lg 08:38:39.659 -0.3 T__ ___ 803319 FDSN SL -- BUD iLoc BHN ??? _
KOVH 0.87 66.6 Lg 08:38:40.608 -0.3 T__ ___ 803317 FDSN HU -- BUD iLoc HHN ??? _
CRES 1.05 274.8 Pg 08:38:31.814 0.0 T__ 67.2 ___ ML 1.9 803321 FDSN SL -- BUD iLoc BHZ BHZ _
CRES 1.05 274.8 Lg 08:38:46.932 0.1 T__ ___ 803320 FDSN SL -- BUD iLoc BHN ??? _

```

```

(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=0

```

```

MORH 1.27 67.8 Sn 08:38:53.317 1.6 T__ ___ 803316 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/01/01 15:57:53.75 1.49 0.44 45.7174 16.9098 12.6 5.6 176 5.0f 11 7 209 0.69 1.31 ke BUD 19000008 BUD 219

```

```

Magnitude Err Nsta Author OrigID
ML 1.9 0.1 4 BUD 19000008

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
PTJ 0.69 286.4 Lg 15:58:16.467 -0.8 T__ ___ 803548 FDSN CR -- BUD iLoc BHN ??? _
BEHE 0.76 353.0 Pn 15:58:10.371 0.2 T__ 161.9 ___ ML 2.1 803546 FDSN HU -- BUD iLoc HHZ HHZ _
BEHE 0.76 353.0 Lg 15:58:19.354 0.4 T__ ___ 803545 FDSN HU -- BUD iLoc HHN ??? _

```

```

(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1

```

```

KOGS 0.86 328.1 Pg 15:58:10.371 -0.2 T__ 94.9 ___ ML 2.0 803547 FDSN SL -- BUD iLoc BHZ BHZ _
KOGS 0.86 328.1 Lg 15:58:21.892 0.2 T__ ___ 803549 FDSN SL -- BUD iLoc BHN ??? _

```

```

(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1

```

```

KOVH 0.91 65.5 Pg 15:58:11.550 -0.2 T__ 56.9 ___ ML 1.8 803551 FDSN HU -- BUD iLoc HHZ HHZ _
KOVH 0.91 65.5 Lg 15:58:23.820 0.1 T__ ___ 803550 FDSN HU -- BUD iLoc HHN ??? _

```

```

(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1

```

```

A265A 0.94 40.8 Lg 15:58:24.709 0.2 T__ ___ 803552 FDSN Z6 00 BUD iLoc HHN ??? _
CRES 1.02 276.6 Pg 15:58:13.718 0.5 T__ 66.4 ___ ML 1.9 803554 FDSN SL -- BUD iLoc BHZ BHZ _
CRES 1.02 276.6 Lg 15:58:27.960 -0.4 T__ ___ 803553 FDSN SL -- BUD iLoc BHN ??? _

```

```

(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1

```

```

MORH 1.31 67.0 Sn 15:58:35.715 0.4 T__ ___ 803544 FDSN HU -- BUD iLoc HHN ??? _

```



Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/01	23:11:07.15	1.29	0.44	45.9690	18.3339	8.9	4.0	158	5.0f	8	4	220	0.20	0.59	ke	BUD	19000010	BUD				301

Magnitude	Err	Nsta	Author	OrigID
ML	1.2	0.8	4 BUD	19000010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOVH	0.20	306.3	Pg	23:11:11.357	-0.2					T__		40.2		_c_	ML	0.5	803584	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.20	306.3	Lg	23:11:14.260	-0.5					T__				---		803583	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.5 magdef=1)																									
(Station ML: 0.5 magdef=1)																									
MORH	0.33	41.1	Pg	23:11:13.890	0.0					T__		37.2		_d_	ML	0.8	803581	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.33	41.1	Lg	23:11:18.807	-0.2					T__				---		803582	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=1)																									
A273A	0.37	261.9	Pg	23:11:14.570	-0.1					T__		178.1		---	ML	1.6	803587	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A273A	0.37	261.9	Lg	23:11:20.176	0.5					T__				---		803586	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
A265A	0.59	320.8	Pg	23:11:19.354	0.3					T__		135.8		---	ML	2.0	803585	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A265A	0.59	320.8	Lg	23:11:27.617	0.5					T__				---		803588	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/02	12:02:25.89	1.14	0.94	47.9846	16.6610	7.2	4.5	117	0.0f	10	8	146	0.31	1.09	sx	BUD	19000020	BUD				202

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
SOP	0.31	193.0	Lg	12:02:36.269	-0.5					T__				---		803821	FDSN	HU	--	BUD	iLoc	HHN	???	_	
RONA	0.38	220.9	Pg	12:02:33.186	-0.4					T__				---		803820	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.38	220.9	Lg	12:02:38.702	-0.1					T__				---		803823	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.54	264.3	Pg	12:02:36.201	-0.5					T__		87.4		---	ML	1.7	803818	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.54	264.3	Lg	12:02:44.390	0.5					T__				---		803819	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=0)																									
MODS	0.57	46.4	Lg	12:02:47.694	0.8					T__				---		803822	FDSN	SK	--	BUD	iLoc	HHN	???	_	
A011B	0.75	219.7	Lg	12:02:51.405	1.5					T__				---		803824	FDSN	Z3	00	BUD	iLoc	HH2	???	_	
A013A	0.85	275.8	Lg	12:02:53.439	0.3					T__				---		803825	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
ARSA	1.06	226.8	Lg	12:03:01.300	1.5					T__				---		803827	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.09	350.8	Lg	12:03:02.654	-0.3					T__				---		803826	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/03	10:47:07.14	0.84	1.33	45.7713	20.6461	4.9	4.1	41	5.0f	20	14	85	0.52	1.82	ke	BUD	19000024	BUD				157

Magnitude	Err	Nsta	Author	OrigID
ML	2.5	0.0	6 BUD	19000024

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BANR	0.52	138.4	Lg	10:47:24.202	-0.6					T__						803952	FDSN	RO	--	BUD	iLoc	HHN	???	_	
BZS	0.70	102.5	Pg	10:47:20.758	0.0					T__		138.2		---	ML	2.0	803947	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.70	102.5	Lg	10:47:30.143	-0.5					T__						803953	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=0)																									
HU14A	0.78	329.9	Pg	10:47:23.095	0.0					T__		912.1		---	ML	2.9	803951	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU14A	0.78	329.9	Lg	10:47:34.160	-0.5					T__						803954	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.9 magdef=1)																									
(Station ML: 2.9 magdef=0)																									
FRGS	0.85	224.1	Pg	10:47:24.385	0.9					T__		340.9		---	ML	2.5	803962	FDSN	SJ	--	BUD	iLoc	BHZ	BHZ	_
FRGS	0.85	224.1	Lg	10:47:35.883	-1.7					T__						803955	FDSN	SJ	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.5 magdef=1)																									
(Station ML: 2.5 magdef=1)																									
HU21A	0.85	311.7	Sn	10:47:36.255	-1.3					T__						803956	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU06A	0.94	356.7	Pn	10:47:25.463	0.0					T__		238.9		---	ML	2.4	803963	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.94	356.7	Lg	10:47:38.371	-1.1					T__						803949	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=1)																									
HU24A	1.19	17.1	Pn	10:47:30.663	1.7					T__		235.8		---	ML	2.5	803957	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU24A	1.19	17.1	Sn	10:47:46.485	0.6					T__						803948	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.5 magdef=1)																									
(Station ML: 2.5 magdef=1)																									
HU22A	1.19	298.4	Sn	10:47:48.264	2.3					T__						803958	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU04B	1.34	321.7	Sn	10:47:50.752	1.3					T__						803959	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU12A	1.42	5.0	Lg	10:47:54.519	-0.1					T__						803950	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A272A	1.52	310.5	Sn	10:47:56.894	2.9					T__						803960	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
GZR	1.54	103.4	Sn	10:47:55.341	0.2					T__						803964	FDSN	RO	--	BUD	iLoc	HHN	???	_	
DRGR	1.76	53.8	Pn	10:47:38.467	1.2					T__		109.1		---	ML	2.5	803966	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	1.76	53.8	Sn	10:48:01.620	1.3					T__						803965	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.5 magdef=1)																									
(Station ML: 2.5 magdef=1)																									
A266A	1.82	295.4	Lg	10:48:07.282	-0.9					T__						803961	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/03	12:33:02.35	0.98	0.54	47.8591	16.0938	6.5	3.6	63	0.0f		15	8	130	0.17	1.22	sx	BUD	19000026	BUD			182

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.1	6 BUD	19000026

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.17	294.0	Pg	12:33:05.213	-0.8					T__		133.4		---	ML	0.9	804007	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.17	294.0	Lg	12:33:07.769	-0.8					T__						804008	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=0)																									
RONA	0.21	139.3	Pg	12:33:07.074	0.2					T__						804010	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.21	139.3	Lg	12:33:10.397	0.4					T__						804016	FDSN	OE	--	BUD	iLoc	HHN	???	_	
A011B	0.46	191.5	Pg	12:33:11.301	-0.2					T__		51.0		---	ML	1.3	804018	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A011B	0.46	191.5	Lg	12:33:17.582	0.2					T__						804017	FDSN	Z3	00	BUD	iLoc	HH2	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
A013A	0.51	294.1	Pg	12:33:12.104	-0.0					T__		91.0		---	ML	1.7	804009	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_

```

A013A 0.51 294.1 Lg      12:33:19.444  0.7      T__          ---          804019      FDSN Z3      00 BUD      iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
A008A 0.59 330.0 Pg      12:33:13.720  0.0      T__          93.1      --- ML      1.8 804011      FDSN Z3      00 BUD      iLoc HHZ HHZ _
A008A 0.59 330.0 Lg      12:33:22.228  0.5      T__          ---          804012      FDSN Z3      00 BUD      iLoc HH2 ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
A018A 0.69 260.8 Lg      12:33:25.185  0.6      T__          ---          804020      FDSN Z3      00 BUD      iLoc HHN ??? _
ARSA 0.72 212.6 Pg      12:33:15.868 -0.4      T__          67.4      --- ML      1.7 804013      FDSN OE      -- BUD      iLoc HHZ HHZ _
ARSA 0.72 212.6 Lg      12:33:25.618  0.2      T__          ---          804014      FDSN OE      -- BUD      iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
KRUC 1.22 9.3 Pg        12:33:25.405 -0.4      T__          77.0      --- ML      2.1 804015      FDSN CZ      -- BUD      iLoc HHZ HHZ _
KRUC 1.22 9.3 Sn        12:33:42.678 -0.7      T__          ---          804021      FDSN CZ      -- BUD      iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=0

```

```

Date      Time      Err      RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/01/03 19:27:33.64 3.00 0.38 47.7376 18.2240 12.5 7.4 54 16.8 19.5 7 6 156 0.10 0.73 ke BUD 19000032 BUD 250

```

Magnitude Err Nsta Author OrigID

```

Sta      Dist EvAz Phase      Time      TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
SR0      0.10 38.4 Pg      19:27:37.575  0.2      T__          1495.7      --- ML      1.7 804771      FDSN SK      -- BUD      iLoc EHZ EHZ _
SR0      0.10 38.4 Lg      19:27:40.047 -0.4      T__          ---          804775      FDSN SK      -- BUD      iLoc EHE ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=0
HU09A 0.15 132.7 Pg      19:27:37.867 -0.1      T__          92.4      --- ML      0.7 804776      FDSN Z6      00 BUD      iLoc HHZ HHZ _
(Reading ML: 0.7 magdef=1
(Station ML: 0.7 magdef=0
HU08A 0.37 213.7 Lg      19:27:47.936  0.1      T__          ---          804777      FDSN Z6      00 BUD      iLoc HHN ??? _
CSKK 0.38 176.2 Lg      19:27:48.648  0.3      T__          ---          804772      FDSN HU      -- BUD      iLoc HHN ??? _
EGYH 0.68 242.4 Lg      19:27:56.987 -0.4      T__          ---          804773      FDSN HU      -- BUD      iLoc HHE ??? _
MPLH 0.73 219.5 Lg      19:27:58.959 -0.1      T__          ---          804774      FDSN HU      -- BUD      iLoc HHN ??? _

```

```

Date      Time      Err      RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/01/04 10:16:01.70 1.06 1.41 48.4615 20.6763 9.6 4.0 19 0.0f 7 4 182 0.10 0.79 sx BUD 19000036 BUD 292

```

Magnitude Err Nsta Author OrigID  
ML 1.3 0.3 3 BUD 19000036

```

Sta      Dist EvAz Phase      Time      TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
JOS      0.10 290.7 Pg      10:16:03.355 -0.6      T__          168.7      --- ML      0.8 804831      FDSN Z6      -- BUD      iLoc HHZ HHZ _
JOS      0.10 290.7 Lg      10:16:07.034  1.3      T__          ---          804832      FDSN Z6      -- BUD      iLoc HHN ??? _
(Reading ML: 0.8 magdef=1
(Station ML: 0.8 magdef=1
ABAH 0.41 113.6 Pg      10:16:09.832 -0.3      T__          72.1      --- ML      1.3 804833      FDSN HU      -- BUD      iLoc HHZ HHZ _
ABAH 0.41 113.6 Lg      10:16:17.976  0.7      T__          ---          804834      FDSN HU      -- BUD      iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1

```

PSZ 0.75 224.2 Lg 10:16:27.918 -1.3 T\_\_ 804835 FDSN GE -- BUD iLoc HHN ??? \_  
 ET1H 0.79 223.1 Pn 10:16:18.642 -0.3 T\_\_ 33.9 --- ML 1.5 804837 FDSN HU -- BUD iLoc HHZ HHZ \_  
 ET1H 0.79 223.1 Lg 10:16:32.008 1.9 T\_\_ --- 804836 FDSN HU -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.5 magdef=1  
 (Station ML: 1.5 magdef=1

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/01/05 05:12:32.63 1.30 0.85 45.7844 18.7894 6.6 4.0 174 2.1 10.8 95 62 97 0.44 4.08 ke BUD 19000042 BUD 141

Magnitude Err Nsta Author OrigID  
 ML 3.6 0.1 55 BUD 19000042

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
MORH	0.44	346.8	Pg	05:12:41.920	0.3					T__		12509.1		---	ML	3.6	805472	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.44	346.8	Lg	05:12:48.334	0.1					T__				---		805540	FDSN	HU	--	BUD	iLoc	HHE	???	_	
KOVH	0.57	302.5	Pg	05:12:44.080	-0.1					T__		7750.3		_c_	ML	3.7	805541	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.57	302.5	Lg	05:12:51.992	-0.1					T__				---		805471	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU22A	0.59	23.5	Pg	05:12:44.871	0.4					T__		23866.3		_d_	ML	4.2	805542	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A273A	0.69	281.3	Sn	05:12:56.747	-2.7					T__				---		805502	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A266A	0.83	334.0	Pg	05:12:49.511	0.5					T__		24779.9		_c_	ML	4.4	805543	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU21A	0.85	49.7	Pn	05:12:49.447	-0.4					T__		3542.5		---	ML	3.5	805481	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU21A	0.85	49.7	Sn	05:13:02.651	-0.9					T__				---		805503	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A265A	0.94	313.1	Pg	05:12:51.478	0.1					T__		5638.1		_c_	ML	3.8	805544	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
FRGS	0.95	130.7	Pn	05:12:50.473	-1.0					T__		4548.3		---	ML	3.7	805492	FDSN	SJ	--	BUD	iLoc	BHZ	BHZ	_
FRGS	0.95	130.7	Sn	05:13:04.169	-2.2					T__				---		805504	FDSN	SJ	--	BUD	iLoc	BHN	???	_	
A272A	0.97	7.2	Pg	05:12:52.697	0.8					T__		6555.8		---	ML	3.9	805475	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A272A	0.97	7.2	Sn	05:13:05.730	-0.7					T__				---		805505	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A264A	1.11	290.3	Pg	05:12:53.702	-0.6					T__		4215.8		---	ML	3.7	805473	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU14A	1.12	53.1	Pn	05:12:53.692	0.1					T__		2584.2		---	ML	3.5	805507	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU14A	1.12	53.1	Pg	05:12:54.761	-0.3					T__				---		805508	FDSN	Z6	00	BUD	iLoc	HHZ	???	_	
HU14A	1.12	53.1	Sn	05:13:09.579	-0.4					T__				---		805506	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU04B	1.12	23.4	Pn	05:12:53.681	-0.0					T__		4559.5		---	ML	3.8	805480	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_

HU04B	1.12	23.4	Pg	05:12:55.188	-0.2	T__			805510	FDSN	Z6	00	BUD	iLoc	HHZ	???	_	
HU04B	1.12	23.4	Lg	05:13:11.375	-1.1	T__			805509	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 3.8 magdef=1)																		
(Station ML: 3.8 magdef=1)																		
A267A	1.18	349.7	Pg	05:12:56.086	0.4	T__	2967.1	___ ML	3.6	805512	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A267A	1.18	349.7	Lg	05:13:13.492	-0.4	T__		___	805511	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 3.6 magdef=1)																		
(Station ML: 3.6 magdef=1)																		
TIH	1.28	331.2	Pn	05:12:56.117	0.2	T__	6073.9	___ ML	4.0	805514	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TIH	1.28	331.2	Pg	05:12:57.678	0.3	T__		___	805513	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
TIH	1.28	331.2	Sn	05:13:13.630	-0.3	T__		___	805545	FDSN	HU	--	BUD	iLoc	HHN	???	_	
TIH	1.28	331.2	Lg	05:13:15.875	0.2	T__		___	805515	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 4.0 magdef=1)																		
(Station ML: 4.0 magdef=0)																		
A263A	1.33	310.4	Pn	05:12:56.717	-0.1	T__	2815.6	___ ML	3.7	805474	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A263A	1.33	310.4	Lg	05:13:17.993	1.4	T__		___	805516	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 3.7 magdef=1)																		
(Station ML: 3.7 magdef=1)																		
A271A	1.37	1.3	Pn	05:12:57.594	0.4	T__	2231.8	___ ML	3.6	805479	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A271A	1.37	1.3	Lg	05:13:19.297	-0.5	T__		___	805517	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 3.6 magdef=1)																		
(Station ML: 3.6 magdef=1)																		
HU13A	1.48	35.2	Pn	05:12:58.813	0.1	T__	1533.6	___ ML	3.5	805493	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU13A	1.48	35.2	Pg	05:13:01.785	0.1	T__		___	805519	FDSN	Z6	00	BUD	iLoc	HHZ	???	_	
HU13A	1.48	35.2	Lg	05:13:23.347	-0.3	T__		___	805546	FDSN	Z6	00	BUD	iLoc	HHE	???	_	
(Reading ML: 3.5 magdef=1)																		
(Station ML: 3.5 magdef=1)																		
BLY	1.54	228.2	Pn	05:12:58.920	-1.1	T__	1717.4	___ ML	3.6	805490	FDSN	MN	--	BUD	iLoc	HHZ	HHZ	_
BLY	1.54	228.2	Lg	05:13:21.906	-0.0	T__		___	805518	FDSN	MN	--	BUD	iLoc	HHN	???	_	
(Reading ML: 3.6 magdef=1)																		
(Station ML: 3.6 magdef=1)																		
HU06A	1.54	52.4	Pg	05:13:03.613	0.9	T__	1490.5	___ ML	3.5	805501	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	1.54	52.4	Lg	05:13:25.207	-0.3	T__		___	805520	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 3.5 magdef=1)																		
(Station ML: 3.5 magdef=1)																		
BEHE	1.56	296.8	Pn	05:12:59.903	-0.2	T__	4992.7	___ ML	4.1	805476	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BEHE	1.56	296.8	Lg	05:13:24.667	1.4	T__		___	805547	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 4.1 magdef=1)																		
(Station ML: 4.1 magdef=0)																		
CSKK	1.62	347.2	Pn	05:13:01.058	0.3	T__	1332.9	___ ML	3.5	805483	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	1.62	347.2	Lg	05:13:26.781	-1.1	T__		___	805521	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 3.5 magdef=1)																		
(Station ML: 3.5 magdef=1)																		
A261A	1.63	316.4	Pn	05:13:00.523	-0.4	T__	2334.2	___ ML	3.8	805477	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.8 magdef=1)																		
(Station ML: 3.8 magdef=1)																		
MPLH	1.63	328.5	Pn	05:13:01.571	0.6	T__	1136.1	_c_ ML	3.5	805478	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.5 magdef=1)																		
(Station ML: 3.5 magdef=1)																		
HU01A	1.66	19.9	Pn	05:13:01.977	0.7	T__	1767.8	___ ML	3.7	805494	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU01A	1.66	19.9	Lg	05:13:28.684	-1.0	T__		___	805524	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 3.7 magdef=1)																		
(Station ML: 3.7 magdef=1)																		

BANR	1.70	102.9	Pg	05:13:05.326	1.1	T__	6973.5	___	ML	4.3	805523	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BANR	1.70	102.9	Lg	05:13:28.377	-0.8	T__		---			805522	FDSN	RO	--	BUD	iLoc	HHN	???	_
	(Reading ML: 4.3 magdef=1)																		
	(Station ML: 4.3 magdef=0)																		
HU08A	1.75	340.4	Pn	05:13:03.089	0.5	T__	867.1	___	ML	3.4	805485	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.4 magdef=1)																		
	(Station ML: 3.4 magdef=0)																		
BSZH	1.83	33.4	Pg	05:13:08.502	-0.1	T__	1294.2	___	ML	3.6	805548	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.6 magdef=1)																		
	(Station ML: 3.6 magdef=1)																		
HU09A	1.88	351.6	Pn	05:13:04.885	0.6	T__	1401.2	___	ML	3.7	805491	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU09A	1.88	351.6	Lg	05:13:36.130	-0.3	T__		---			805549	FDSN	Z6	00	BUD	iLoc	HHE	???	_
	(Reading ML: 3.7 magdef=1)																		
	(Station ML: 3.7 magdef=1)																		
KOGS	1.89	291.5	Pn	05:13:03.816	-0.8	T__	2363.1	___	ML	3.9	805484	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	1.89	291.5	Lg	05:13:34.415	1.5	T__		---			805525	FDSN	SL	--	BUD	iLoc	BHN	???	_
	(Reading ML: 3.9 magdef=1)																		
	(Station ML: 3.9 magdef=0)																		
A262A	1.90	305.4	Pn	05:13:05.163	0.4	T__	1052.4	___	ML	3.6	805482	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.6 magdef=1)																		
	(Station ML: 3.6 magdef=1)																		
EGYH	1.92	328.9	Pg	05:13:06.831	-2.5	T__	619.2	___	ML	3.4	805486	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.4 magdef=1)																		
	(Station ML: 3.4 magdef=0)																		
ZAG	1.96	272.2	Pn	05:13:06.083	0.3	T__	4620.9	___	ML	4.3	805488	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	1.96	272.2	Lg	05:13:36.511	1.0	T__		---			805526	FDSN	CR	--	BUD	iLoc	BHN	???	_
	(Reading ML: 4.3 magdef=1)																		
	(Station ML: 4.3 magdef=0)																		
PTJ	1.98	274.6	Pn	05:13:05.014	-1.3	T__	1447.7	___	ML	3.8	805487	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	1.98	274.6	Lg	05:13:36.233	-0.4	T__		---			805527	FDSN	CR	--	BUD	iLoc	BHN	???	_
	(Reading ML: 3.8 magdef=1)																		
	(Station ML: 3.8 magdef=1)																		
HU12A	1.98	44.5	Lg	05:13:40.223	0.2	T__		---			805528	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU24A	1.99	54.7	Lg	05:13:40.609	0.8	T__		---			805529	FDSN	Z6	00	BUD	iLoc	HHN	???	_
SR0	2.06	351.0	Pn	05:13:07.731	0.9	T__	3111.4	___	ML	4.1	805530	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
	(Reading ML: 4.1 magdef=1)																		
	(Station ML: 4.1 magdef=0)																		
HU10A	2.07	4.3	Pn	05:13:07.409	0.5	T__	740.5	___	ML	3.5	805495	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.5 magdef=1)																		
	(Station ML: 3.5 magdef=1)																		
A260A	2.08	316.9	Pn	05:13:07.451	0.3	T__	863.9	___	ML	3.6	805489	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.6 magdef=1)																		
	(Station ML: 3.6 magdef=1)																		
HU23A	2.11	27.9	Lg	05:13:44.099	-0.2	T__		---			805531	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU03A	2.19	14.4	Pn	05:13:08.670	0.1	T__	871.3	___	ML	3.7	805500	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.7 magdef=1)																		
	(Station ML: 3.7 magdef=1)																		
ET1H	2.22	19.1	Pn	05:13:08.461	-0.6	T__	445.4	___	ML	3.4	805532	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.4 magdef=1)																		
	(Station ML: 3.4 magdef=0)																		
A003A	2.31	329.5	Pn	05:13:11.346	1.0	T__	1366.2	___	ML	3.9	805533	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.9 magdef=1)																		
	(Station ML: 3.9 magdef=0)																		

CRES	2.33	272.2	Pn	05:13:09.803	-1.3	T__	563.3	___	ML	3.5	805496	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	2.33	272.2	Pg	05:13:16.753	1.0	T__		---			805538	FDSN	SL	--	BUD	iLoc	BHZ	???	_
CRES	2.33	272.2	Lg	05:13:48.121	0.6	T__		---			805539	FDSN	SL	--	BUD	iLoc	BHN	???	_
(Reading ML: 3.5 magdef=1)																			
(Station ML: 3.5 magdef=1)																			
SOP	2.44	321.9	Pn	05:13:12.412	0.2	T__	569.3	___	ML	3.6	805497	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.6 magdef=1)																			
(Station ML: 3.6 magdef=1)																			
A011B	2.54	310.8	Pn	05:13:13.588	-0.1	T__	261.0	___	ML	3.3	805498	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.3 magdef=1)																			
(Station ML: 3.3 magdef=0)																			
RONA	2.57	319.1	Pn	05:13:14.187	0.0	T__		---			805499	FDSN	OE	--	BUD	iLoc	HHZ	???	_
ZST	2.67	335.0	Pn	05:13:15.677	0.2	T__		---			805535	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ARSA	2.69	304.2	Pn	05:13:15.600	-0.2	T__	259.5	___	ML	3.4	805534	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.4 magdef=1)																			
(Station ML: 3.4 magdef=0)																			
MODS	2.79	338.8	Pn	05:13:17.317	0.1	T__		---			805536	FDSN	SK	--	BUD	iLoc	HHZ	???	_
GZR	2.83	96.5	Pn	05:13:17.931	-0.1	T__	242.0	___	ML	3.5	805550	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.5 magdef=1)																			
(Station ML: 3.5 magdef=0)																			
DRGR	2.90	68.3	Pn	05:13:18.113	-0.8	T__	201.5	___	ML	3.4	805551	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.4 magdef=1)																			
(Station ML: 3.4 magdef=0)																			
CONA	2.94	317.9	Pn	05:13:19.126	-0.2	T__	213.0	_c_	ML	3.5	805552	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	2.94	317.9	Sn	05:13:55.527	1.1	T__		---			805553	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 3.5 magdef=1)																			
(Station ML: 3.5 magdef=0)																			
JOS	2.96	23.1	Pn	05:13:19.433	0.1	T__	143.6	___	ML	3.3	805554	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.3 magdef=1)																			
(Station ML: 3.3 magdef=0)																			
ABAH	3.02	32.8	Pn	05:13:21.163	1.1	T__	235.7	___	ML	3.6	805557	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.6 magdef=1)																			
(Station ML: 3.6 magdef=1)																			
OBKA	3.04	285.3	Pn	05:13:19.836	-1.2	T__	337.5	___	ML	3.7	805537	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
OBKA	3.04	285.3	Sn	05:13:56.983	0.2	T__		---			805555	FDSN	OE	--	BUD	iLoc	HHE	???	_
OBKA	3.04	285.3	Lg	05:14:12.004	3.0	T__		---			805556	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 3.7 magdef=1)																			
(Station ML: 3.7 magdef=1)																			
A005B	3.13	326.6	Pn	05:13:22.073	0.3	T__	478.5	___	ML	3.9	805558	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.9 magdef=1)																			
(Station ML: 3.9 magdef=0)																			
JAVC	3.17	346.5	Pn	05:13:23.302	0.6	T__	177.6	_d_	ML	3.5	805559	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.5 magdef=1)																			
(Station ML: 3.5 magdef=1)																			
A018A	3.22	308.9	Pn	05:13:23.211	-0.0	T__	120.4	___	ML	3.4	805560	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A018A	3.22	308.9	Sn	05:14:01.945	1.2	T__		---			805561	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Reading ML: 3.4 magdef=1)																			
(Station ML: 3.4 magdef=0)																			
A001A	3.30	333.8	Pn	05:13:24.804	0.5	T__	164.0	___	ML	3.6	805562	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.6 magdef=1)																			
(Station ML: 3.6 magdef=1)																			
KRUC	3.66	334.5	Pn	05:13:28.665	-0.5	T__	98.3	___	ML	3.5	805563	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.5 magdef=1)																			

(Station ML: 3.5 magdef=1  
 VRAC 3.83 337.9 Pn 05:13:31.305 -0.2 T\_\_ 28.3 \_\_\_ ML 3.0 805564 FDSN CZ -- BUD iLoc HHZ HHZ \_  
 (Reading ML: 3.0 magdef=1  
 (Station ML: 3.0 magdef=0  
 MORC 4.08 348.6 Pn 05:13:35.128 -0.1 T\_\_ 120.1 \_\_\_ ML 3.7 805565 FDSN CZ -- BUD iLoc HHZ HHZ \_  
 (Reading ML: 3.7 magdef=1  
 (Station ML: 3.7 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/05	06:04:15.55	3.65	0.39	45.8433	18.6714	22.0	9.4	163	10.0f		5	3	268	0.37	0.58	ke	BUD	19000044	BUD			323

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
MORH	0.37	357.0	Pg	06:04:23.085	-0.2					T__		34.7		___	ML	0.9	805694	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.37	357.0	Lg	06:04:28.829	-0.2					T__				---		805693	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MORH	0.37	357.0	Sg	06:04:29.252	0.2					T__				---		805692	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1 (Station ML: 0.9 magdef=0																									
KOVH	0.47	301.8	Lg	06:04:32.100	0.3					T__				---		805690	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU22A	0.58	33.3	Lg	06:04:36.840	0.3					T__				---		805691	FDSN	Z6	00	BUD	iLoc	HHE	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/05	08:26:43.28	1.05	1.21	48.5194	20.8040	7.6	3.6	0	0.0f		9	6	163	0.18	1.06	sx	BUD	19000046	BUD			224

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
JOS	0.18	262.5	Pg	08:26:47.200	0.2					T__		159.1		___	ML	1.0	805714	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.18	262.5	Lg	08:26:50.304	0.3					T__				---		805719	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1 (Station ML: 1.0 magdef=0																									
ABAH	0.37	127.4	Pg	08:26:51.582	0.7					T__		98.8		___	ML	1.3	805716	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.37	127.4	Lg	08:26:56.165	-1.2					T__				---		805715	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1 (Station ML: 1.3 magdef=0																									
HU02A	0.44	205.2	Lg	08:26:58.995	-0.8					T__				---		805720	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.86	225.7	Lg	08:27:13.974	-0.2					T__				---		805717	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	0.89	224.6	Lg	08:27:14.721	-0.4					T__				---		805718	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOLS	1.06	66.4	Pg	08:27:03.748	0.3					T__				---		805722	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	1.06	66.4	Lg	08:27:17.479	-2.4					T__				---		805721	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/05	09:50:22.30	2.87	1.25	48.7091	20.7438	31.3	6.6	92	0.0f		6	4	216	0.25	1.01	sx	BUD	19000050	BUD			338

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
JOS	0.25	212.5	Pg	09:50:28.219	0.7					T__		87.6		___	ML	0.9	805792	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_



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JOS 0.25 212.5 Lg 09:50:30.657 -0.9 T__ --- 805793 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=0
HU02A 0.61 194.0 Lg 09:50:42.945 -1.5 T__ --- 805794 FDSN Z6 00 BUD iLoc HHN ??? _
NIE 0.77 337.8 Lg 09:50:46.871 -0.9 T__ --- 805795 FDSN PL -- BUD iLoc BHN ??? _
ET1H 1.01 215.4 Pn 09:50:42.177 -0.5 T__ 41.9 --- ML 1.7 805797 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 1.01 215.4 Lg 09:50:58.099 -0.1 T__ --- 805796 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=0

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/01/06 04:32:49.97 0.71 0.88 47.9537 16.4153 2.7 2.3 84 3.1 8.0 80 44 44 0.27 2.76 ke BUD 19000056 BUD 57

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Magnitude Err Nsta Author OrigID
ML 2.7 0.1 38 BUD 19000056

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
RONA 0.27 197.6 Pg 04:32:55.269 -0.3 T__ --- 806357 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.27 197.6 Lg 04:32:58.765 -0.6 T__ --- 806321 FDSN OE -- BUD iLoc HHN ??? _
SOP 0.29 160.3 Pg 04:32:55.878 0.0 T__ 1937.6 _d_ ML 2.4 806305 FDSN HU -- BUD iLoc HHZ HHZ _
SOP 0.29 160.3 Lg 04:32:59.577 -0.3 T__ --- 806306 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=0
CONA 0.37 266.3 Pg 04:32:57.530 -0.0 T__ 759.7 --- ML 2.2 806308 FDSN OE -- BUD iLoc HHZ HHZ _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=0
A002B 0.43 16.2 Pg 04:33:00.053 1.6 T__ 1731.2 --- ML 2.7 806309 FDSN Z3 00 BUD iLoc HHZ HHZ _
A002B 0.43 16.2 Lg 04:33:03.859 -0.9 T__ --- 806356 FDSN Z3 00 BUD iLoc HH2 ??? _
(Reading ML: 2.7 magdef=1
(Station ML: 2.7 magdef=1
A005B 0.44 341.5 Pg 04:32:59.583 1.0 T__ 2400.6 _d_ ML 2.9 806358 FDSN Z3 00 BUD iLoc HHZ HHZ _
A005B 0.44 341.5 Lg 04:33:06.093 1.2 T__ --- 806359 FDSN Z3 00 BUD iLoc HHN ??? _
(Reading ML: 2.9 magdef=1
(Station ML: 2.9 magdef=1
A003A 0.47 114.2 Pg 04:32:59.941 0.4 T__ 1089.8 _c_ ML 2.6 806360 FDSN Z3 00 BUD iLoc HHZ HHZ _
A003A 0.47 114.2 Lg 04:33:06.976 0.6 T__ --- 806322 FDSN Z3 00 BUD iLoc HH2 ??? _
(Reading ML: 2.6 magdef=1
(Station ML: 2.6 magdef=1
ZST 0.52 62.0 Pg 04:33:00.181 -0.3 T__ _c_ 806361 FDSN SK -- BUD iLoc HHZ ??? _
ZST 0.52 62.0 Lg 04:33:07.907 -0.4 T__ --- 806363 FDSN SK -- BUD iLoc HHN ??? _
ZST 0.52 62.0 Sg 04:33:08.408 0.1 T__ --- 806362 FDSN SK -- BUD iLoc HHN ??? _
A011B 0.63 209.7 Pg 04:33:01.678 -0.6 T__ 500.4 _d_ ML 2.5 806364 FDSN Z3 00 BUD iLoc HHZ HHZ _
A011B 0.63 209.7 Lg 04:33:11.193 0.9 T__ --- 806323 FDSN Z3 00 BUD iLoc HH2 ??? _
(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=1
A008A 0.66 309.4 Pg 04:33:02.662 0.1 T__ 4110.3 _c_ ML 3.5 806365 FDSN Z3 00 BUD iLoc HHZ HHZ _
A008A 0.66 309.4 Lg 04:33:11.578 -0.0 T__ --- 806324 FDSN Z3 00 BUD iLoc HH2 ??? _
(Reading ML: 3.5 magdef=1
(Station ML: 3.5 magdef=0
A013A 0.69 279.6 Pg 04:33:03.196 -0.0 T__ 2656.1 _c_ ML 3.3 806366 FDSN Z3 00 BUD iLoc HHZ HHZ _
A013A 0.69 279.6 Lg 04:33:12.669 0.5 T__ --- 806325 FDSN Z3 00 BUD iLoc HHN ??? _
(Reading ML: 3.3 magdef=1

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(Station ML: 3.3 magdef=0													
A260A 0.70 163.6 Pg	04:33:03.602	-0.3	T__	941.5	___ ML	2.9 806307	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_		
A260A 0.70 163.6 Lg	04:33:13.187	-0.0	T__		___	806367	FDSN Z6	00 BUD	iLoc	HHN ???	_		
(Reading ML: 2.9 magdef=1													
(Station ML: 2.9 magdef=1													
MODS 0.71 53.6 Pg	04:33:03.709	-0.6	T__		___	806310	FDSN SK	-- BUD	iLoc	HHZ ???	_		
MODS 0.71 53.6 Lg	04:33:14.739	-0.4	T__		___	806368	FDSN SK	-- BUD	iLoc	HHN ???	_		
A001A 0.78 8.5 Pg	04:33:05.997	0.6	T__	492.0	___ ML	2.6 806313	FDSN Z3	00 BUD	iLoc	HHZ HHZ	_		
A001A 0.78 8.5 Lg	04:33:17.179	0.3	T__		___	806369	FDSN Z3	00 BUD	iLoc	HH2 ???	_		
(Reading ML: 2.6 magdef=1													
(Station ML: 2.6 magdef=1													
EGYH 0.82 130.6 Pg	04:33:07.074	0.8	T__	903.1	___ ML	2.9 806370	FDSN HU	-- BUD	iLoc	HHZ HHZ	_		
EGYH 0.82 130.6 Lg	04:33:18.592	0.6	T__		___	806326	FDSN HU	-- BUD	iLoc	HHN ???	_		
(Reading ML: 2.9 magdef=1													
(Station ML: 2.9 magdef=1													
ARSA 0.93 221.0 Pg	04:33:07.419	-0.5	T__	779.8	___ ML	2.9 806328	FDSN OE	-- BUD	iLoc	HHZ HHZ	_		
ARSA 0.93 221.0 Lg	04:33:19.725	0.2	T__		___	806327	FDSN OE	-- BUD	iLoc	HHN ???	_		
(Reading ML: 2.9 magdef=1													
(Station ML: 2.9 magdef=1													
A262A 1.09 176.0 Sn	04:33:27.418	0.7	T__		___	806331	FDSN Z6	00 BUD	iLoc	HHN ???	_		
MPLH 1.09 135.4 Pn	04:33:11.172	-0.1	T__	321.1	___ ML	2.6 806312	FDSN HU	-- BUD	iLoc	HHZ HHZ	_		
MPLH 1.09 135.4 Sn	04:33:26.204	-0.9	T__		___	806329	FDSN HU	-- BUD	iLoc	HHN ???	_		
(Reading ML: 2.6 magdef=1													
(Station ML: 2.6 magdef=1													
KRUC 1.11 359.3 Pg	04:33:10.659	-0.4	T__	740.2	_d ML	3.0 806372	FDSN CZ	-- BUD	iLoc	HHZ HHZ	_		
KRUC 1.11 359.3 Lg	04:33:26.033	-1.2	T__		___	806330	FDSN CZ	-- BUD	iLoc	HHN ???	_		
(Reading ML: 3.0 magdef=1													
(Station ML: 3.0 magdef=0													
A261A 1.12 153.3 Pg	04:33:11.920	-0.0	T__	362.1	___ ML	2.7 806311	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_		
A261A 1.12 153.3 Lg	04:33:27.194	0.1	T__		___	806371	FDSN Z6	00 BUD	iLoc	HHE ???	_		
(Reading ML: 2.7 magdef=1													
(Station ML: 2.7 magdef=1													
HU08A 1.15 116.6 Pn	04:33:11.343	-0.6	T__	315.3	___ ML	2.6 806314	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_		
HU08A 1.15 116.6 Sn	04:33:27.872	-0.6	T__		___	806332	FDSN Z6	00 BUD	iLoc	HHN ???	_		
(Reading ML: 2.6 magdef=1													
(Station ML: 2.6 magdef=1													
JAVC 1.23 42.2 Pn	04:33:13.845	0.2	T__	198.3	___ ML	2.5 806319	FDSN CZ	-- BUD	iLoc	HHZ HHZ	_		
JAVC 1.23 42.2 Sn	04:33:31.400	-0.3	T__		___	806333	FDSN CZ	-- BUD	iLoc	HHN ???	_		
(Reading ML: 2.5 magdef=1													
(Station ML: 2.5 magdef=1													
SRO 1.29 95.6 Pn	04:33:13.588	-0.3	T__	1214.1	___ ML	3.3 806315	FDSN SK	-- BUD	iLoc	EHZ EHZ	_		
(Reading ML: 3.3 magdef=1													
(Station ML: 3.3 magdef=0													
VRAC 1.36 4.9 Pn	04:33:14.379	-0.9	T__	128.0	___ ML	2.4 806320	FDSN CZ	-- BUD	iLoc	HHZ HHZ	_		
VRAC 1.36 4.9 Sn	04:33:32.646	-1.3	T__		___	806373	FDSN CZ	-- BUD	iLoc	HHN ???	_		
(Reading ML: 2.4 magdef=1													
(Station ML: 2.4 magdef=0													
CSKK 1.38 114.7 Pg	04:33:17.278	0.4	T__	236.6	___ ML	2.6 806334	FDSN HU	-- BUD	iLoc	HHZ HHZ	_		
CSKK 1.38 114.7 Sn	04:33:35.367	1.0	T__		___	806335	FDSN HU	-- BUD	iLoc	HHN ???	_		
(Reading ML: 2.6 magdef=1													
(Station ML: 2.6 magdef=1													
A263A 1.45 154.7 Lg	04:33:38.686	1.1	T__		___	806336	FDSN Z6	00 BUD	iLoc	HHN ???	_		
TIH 1.46 135.9 Pg	04:33:18.848	0.5	T__	546.9	___ ML	3.0 806316	FDSN HU	-- BUD	iLoc	HHZ HHZ	_		

TIH	1.46	135.9	Lg	04:33:38.734	0.2	T__			806337	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 3.0 magdef=1)																			
(Station ML: 3.0 magdef=0)																			
BEHE	1.50	170.5	Pg	04:33:18.228	-1.0	T__	215.8	---	ML	2.7	806317	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BEHE	1.50	170.5	Sn	04:33:37.961	1.1	T__		---			806374	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Reading ML: 2.7 magdef=1)																			
(Station ML: 2.7 magdef=1)																			
KOGS	1.51	184.3	Pn	04:33:16.710	-0.5	T__	379.5	---	ML	2.9	806318	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	1.51	184.3	Pg	04:33:18.982	-0.0	T__		---			806375	FDSN	SL	--	BUD	iLoc	BHZ	???	_
(Reading ML: 2.9 magdef=1)																			
(Station ML: 2.9 magdef=1)																			
CKRC	1.65	302.5	Pg	04:33:21.233	-0.1	T__	1006.7	---	ML	3.4	806339	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
CKRC	1.65	302.5	Lg	04:33:42.188	-1.4	T__		---			806338	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 3.4 magdef=1)																			
(Station ML: 3.4 magdef=0)																			
A267A	1.73	124.9	Pn	04:33:20.213	0.4	T__	155.0	---	ML	2.7	806376	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A267A	1.73	124.9	Pg	04:33:24.280	0.8	T__		---			806341	FDSN	Z6	00	BUD	iLoc	HHZ	???	_
A267A	1.73	124.9	Lg	04:33:46.518	-1.4	T__		---			806340	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.7 magdef=1)																			
(Station ML: 2.7 magdef=1)																			
HU10A	1.76	92.6	Pn	04:33:20.077	-0.3	T__	83.0	---	ML	2.4	806377	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU10A	1.76	92.6	Pg	04:33:24.158	-0.4	T__	84.9	---	ML	2.4	806342	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.4 magdef=1)																			
(Station ML: 2.4 magdef=0)																			
BUD	1.82	104.0	Pg	04:33:24.812	-1.0	T__	143.7	---	ML	2.7	806343	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.7 magdef=1)																			
(Station ML: 2.7 magdef=1)																			
A264A	1.89	161.3	Lg	04:33:49.321	-1.5	T__		---			806345	FDSN	Z6	00	BUD	iLoc	HHN	???	_
OBKA	1.93	222.0	Pn	04:33:23.635	-0.0	T__	153.7	---	ML	2.8	806378	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
OBKA	1.93	222.0	Pg	04:33:27.242	1.3	T__	149.5	---	ML	2.7	806344	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.8 magdef=1)																			
(Station ML: 2.8 magdef=1)																			
MORC	1.97	21.8	Pn	04:33:22.996	-0.9	T__	177.4	---	ML	2.8	806379	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
MORC	1.97	21.8	Sn	04:33:47.451	-2.1	T__		---			806380	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.8 magdef=1)																			
(Station ML: 2.8 magdef=1)																			
PTJ	2.07	188.7	Pg	04:33:29.802	0.7	T__	101.6	---	ML	2.7	806346	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 2.7 magdef=1)																			
(Station ML: 2.7 magdef=1)																			
HU03A	2.14	90.2	Pn	04:33:28.188	2.5	T__	88.0	---	ML	2.6	806347	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.6 magdef=1)																			
(Station ML: 2.6 magdef=1)																			
KOVH	2.19	147.7	Pg	04:33:32.022	-0.1	T__	49.1	---	ML	2.4	806348	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.4 magdef=1)																			
(Station ML: 2.4 magdef=0)																			
CRES	2.23	197.5	Pn	04:33:27.247	-0.2	T__	46.3	---	ML	2.4	806349	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	2.23	197.5	Pg	04:33:31.665	0.4	T__		---			806381	FDSN	SL	--	BUD	iLoc	BHZ	???	_
CRES	2.23	197.5	Lg	04:34:03.341	1.4	T__		---			806350	FDSN	SL	--	BUD	iLoc	BHN	???	_
(Reading ML: 2.4 magdef=1)																			
(Station ML: 2.4 magdef=0)																			
MORH	2.31	138.0	Pn	04:33:27.714	-0.1	T__	42.8	---	ML	2.4	806353	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	2.31	138.0	Pg	04:33:35.069	0.8	T__		---			806352	FDSN	HU	--	BUD	iLoc	HHZ	???	_
MORH	2.31	138.0	Lg	04:34:06.716	1.1	T__		---			806351	FDSN	HU	--	BUD	iLoc	HHN	???	_

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(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=0
ET1H 2.33 90.6 Pg 04:33:35.077 -0.8 T__ 57.2 ___ ML 2.6 806354 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 2.6 magdef=1
(Station ML: 2.6 magdef=1
PSZ 2.34 89.6 Pg 04:33:36.208 -0.1 T__ 59.4 ___ ML 2.6 806355 FDSN GE -- BUD iLoc HHZ HHZ _
(Reading ML: 2.6 magdef=1
(Station ML: 2.6 magdef=1
PRU 2.38 329.5 Pn 04:33:29.794 0.2 T__ 212.1 ___ ML 3.2 806383 FDSN CZ -- BUD iLoc HHZ HHZ _
PRU 2.38 329.5 Pg 04:33:34.402 -0.7 T__ ___ 806382 FDSN CZ -- BUD iLoc HHZ ??? _
(Reading ML: 3.2 magdef=1
(Station ML: 3.2 magdef=0
HU02A 2.76 85.0 Pg 04:33:41.291 -3.1 T__ 40.5 ___ ML 2.6 806384 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.6 magdef=1
(Station ML: 2.6 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/01/06 08:54:03.19 1.39 0.34 46.1159 18.0937 13.3 4.2 98 0.0f 4 3 204 0.03 0.43 sx BUD 19000058 BUD 300

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Magnitude Err Nsta Author OrigID
ML 1.3 0.3 3 BUD 19000058

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
KOVH 0.03 171.1 Pg 08:54:04.565 0.1 T__ 765.5 ___ ML 1.3 806492 FDSN HU -- BUD iLoc HHZ HHZ _
KOVH 0.03 171.1 Lg 08:54:05.569 -0.3 T__ ___ 806493 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
MORH 0.39 75.3 Pg 08:54:11.635 0.1 T__ 47.8 ___ ML 1.1 806494 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=1
A266A 0.43 16.1 Pg 08:54:12.296 0.0 T__ 192.2 ___ ML 1.8 806495 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/01/06 12:15:30.83 2.18 0.44 48.5586 20.8694 15.0 7.2 16 0.0f 6 5 242 0.23 0.95 sx BUD 19000060 BUD 313

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
JOS 0.23 254.1 Pg 12:15:35.634 0.1 T__ 351.3 ___ ML 1.5 806538 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.23 254.1 Lg 12:15:38.948 -0.3 T__ ___ 806539 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=0
ABAH 0.36 136.7 Lg 12:15:44.584 -0.1 T__ ___ 806540 FDSN HU -- BUD iLoc HHN ??? _
HU02A 0.49 207.9 Lg 12:15:48.814 -0.4 T__ ___ 806541 FDSN Z6 00 BUD iLoc HHN ??? _
PSZ 0.91 225.9 Lg 12:16:03.921 0.2 T__ ___ 806542 FDSN GE -- BUD iLoc HHN ??? _
ET1H 0.95 224.8 Lg 12:16:05.177 0.5 T__ ___ 806543 FDSN HU -- BUD iLoc HHN ??? _

```

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/06	15:36:58.18	0.99	0.69	47.8505	16.0602	8.1	3.3	45	0.0f		9	6	161	0.15	0.70	sx	BUD	19000062	BUD			216

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
CONA	0.15	300.3	Pg	15:37:00.887	-0.6					T__		104.5		---	ML	0.7	806563	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.15	300.3	Lg	15:37:03.517	-0.4					T__				---		806564	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.7 magdef=1)																									
(Station ML: 0.7 magdef=0)																									
RONA	0.22	133.4	Pg	15:37:02.598	-0.3					T__				---		806567	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.22	133.4	Lg	15:37:06.468	0.3					T__				---		806568	FDSN	OE	--	BUD	iLoc	HHN	???	_	
A011B	0.45	188.9	Lg	15:37:12.947	0.2					T__				---		806570	FDSN	Z3	00	BUD	iLoc	HH2	???	_	
A013A	0.49	296.1	Pg	15:37:07.751	0.1					T__		80.4		---	ML	1.6	806566	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A013A	0.49	296.1	Lg	15:37:15.363	1.4					T__				---		806565	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=0)																									
A008A	0.59	332.3	Lg	15:37:17.950	0.5					T__				---		806569	FDSN	Z3	00	BUD	iLoc	HH2	???	_	
ARSA	0.70	211.4	Lg	15:37:20.826	0.2					T__				---		806571	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/07	19:00:51.56	2.21	0.74	45.5662	16.0499	14.2	8.4	162	5.0f		14	9	167	0.26	1.92	ke	BUD	19000064	BUD			232

Magnitude Err Nsta Author OrigID  
ML 1.8 0.1 5 BUD 19000064

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ZAG	0.26	350.4	Pg	19:00:57.008	0.1					T__		601.2		---	ML	1.8	806616	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.26	350.4	Lg	19:01:01.498	0.7					T__				---		806617	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
PTJ	0.35	350.5	Pg	19:00:57.928	-0.8					T__		106.6		---	ML	1.3	806619	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.35	350.5	Lg	19:01:03.423	-0.7					T__				---		806618	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=0)																									
CRES	0.49	302.2	Pg	19:01:00.942	-0.2					T__		55.2		---	ML	1.4	806620	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.49	302.2	Lg	19:01:08.620	0.3					T__				---		806622	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
KOGS	0.89	8.9	Pg	19:01:09.431	0.6					T__		82.5		---	ML	1.9	806621	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.89	8.9	Sn	19:01:22.861	-0.8					T__				---		806623	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
BEHE	1.04	29.0	Pn	19:01:12.598	0.4					T__		126.5		---	ML	2.2	806626	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BEHE	1.04	29.0	Sn	19:01:27.737	0.6					T__				---		806625	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=0)																									
BLY	1.15	135.1	Sn	19:01:29.105	-1.2					T__				---		806624	FDSN	MN	--	BUD	iLoc	HHN	???	_	
OBKA	1.41	312.6	Lg	19:01:38.000	1.0					T__				---		806627	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KOVH	1.53	69.3	Sn	19:01:39.112	0.3					T__				---		806628	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MORH	1.92	69.4	Lg	19:01:52.797	-0.5					T__				---		806629	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/08	06:46:59.93	1.47	1.53	45.9109	21.5242	11.2	6.8	158	15.0f	11	7	103	0.30	1.65	ke	BUD	19000066	BUD				163

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.1	3 BUD	19000066

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
BZS	0.30	167.6	Pg	06:47:06.491	0.1					T__		306.0		---	ML	1.6	806680	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.30	167.6	Lg	06:47:11.065	-0.0					T__				---		806681	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
DEV	0.96	91.1	Lg	06:47:30.582	-0.6					T__				---		806686	FDSN	RO	--	BUD	iLoc	HHN	???	_	
GZR	1.02	120.1	Pn	06:47:19.491	0.4					T__		109.5		---	ML	2.1	806682	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	1.02	120.1	Lg	06:47:33.040	-0.2					T__				---		806683	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
HU14A	1.14	298.6	Sn	06:47:38.446	2.7					T__				---		806685	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
DRGR	1.20	42.6	Pn	06:47:22.166	0.7					T__		70.1		---	ML	2.0	806678	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	1.20	42.6	Sn	06:47:37.248	-0.9					T__				---		806684	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
FRGS	1.42	238.6	Sn	06:47:45.776	2.7					T__				---		806687	FDSN	SJ	--	BUD	iLoc	BHE	???	_	
FRGS	1.42	238.6	Lg	06:47:48.168	-1.0					T__				---		806688	FDSN	SJ	--	BUD	iLoc	BHE	???	_	
CJR	1.65	60.1	Lg	06:47:52.732	-0.9					T__				---		806679	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/08	14:12:18.85	2.84	0.23	45.7682	17.9602	22.8	6.8	176	15.0f	6	3	279	0.18	0.65	ke	BUD	19000068	BUD				330

Magnitude	Err	Nsta	Author	OrigID
ML	1.2	0.1	3 BUD	19000068

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
A273A	0.18	325.8	Pg	14:12:23.390	-0.0					T__		247.7		---	ML	1.2	806724	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A273A	0.18	325.8	Lg	14:12:26.622	0.1					T__				---		806725	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
KOVH	0.33	16.9	Pg	14:12:26.220	0.1					T__		99.0		---	ML	1.2	806723	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.33	16.9	Lg	14:12:31.068	-0.1					T__				---		806726	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
MORH	0.65	46.6	Pg	14:12:31.877	0.1					T__		136.8		---	ML	2.0	806728	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.65	46.6	Lg	14:12:41.086	-0.4					T__				---		806727	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/08	20:36:39.39	1.11	1.63	48.8319	21.8791	9.6	4.7	144	0.0f	7	4	128	0.28	1.19	sx	BUD	19000072	BUD				209

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOLS	0.28	68.5	Pg	20:36:44.753	-0.3					T__						806848	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.28	68.5	Lg	20:36:50.486	0.6					T__						806853	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ABAH	0.68	218.6	Pg	20:36:53.234	0.2					T__		52.8		---	ML	1.6	806850	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.68	218.6	Lg	20:37:01.835	-2.5					T__						806849	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=0)																									
TRPA	0.83	147.7	Pg	20:36:56.293	0.8					T__		60.2		---	ML	1.7	806851	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.83	147.7	Lg	20:37:07.650	-1.5					T__						806854	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=0)																									
NIE	1.19	300.1	Lg	20:37:20.184	1.0					T__						806852	FDSN	PL	--	BUD	iLoc	BHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/09	12:02:18.62	1.51	0.30	47.9026	16.0870	12.7	4.1	34	0.0f		6	4	225	0.15	0.76	sx	BUD	19000074	BUD			294

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.15	279.7	Pg	12:02:21.929	0.0					T__		137.0		---	ML	0.9	806872	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.15	279.7	Lg	12:02:24.324	0.0					T__						806874	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=0)																									
RONA	0.25	145.1	Pg	12:02:24.032	0.2					T__						806876	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.25	145.1	Lg	12:02:26.990	-0.5					T__						806875	FDSN	OE	--	BUD	iLoc	HHN	???	_	
AO11B	0.50	190.0	Lg	12:02:34.805	-0.1					T__						806877	FDSN	Z3	00	BUD	iLoc	HH2	???	_	
ARSA	0.76	210.5	Lg	12:02:42.836	0.1					T__						806873	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/01/09	20:36:25.95	1.53	1.09	45.8379	16.0499	11.4	4.6	169	0.2		2.8	30	20	112	0.05	2.27	ke	BUD	19000078	BUD			170

Magnitude Err Nsta Author OrigID  
ML 2.5 0.2 13 BUD 19000078

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ZAG	0.05	256.1	Pg	20:36:28.064	0.9					T__		36669.7		---	ML	3.0	807228	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.05	256.1	Lg	20:36:29.148	1.0					T__						807229	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 3.0 magdef=1)																									
(Station ML: 3.0 magdef=0)																									
PTJ	0.09	320.4	Pg	20:36:27.489	-0.8					T__		7586.6		---	ML	2.4	807226	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.09	320.4	Lg	20:36:28.822	-1.5					T__						807227	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=1)																									
CRES	0.41	268.6	Pg	20:36:33.958	-0.1					T__		326.1		---	ML	2.0	807230	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.41	268.6	Lg	20:36:40.180	0.0					T__						807231	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=0)																									
KOGS	0.63	12.8	Pg	20:36:37.358	-1.2					T__		376.8		---	ML	2.4	807222	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 2.4 magdef=1)																									

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(Station ML: 2.4 magdef=1
BEHE 0.81 38.3 Pg 20:36:42.398 -0.0 T__ 751.6 ___ ML 2.8 807220 FDSN HU -- BUD iLoc HHZ HHZ _
BEHE 0.81 38.3 Lg 20:36:54.777 1.3 T__ ___ 807221 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 2.8 magdef=1
(Station ML: 2.8 magdef=1
A264A 0.92 69.1 Pg 20:36:44.096 -0.6 T__ 342.6 ___ ML 2.5 807225 FDSN Z6 00 BUD iLoc HHZ HHZ _
A264A 0.92 69.1 Lg 20:36:57.370 0.4 T__ ___ 807224 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=1
A262A 1.08 17.7 Pn 20:36:47.720 0.1 T__ 370.7 ___ ML 2.7 807232 FDSN Z6 00 BUD iLoc HHZ HHZ _
A262A 1.08 17.7 Sn 20:37:02.720 -0.5 T__ ___ 807233 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.7 magdef=1
(Station ML: 2.7 magdef=1
A263A 1.19 47.1 Sn 20:37:05.149 -0.7 T__ ___ 807223 FDSN Z6 00 BUD iLoc HHN ??? _
A273A 1.24 85.7 Sn 20:37:07.255 0.4 T__ ___ 807236 FDSN Z6 00 BUD iLoc HHN ??? _
OBKA 1.24 303.3 Pg 20:36:49.435 -0.1 T__ 210.2 ___ ML 2.5 807235 FDSN OE -- BUD iLoc HHZ HHZ _
OBKA 1.24 303.3 Lg 20:37:05.686 -0.3 T__ ___ 807234 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=1
A265A 1.35 63.6 Sn 20:37:10.379 0.8 T__ ___ 807237 FDSN Z6 00 BUD iLoc HHN ??? _
BLY 1.35 143.3 Sn 20:37:10.311 -0.2 T__ ___ 807238 FDSN MN -- BUD iLoc HHN ??? _
ARSA 1.46 345.8 Pg 20:36:53.162 -0.3 T__ 123.0 ___ ML 2.4 807240 FDSN OE -- BUD iLoc HHZ HHZ _
ARSA 1.46 345.8 Sn 20:37:10.325 -2.3 T__ ___ 807239 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=1
AO11B 1.57 357.7 Pn 20:36:54.815 0.2 T__ 97.4 ___ ML 2.4 807241 FDSN Z3 00 BUD iLoc HHZ HHZ _
AO11B 1.57 357.7 Sn 20:37:14.097 -1.2 T__ ___ 807242 FDSN Z3 00 BUD iLoc HH2 ??? _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=0
EGYH 1.81 28.8 Lg 20:37:27.578 2.5 T__ ___ 807243 FDSN HU -- BUD iLoc HHN ??? _
MORH 1.85 77.3 Lg 20:37:24.993 -0.8 T__ ___ 807245 FDSN HU -- BUD iLoc HHN ??? _
RONA 1.87 5.1 Lg 20:37:26.737 0.1 T__ ___ 807244 FDSN OE -- BUD iLoc HHN ??? _
AO18A 2.02 341.0 Pn 20:37:01.733 0.7 T__ 105.8 ___ ML 2.6 807246 FDSN Z3 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.6 magdef=1
(Station ML: 2.6 magdef=1
CONA 2.10 356.5 Pg 20:37:05.968 0.6 T__ 101.9 ___ ML 2.7 807248 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 2.10 356.5 Lg 20:37:34.818 1.3 T__ ___ 807247 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 2.7 magdef=1
(Station ML: 2.7 magdef=1
AO13A 2.27 349.0 Pg 20:37:10.283 2.3 T__ 136.0 ___ ML 2.9 807249 FDSN Z3 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.9 magdef=1
(Station ML: 2.9 magdef=0

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/01/10 08:39:14.59 1.05 0.86 47.3425 18.3770 6.7 4.1 83 0.0f 14 10 108 0.08 1.27 sx BUD 19000080 BUD 109

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Magnitude Err Nsta Author OrigID
ML 1.9 0.1 4 BUD 19000080

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CSKK 0.08 284.6 Pg 08:39:16.657 -0.2 T__ 3207.4 ___ ML 2.0 807300 FDSN HU -- BUD iLoc HHZ HHZ _
CSKK 0.08 284.6 Lg 08:39:18.884 -0.3 T__ ___ 807307 FDSN HU -- BUD iLoc HHN ??? _

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(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
HU09A 0.30 0.7 Lg 08:39:25.992 -0.5 T__ --- 807308 FDSN Z6 00 BUD iLoc HHN ??? _
A267A 0.40 169.7 Lg 08:39:29.908 -0.0 T__ --- 807309 FDSN Z6 00 BUD iLoc HHN ??? _
SR0 0.47 354.8 Lg 08:39:33.419 0.8 T__ --- 807306 FDSN SK -- BUD iLoc EHN ??? _
MPLH 0.60 253.5 Pg 08:39:27.343 0.5 T__ 81.9 --- ML 1.7 807301 FDSN HU -- BUD iLoc HHZ HHZ _
MPLH 0.60 253.5 Lg 08:39:36.071 0.1 T__ --- 807310 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
MORH 1.14 170.7 Lg 08:39:53.490 -0.4 T__ --- 807302 FDSN HU -- BUD iLoc HHN ??? _
ET1H 1.14 61.5 Pn 08:39:37.130 0.4 T__ 54.9 --- ML 1.9 807304 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 1.14 61.5 Sn 08:39:53.928 -0.4 T__ --- 807303 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
PSZ 1.18 60.1 Pn 08:39:37.657 0.2 T__ 54.0 --- ML 1.9 807312 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 1.18 60.1 Sn 08:39:53.214 -2.4 T__ --- 807311 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
KOVH 1.27 188.7 Sn 08:39:57.799 0.8 T__ --- 807305 FDSN HU -- BUD iLoc HHN ??? _
MODS 1.27 324.7 Sn 08:39:57.633 -0.2 T__ --- 807313 FDSN SK -- BUD iLoc HHN ??? _

```

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/10	10:14:15.30	1.11	1.54	48.8609	21.0894	7.5	5.5	132	0.0f		11	7	126	0.57	1.27	sx	BUD	19000082	BUD			223

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.2	3 BUD	19000082

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ABAH	0.57	169.9	Pg	10:14:27.498	0.7					T__		77.4		---	ML	1.7	807366	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.57	169.9	Lg	10:14:36.482	0.1					T__				---		807365	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=1																									
NIE	0.76	317.4	Lg	10:14:39.987	-0.6					T__				---		807371	FDSN	PL	--	BUD	iLoc	BHN	???	_	
KOLS	0.78	84.3	Pg	10:14:31.004	0.7					T__				---		807364	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.78	84.3	Lg	10:14:41.192	-1.7					T__				---		807372	FDSN	SK	--	BUD	iLoc	HHN	???	_	
HU02A	0.83	207.1	Pg	10:14:32.903	0.5					T__	43.3			---	ML	1.6	807367	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.83	207.1	Lg	10:14:43.566	-1.6					T__				---		807368	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=1																									
TRPA	1.21	126.6	Pn	10:14:36.701	-1.7					T__	65.4			---	ML	2.0	807362	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	1.21	126.6	Lg	10:14:53.937	-2.8					T__				---		807363	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1 (Station ML: 2.0 magdef=1																									
PSZ	1.23	220.6	Sn	10:14:56.932	-0.9					T__				---		807369	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	1.27	220.0	Sn	10:14:58.831	0.6					T__				---		807370	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/11	09:42:30.54	0.92	1.06	48.0054	20.3510	5.9	3.0	134	0.0f		11	6	126	0.17	0.66	sx	BUD	19000092	BUD			185

Magnitude	Err	Nsta	Author	OrigID

ML 1.2 0.3 4 BUD 19000092

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
HU02A	0.17	44.9	Pg	09:42:34.565	0.1					T__						807596	FDSN	Z6	00	BUD	iLoc	HHZ	???	_
HU02A	0.17	44.9	Lg	09:42:37.911	0.1					T__						807597	FDSN	Z6	00	BUD	iLoc	HHN	???	_
PSZ	0.32	254.3	Pg	09:42:38.052	0.3					T__		67.0			ML 1.0	807601	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.32	254.3	Lg	09:42:42.193	-1.1					T__						807598	FDSN	GE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.0 magdef=1)																								
(Station ML: 1.0 magdef=1)																								
ET1H	0.35	248.8	Pg	09:42:38.478	0.3					T__		51.7			ML 1.0	807595	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.35	248.8	Lg	09:42:42.990	-0.8					T__						807599	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.0 magdef=1)																								
(Station ML: 1.0 magdef=1)																								
HU23A	0.37	190.6	Pg	09:42:39.369	0.6					T__		322.1			ML 1.8	807604	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.37	190.6	Lg	09:42:44.888	0.0					T__						807600	FDSN	Z6	00	BUD	iLoc	HHE	???	_
(Reading ML: 1.8 magdef=1)																								
(Station ML: 1.8 magdef=1)																								
JOS	0.51	14.3	Pg	09:42:41.744	1.0					T__		53.0			ML 1.4	807602	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.51	14.3	Lg	09:42:48.730	0.1					T__						807605	FDSN	Z6	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.4 magdef=1)																								
(Station ML: 1.4 magdef=1)																								
ABAH	0.66	63.6	Lg	09:42:52.634	-2.4					T__						807603	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/11	10:25:45.14	1.86	0.45	48.5664	20.8345	12.0	6.4	19	0.0f		10	6	157	0.21	0.94	sx	BUD	19000094	BUD			244

Magnitude Err Nsta Author OrigID  
ML 1.6 0.3 5 BUD 19000094

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
JOS	0.21	250.3	Pg	10:25:49.443	-0.1					T__		259.1			ML 1.3	807649	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.21	250.3	Lg	10:25:53.024	0.1					T__						807650	FDSN	Z6	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.3 magdef=1)																								
(Station ML: 1.3 magdef=0)																								
ABAH	0.38	134.9	Lg	10:25:59.615	-0.1					T__						807651	FDSN	HU	--	BUD	iLoc	HHN	???	_
HU02A	0.49	205.0	Pg	10:25:55.517	0.0					T__		43.0			ML 1.3	807653	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.49	205.0	Lg	10:26:03.867	0.5					T__						807652	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.3 magdef=1)																								
(Station ML: 1.3 magdef=1)																								
PSZ	0.90	224.5	Pn	10:26:03.732	-0.4					T__		59.1			ML 1.8	807655	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.90	224.5	Lg	10:26:17.246	-0.4					T__						807656	FDSN	GE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1)																								
(Station ML: 1.8 magdef=0)																								
NIE	0.92	337.7	Pn	10:26:05.423	0.9					T__		35.8			ML 1.6	807654	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.6 magdef=1)																								
(Station ML: 1.6 magdef=1)																								
ET1H	0.94	223.5	Pn	10:26:04.404	-0.1					T__		53.6			ML 1.8	807657	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.94	223.5	Lg	10:26:18.517	-0.1					T__						807658	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1)																								
(Station ML: 1.8 magdef=1)																								

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/01/11	10:30:01.38	0.87	1.22	48.4180	17.3005	5.2	2.6	101	0.0f	30	19	119	0.05	1.67	sx	BUD	19000096	BUD				141		
Magnitude	Err	Nsta	Author	OrigID																				
ML	2.1	0.2	10	BUD	19000096																			
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
MODS	0.05	199.2	Pg	10:30:02.736	-0.3					T__						807757	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.05	199.2	Lg	10:30:04.233	-0.4					T__						807758	FDSN	SK	--	BUD	iLoc	HHN	???	_
ZST	0.26	210.8	Pg	10:30:06.158	-0.9					T__						807760	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.26	210.8	Lg	10:30:10.477	-1.1					T__						807759	FDSN	SK	--	BUD	iLoc	HHN	???	_
JAVC	0.51	28.9	Pg	10:30:12.145	0.1					T__		383.6				807761	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.51	28.9	Lg	10:30:19.800	-0.4					T__						807777	FDSN	CZ	--	BUD	iLoc	HHN	???	_
				(Reading ML: 2.3 magdef=1 Station ML: 2.3 magdef=0)																				
A001A	0.56	303.7	Pg	10:30:14.240	1.5					T__		194.7				807762	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.1 magdef=1 Station ML: 2.1 magdef=1)																				
A003A	0.68	194.2	Lg	10:30:26.783	1.6					T__						807776	FDSN	Z3	00	BUD	iLoc	HH2	???	_
KRUC	0.88	317.4	Pg	10:30:19.030	0.8					T__		85.2				807763	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	0.88	317.4	Lg	10:30:29.850	-1.4					T__						807779	FDSN	CZ	--	BUD	iLoc	HHN	???	_
				(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=0)																				
RONA	0.99	223.5	Pg	10:30:21.511	0.6					T__						807764	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.99	223.5	Lg	10:30:35.409	1.6					T__						807765	FDSN	OE	--	BUD	iLoc	HHN	???	_
EGYH	1.00	178.8	Lg	10:30:36.641	0.8					T__						807778	FDSN	HU	--	BUD	iLoc	HHN	???	_
VRAC	1.01	332.6	Pg	10:30:21.083	0.6					T__		33.1				807769	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
VRAC	1.01	332.6	Lg	10:30:32.202	-3.0					T__						807770	FDSN	CZ	--	BUD	iLoc	HHN	???	_
				(Reading ML: 1.6 magdef=1 Station ML: 1.6 magdef=0)																				
HU08A	1.07	156.8	Sn	10:30:39.044	-0.4					T__						807766	FDSN	Z6	00	BUD	iLoc	HHN	???	_
CONA	1.08	243.6	Pg	10:30:20.655	-2.0					T__		85.7				807768	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	1.08	243.6	Lg	10:30:38.360	1.7					T__						807767	FDSN	OE	--	BUD	iLoc	HHN	???	_
				(Reading ML: 2.0 magdef=1 Station ML: 2.0 magdef=1)																				
CSKK	1.24	148.2	Sn	10:30:44.830	1.1					T__						807780	FDSN	HU	--	BUD	iLoc	HHN	???	_
MPLH	1.26	172.6	Sn	10:30:44.229	0.3					T__						807781	FDSN	HU	--	BUD	iLoc	HHE	???	_
A013A	1.31	255.1	Pg	10:30:25.445	-1.3					T__		105.8				807772	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A013A	1.31	255.1	Lg	10:30:43.406	-0.3					T__						807771	FDSN	Z3	00	BUD	iLoc	HHN	???	_
				(Reading ML: 2.3 magdef=1 Station ML: 2.3 magdef=1)																				
A011B	1.35	222.3	Pn	10:30:27.156	0.1					T__		55.6				807773	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A011B	1.35	222.3	Lg	10:30:46.400	1.7					T__						807774	FDSN	Z3	00	BUD	iLoc	HH2	???	_
				(Reading ML: 2.0 magdef=1 Station ML: 2.0 magdef=1)																				
MORC	1.37	6.6	Pg	10:30:27.156	0.3					T__		81.6				807775	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.2 magdef=1 Station ML: 2.2 magdef=1)																				
TREC	1.48	306.9	Lg	10:30:47.716	-1.8					T__						807782	FDSN	CZ	--	BUD	iLoc	HHE	???	_
A018A	1.64	246.5	Pn	10:30:30.641	-0.6					T__		71.8				807784	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A018A	1.64	246.5	Sn	10:30:53.127	0.1					T__						807783	FDSN	Z3	00	BUD	iLoc	HHE	???	_
				(Reading ML: 2.3 magdef=1 Station ML: 2.3 magdef=0)																				

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ARSA 1.67 226.4 Pn 10:30:31.964 0.4 T__ 65.5 ___ ML 2.2 807786 FDSN OE -- BUD iLoc HHZ HHZ _
ARSA 1.67 226.4 Sn 10:30:54.209 0.4 T__ ___ 807785 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/01/11 11:00:02.87 1.14 1.07 48.1092 16.9973 9.9 4.2 143 0.0f 11 7 190 0.11 1.07 sx BUD 19000098 BUD 218

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
ZST 0.11 39.0 Pg 11:00:06.029 0.3 T__ ___ 807830 FDSN SK -- BUD iLoc HHZ ??? _
ZST 0.11 39.0 Lg 11:00:08.275 0.0 T__ ___ 807829 FDSN SK -- BUD iLoc HHN ??? _
MODS 0.32 35.2 Pg 11:00:09.600 -0.3 T__ ___ 807827 FDSN SK -- BUD iLoc HHZ ??? _
MODS 0.32 35.2 Lg 11:00:14.305 -1.3 T__ ___ 807828 FDSN SK -- BUD iLoc HHN ??? _
RONA 0.62 229.3 Lg 11:00:22.418 -1.3 T__ ___ 807834 FDSN OE -- BUD iLoc HHN ??? _
CONA 0.78 257.1 Lg 11:00:29.236 0.6 T__ ___ 807835 FDSN OE -- BUD iLoc HHN ??? _
JAVC 0.87 30.6 Pg 11:00:22.665 1.9 T__ 96.9 ___ ML 2.0 807831 FDSN CZ -- BUD iLoc HHZ HHZ _
JAVC 0.87 30.6 Lg 11:00:33.570 -0.7 T__ ___ 807836 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=0
KRUC 1.03 337.5 Pg 11:00:22.922 0.2 T__ 58.2 ___ ML 1.8 807833 FDSN CZ -- BUD iLoc HHZ HHZ _
KRUC 1.03 337.5 Lg 11:00:36.949 -1.0 T__ ___ 807832 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=0
A013A 1.07 268.1 Lg 11:00:37.179 -0.1 T__ ___ 807837 FDSN Z3 00 BUD iLoc HHN ??? _

```

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/01/11 12:20:54.18 1.59 0.91 47.8906 16.0984 13.2 5.5 39 0.0f 7 6 135 0.16 1.19 sx BUD 19000100 BUD 214

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CONA 0.16 283.4 Pg 12:20:57.284 -0.4 T__ 152.1 ___ ML 0.9 807856 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.16 283.4 Lg 12:20:59.893 -0.3 T__ ___ 807862 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=0
RONA 0.23 145.0 Lg 12:21:03.079 0.5 T__ ___ 807857 FDSN OE -- BUD iLoc HHN ??? _
A013A 0.50 290.7 Lg 12:21:11.076 0.8 T__ ___ 807861 FDSN Z3 00 BUD iLoc HHN ??? _
A018A 0.70 258.3 Lg 12:21:18.049 1.4 T__ ___ 807860 FDSN Z3 00 BUD iLoc HHN ??? _
ARSA 0.75 211.5 Lg 12:21:17.662 -0.5 T__ ___ 807858 FDSN OE -- BUD iLoc HHN ??? _
KRUC 1.19 9.5 Sn 12:21:34.340 -0.1 T__ ___ 807859 FDSN CZ -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/01/11 12:23:58.02 1.22 1.26 47.8802 20.0888 8.8 4.3 148 0.0f 9 6 149 0.14 0.88 sx BUD 19000102 BUD 208

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Magnitude Err Nsta Author OrigID  
ML 1.5 0.0 3 BUD 19000102

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
PSZ	0.14	286.4	Pg	12:24:01.143	-0.4					T__		655.6		---	ML	1.5	807883	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.14	286.4	Lg	12:24:04.522	-0.0					T__				---		807891	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
ET1H	0.15	269.6	Pg	12:24:01.272	-0.3					T__		570.7		---	ML	1.5	807885	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.15	269.6	Lg	12:24:04.736	0.3					T__				---		807884	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
HU03A	0.33	274.3	Lg	12:24:11.394	0.8					T__				---		807886	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU01A	0.62	210.8	Lg	12:24:21.668	0.5					T__				---		807887	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
JOS	0.69	25.9	Pg	12:24:13.214	1.4					T__		58.8		---	ML	1.7	807889	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.69	25.9	Lg	12:24:21.767	-0.5					T__				---		807888	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
ABAH	0.88	61.2	Lg	12:24:27.139	-2.4					T__				---		807890	FDSN	HU	--	BUD	iLoc	HHE	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/11	12:32:12.91	1.64	1.32	47.9361	16.1380	12.6	4.1	35	0.0f		10	8	147	0.19	1.43	sx	BUD	19000104	BUD			184

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
CONA	0.19	267.7	Pg	12:32:16.250	-0.6					T__		150.0		---	ML	1.0	807915	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.19	267.7	Lg	12:32:18.945	-0.7					T__				---		807916	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=0)																									
RONA	0.26	155.7	Pg	12:32:18.282	-0.1					T__				---		807917	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.26	155.7	Lg	12:32:21.917	-0.2					T__				---		807921	FDSN	OE	--	BUD	iLoc	HHN	???	_	
A013A	0.51	284.8	Lg	12:32:30.347	1.0					T__				---		807920	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
A011B	0.54	193.0	Lg	12:32:30.640	0.2					T__				---		807922	FDSN	Z3	00	BUD	iLoc	HH2	???	_	
A018A	0.74	255.3	Lg	12:32:38.528	2.0					T__				---		807923	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
ARSA	0.80	211.5	Lg	12:32:38.617	0.1					T__				---		807918	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.14	8.5	Sn	12:32:53.243	1.3					T__				---		807919	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
TREC	1.43	342.6	Sn	12:33:01.034	2.2					T__				---		807924	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/12	01:04:46.80	0.99	0.90	45.5025	16.4542	6.5	4.3	45	5.0f		22	14	149	0.46	1.86	ke	BUD	19000108	BUD			229

Magnitude Err Nsta Author OrigID  
ML 2.2 0.4 9 BUD 19000108

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ZAG	0.46	314.9	Pg	01:04:56.142	0.2					T__		431.0		---	ML	2.2	808017	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.46	314.9	Lg	01:05:02.835	0.5					T__				---		808018	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
PTJ	0.53	320.1	Pg	01:04:56.771	-0.7					T__		126.9		---	ML	1.9	808020	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.53	320.1	Lg	01:05:03.785	-1.4					T__				---		808019	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.9 magdef=1)																									

(Station ML: 1.9 magdef=1	CRES	0.77	295.2	Pg	01:05:02.491	0.8	T__	69.0	---	ML	1.8	808021	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.8 magdef=1																				
(Station ML: 1.8 magdef=0	A264A	0.88	41.3	Pg	01:05:03.601	-0.4	T__	165.7	---	ML	2.2	808022	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A264A	0.88	41.3	Lg	01:05:15.939	0.2	T__			---			808023	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.2 magdef=1																				
(Station ML: 2.2 magdef=1	BLY	0.91	145.3	Pg	01:05:03.816	-0.5	T__	72.1	---	ML	1.9	808015	FDSN	MN	--	BUD	iLoc	HHZ	HHZ	_
BLY	0.91	145.3	Lg	01:05:16.977	0.8	T__			---			808016	FDSN	MN	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1																				
(Station ML: 1.9 magdef=1	KOGS	0.96	351.5	Pg	01:05:04.811	-0.4	T__	79.9	---	ML	1.9	808024	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.96	351.5	Lg	01:05:17.886	0.2	T__			---			808014	FDSN	SL	--	BUD	iLoc	BHN	???	_
(Reading ML: 1.9 magdef=1																				
(Station ML: 1.9 magdef=1	BEHE	0.99	12.9	Pg	01:05:05.570	-0.5	T__	145.7	---	ML	2.2	808012	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BEHE	0.99	12.9	Lg	01:05:20.302	0.9	T__			---			808013	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.2 magdef=1																				
(Station ML: 2.2 magdef=1	A273A	1.04	66.1	Lg	01:05:21.459	0.8	T__					808025	FDSN	Z6	00	BUD	iLoc	HHN	???	_
A265A	1.31	44.9	Sn	01:05:29.251	0.6	T__						808026	FDSN	Z6	00	BUD	iLoc	HHN	???	_
A262A	1.36	2.1	Pg	01:05:13.617	1.0	T__	161.9		---	ML	2.5	808028	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A262A	1.36	2.1	Lg	01:05:31.579	0.8	T__			---			808027	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.5 magdef=1																				
(Station ML: 2.5 magdef=0	A266A	1.62	50.3	Lg	01:05:39.587	0.5	T__					808031	FDSN	Z6	00	BUD	iLoc	HHN	???	_
OBKA	1.67	307.9	Pg	01:05:18.911	1.6	T__	106.0		---	ML	2.5	808030	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
OBKA	1.67	307.9	Lg	01:05:39.524	-1.0	T__			---			808029	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.5 magdef=1																				
(Station ML: 2.5 magdef=1	MORH	1.69	64.2	Sn	01:05:39.338	1.5	T__					808032	FDSN	HU	--	BUD	iLoc	HHN	???	_
ARSA	1.86	340.1	Lg	01:05:45.385	-0.5	T__			---			808033	FDSN	OE	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/13	11:11:09.24	1.04	1.02	48.1440	21.3471	6.1	5.0	28	0.0f		11	8	118	0.17	1.20	sx	BUD	19000118	BUD			171

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.2	3 BUD	19000118

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ABAH	0.17	334.8	Pg	11:11:13.257	0.1					T__		328.8		---	ML	1.3	808784	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.17	334.8	Lg	11:11:16.806	0.2					T__				---		808785	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1																									
(Station ML: 1.3 magdef=1	HU11A	0.25	208.8	Lg	11:11:20.643	1.1				T__				---		808790	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
JOS	0.64	303.4	Pg	11:11:22.290	0.2					T__		59.1		---	ML	1.6	808792	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.64	303.4	Lg	11:11:31.452	-0.5					T__				---		808791	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1																									
(Station ML: 1.6 magdef=1	TRPA	0.80	90.5	Pg	11:11:24.761	-0.1				T__		61.5		---	ML	1.7	808787	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.80	90.5	Lg	11:11:37.334	-1.1					T__				---		808786	FDSN	HU	--	BUD	iLoc	HHN	???	_	

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(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
PSZ 1.00 257.5 Lg 11:11:43.829 -1.5 T__ --- 808793 FDSN GE -- BUD iLoc HHN ??? _
KOLS 1.00 37.6 Lg 11:11:45.972 1.3 T__ --- 808788 FDSN SK -- BUD iLoc HHN ??? _
ET1H 1.03 255.6 Lg 11:11:44.347 -1.4 T__ --- 808789 FDSN HU -- BUD iLoc HHN ??? _
HU03A 1.20 259.1 Sn 11:11:49.973 -0.0 T__ --- 808794 FDSN Z6 00 BUD iLoc HHN ??? _

```

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/01/13 12:01:41.68 1.07 0.81 47.9687 16.6809 7.0 4.6 115 0.0f 9 6 151 0.30 1.11 sx BUD 19000120 BUD 205

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
SOP 0.30 196.2 Pg 12:01:47.765 -0.1 T__ 108.3 --- ML 1.2 808822 FDSN HU -- BUD iLoc HHZ HHZ _
SOP 0.30 196.2 Lg 12:01:52.041 -0.2 T__ --- 808821 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=0
RONA 0.37 224.1 Pg 12:01:50.121 0.8 T__ --- 808819 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.37 224.1 Lg 12:01:53.756 -0.8 T__ --- 808823 FDSN OE -- BUD iLoc HHN ??? _
CONA 0.55 266.1 Pg 12:01:53.285 0.6 T__ 86.4 --- ML 1.7 808818 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.55 266.1 Lg 12:01:58.802 -1.3 T__ --- 808824 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=0
MODS 0.57 44.4 Lg 12:02:02.683 -0.0 T__ --- 808825 FDSN SK -- BUD iLoc HHN ??? _
ARSA 1.06 227.9 Lg 12:02:15.987 0.4 T__ --- 808826 FDSN OE -- BUD iLoc HHN ??? _
KRUC 1.11 350.3 Lg 12:02:18.645 -0.7 T__ --- 808820 FDSN CZ -- BUD iLoc HHE ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/01/15 02:17:03.90 1.45 0.93 48.8549 22.1945 14.1 7.2 40 6.6 14.9 21 12 109 0.09 2.09 ke BUD 19000124 BUD 208

```

Magnitude Err Nsta Author OrigID  
ML 2.1 0.2 8 BUD 19000124

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
KOLS 0.09 33.4 Pg 02:17:05.463 -0.8 T__ _c_ 809207 FDSN SK -- BUD iLoc HHZ ??? _
KOLS 0.09 33.4 Lg 02:17:07.355 -1.0 T__ --- 809209 FDSN SK -- BUD iLoc HHN ??? _
TRPA 0.76 162.3 Pg 02:17:18.752 0.2 T__ 159.2 --- ML 2.1 809205 FDSN HU -- BUD iLoc HHZ HHZ _
TRPA 0.76 162.3 Lg 02:17:29.572 -0.8 T__ --- 809206 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
ABAH 0.85 228.9 Pg 02:17:20.677 0.2 T__ 93.0 --- ML 1.9 809208 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.85 228.9 Lg 02:17:32.865 -0.2 T__ --- 809210 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
HU07A 0.89 192.2 Lg 02:17:34.426 -0.4 T__ --- 809219 FDSN Z6 00 BUD iLoc HHN ??? _
JOS 1.15 252.5 Pn 02:17:25.378 -0.2 T__ 62.7 --- ML 1.9 809220 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 1.15 252.5 Lg 02:17:41.883 -0.5 T__ --- 809221 FDSN Z6 -- BUD iLoc HHE ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
HU11A 1.16 216.7 Pg 02:17:26.210 0.0 T__ 269.9 --- ML 2.6 809222 FDSN Z6 00 BUD iLoc HHZ HHZ _

```

HU11A	1.16	216.7	Lg	02:17:44.764	1.7	T__									809211	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.6 magdef=1)																							
(Station ML: 2.6 magdef=0)																							
HU02A	1.33	237.2	Pn	02:17:28.995	0.9	T__				62.8		ML	2.0	809214	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU02A	1.33	237.2	Sn	02:17:46.681	-0.6	T__									809224	FDSN	Z6	00	BUD	iLoc	HHE	???	_
HU02A	1.33	237.2	Lg	02:17:47.897	-0.9	T__									809213	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.0 magdef=1)																							
(Station ML: 2.0 magdef=1)																							
NIE	1.37	295.1	Pg	02:17:29.856	0.2	T__				44.5		ML	1.9	809223	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_	
NIE	1.37	295.1	Sn	02:17:48.679	0.0	T__									809212	FDSN	PL	--	BUD	iLoc	BHN	???	_
(Reading ML: 1.9 magdef=1)																							
(Station ML: 1.9 magdef=0)																							
BMR	1.47	143.2	Pn	02:17:30.048	-0.2	T__				78.5		ML	2.2	809225	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_	
BMR	1.47	143.2	Sn	02:17:51.076	0.0	T__									809215	FDSN	RO	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.2 magdef=1)																							
(Station ML: 2.2 magdef=1)																							
PSZ	1.80	239.4	Lg	02:18:04.312	0.2	T__									809216	FDSN	GE	--	BUD	iLoc	HHN	???	_
BSZH	2.02	220.4	Sn	02:18:05.181	2.1	T__									809217	FDSN	HU	--	BUD	iLoc	HHN	???	_
DRGR	2.09	170.2	Pg	02:17:45.521	1.7	T__				44.4		ML	2.3	809218	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 2.3 magdef=1)																							
(Station ML: 2.3 magdef=1)																							

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/15	04:43:30.23	1.09	0.75	45.9972	22.0675	8.1	5.1	133	5.0f		9	6	161	0.49	1.31	ke	BUD	19000126	BUD			188

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.2	3 BUD	19000126

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
BZS	0.49	219.8	Pg	04:43:39.729	-0.2					T__		49.3			ML	1.4	809263	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.49	219.8	Lg	04:43:46.828	-0.2					T__						809264	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
GZR	0.78	140.3	Pg	04:43:45.588	0.4					T__		98.8			ML	1.9	809266	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	0.78	140.3	Lg	04:43:55.680	-0.6					T__						809265	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
BANR	0.90	227.1	Lg	04:44:01.047	0.9					T__						809267	FDSN	RO	--	BUD	iLoc	HHN	???	_	
DRGR	0.91	29.0	Pg	04:43:48.538	0.2					T__		62.0			ML	1.8	809261	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	0.91	29.0	Lg	04:44:00.000	-1.2					T__						809262	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
CJR	1.28	55.4	Sn	04:44:12.174	-0.3					T__						809269	FDSN	RO	--	BUD	iLoc	HHN	???	_	
LOT	1.31	114.1	Sn	04:44:12.946	-0.7					T__						809268	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/15	08:58:39.33	1.17	0.95	48.5202	17.3580	9.5	5.3	108	0.0f		5	4	168	0.16	1.16	sx	BUD	19000128	BUD			249

Magnitude	Err	Nsta	Author	OrigID



Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MODS	0.16	200.1	Pg	08:58:42.957	-0.1					T__						809287	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.16	200.1	Lg	08:58:45.908	-0.3					T__						809288	FDSN	SK	--	BUD	iLoc	HHN	???	_
JAVC	0.40	31.3	Lg	08:58:54.782	0.3					T__						809289	FDSN	CZ	--	BUD	iLoc	HHN	???	_
KRUC	0.84	310.8	Lg	08:59:07.184	-0.5					T__						809290	FDSN	CZ	--	BUD	iLoc	HHN	???	_
CONA	1.16	239.9	Lg	08:59:18.389	1.1					T__						809291	FDSN	OE	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/16	01:20:59.01	2.39	3.33	45.8710	18.7170	17.9	8.5	141	8.0f		5	4	164	0.35	1.05	ke	BUD	19000130	BUD			264

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MORH	0.35	351.6	Pg	01:21:05.459	-0.8					T__		37.0		___	ML	0.8	809335	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.35	351.6	Lg	01:21:11.858	0.2					T__				___		809336	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 0.8 magdef=1)																					
				(Station ML: 0.8 magdef=0)																					
KOVH	0.48	297.0	Pg	01:21:08.997	0.1					T__		64.2		___	ML	1.4	809337	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 1.4 magdef=1)																					
				(Station ML: 1.4 magdef=0)																					
HU22A	0.54	32.1	Lg	01:21:20.422	1.8					T__				___		809338	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
FRGS	1.05	132.5	Sn	01:21:29.547	-4.3					T__				___		809339	FDSN	SJ	--	BUD	iLoc	BHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/16	03:05:06.26	1.42	1.06	45.7475	18.8179	9.4	5.4	142	5.0f		21	14	99	0.48	1.92	ke	BUD	19000132	BUD			182

Magnitude Err Nsta Author OrigID  
ML 2.1 0.1 8 BUD 19000132

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MORH	0.48	345.5	Pg	03:05:15.283	-0.7					T__		89.3		___	ML	1.6	809412	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.48	345.5	Lg	03:05:21.765	-1.5					T__				___		809413	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.6 magdef=1)																					
				(Station ML: 1.6 magdef=0)																					
KOVH	0.61	304.5	Pg	03:05:18.609	0.1					T__		57.7		___	ML	1.6	809428	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 1.6 magdef=1)																					
				(Station ML: 1.6 magdef=1)																					
HU22A	0.62	20.5	Pg	03:05:18.734	0.1					T__		188.6		___	ML	2.1	809414	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU22A	0.62	20.5	Lg	03:05:29.023	0.4					T__				___		809417	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.1 magdef=1)																					
				(Station ML: 2.1 magdef=1)																					
A273A	0.72	283.9	Pg	03:05:20.012	-0.5					T__		172.2		___	ML	2.1	809416	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A273A	0.72	283.9	Lg	03:05:30.173	0.1					T__				___		809418	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.1 magdef=1)																					
				(Station ML: 2.1 magdef=1)																					
HU21A	0.86	47.0	Sn	03:05:36.110	-0.7					T__				___		809419	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A266A	0.87	333.9	Pg	03:05:23.892	0.6					T__		172.3		___	ML	2.2	809421	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A266A	0.87	333.9	Lg	03:05:36.929	1.1					T__				___		809420	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.2 magdef=1)																					
				(Station ML: 2.2 magdef=1)																					

FRGS	0.91	129.8	Pn	03:05:24.406	0.2	T__	51.3	___	ML	1.7	809429	FDSN	SJ	--	BUD	iLoc	BHZ	BHZ	_
FRGS	0.91	129.8	Sn	03:05:36.193	-2.2	T__		---			809430	FDSN	SJ	--	BUD	iLoc	BHE	???	_
(Reading ML: 1.7 magdef=1)																			
(Station ML: 1.7 magdef=1)																			
A265A	0.98	313.9	Pg	03:05:26.304	0.9	T__	178.9	___	ML	2.3	809422	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A265A	0.98	313.9	Lg	03:05:39.524	0.4	T__		---			809423	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.3 magdef=1)																			
(Station ML: 2.3 magdef=0)																			
A272A	1.00	5.8	Sn	03:05:39.914	-0.4	T__		---			809415	FDSN	Z6	00	BUD	iLoc	HHN	???	_
A264A	1.14	291.7	Sn	03:05:42.498	-1.1	T__		---			809424	FDSN	Z6	00	BUD	iLoc	HHN	???	_
A267A	1.22	349.1	Sn	03:05:47.403	1.7	T__		---			809431	FDSN	Z6	00	BUD	iLoc	HHE	???	_
TIH	1.32	331.3	Pg	03:05:31.709	0.1	T__	88.1	___	ML	2.2	809432	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TIH	1.32	331.3	Sn	03:05:49.121	1.1	T__		---			809425	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.2 magdef=1)																			
(Station ML: 2.2 magdef=1)																			
BLY	1.53	229.7	Lg	03:05:54.531	-0.5	T__		---			809426	FDSN	MN	--	BUD	iLoc	HHN	???	_
KOGS	1.92	292.3	Lg	03:06:09.099	1.8	T__		---			809427	FDSN	SL	--	BUD	iLoc	BHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/16	08:06:44.43	1.11	0.72	48.0938	20.6552	12.5	3.8	166	0.0f		7	4	185	0.09	0.57		sx BUD	19000136	BUD			320

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.3	3 BUD	19000136

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU02A	0.09	288.1	Pg	08:06:46.926	-0.0					T__		380.0		___	ML	1.1	809492	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.09	288.1	Lg	08:06:49.464	0.3					T__				---		809495	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
ABAH	0.44	62.4	Pg	08:06:53.883	0.4					T__		66.3		___	ML	1.3	809490	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.44	62.4	Lg	08:07:00.054	-1.1					T__				---		809491	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
PSZ	0.54	251.3	Pg	08:06:56.220	0.1					T__		80.0		___	ML	1.7	809493	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.54	251.3	Lg	08:07:05.130	0.4					T__				---		809494	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
ET1H	0.57	248.1	Lg	08:07:04.632	-0.6					T__				---		809496	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/01/16	08:37:28.09	1.16	1.31	47.2475	18.1317	6.9	4.7	35	5.0f		7	4	181	0.15	0.43		ke BUD	19000138	BUD					285

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.5	3 BUD	19000138

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.15	37.1	Pg	08:37:31.928	0.5					T__		1742.8		___	ML	1.9	809519	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.15	37.1	Lg	08:37:33.334	-0.9					T__				---		809520	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									

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HU08A 0.23 322.5 Pg      08:37:33.533  0.5      T__      109.4      ___ ML      1.0 809521      FDSN Z6      00 BUD      iLoc HHZ HHZ _
HU08A 0.23 322.5 Lg      08:37:36.208 -0.8      T__      ___      ___      809524      FDSN Z6      00 BUD      iLoc HHN ??? _
(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=1
A267A 0.38 141.4 Lg      08:37:41.311 -0.9      T__      ___      ___      809525      FDSN Z6      00 BUD      iLoc HHN ??? _
HU09A 0.43 23.4 Pg       08:37:37.970  1.2      T__      130.2      ___ ML      1.6 809523      FDSN Z6      00 BUD      iLoc HHZ HHZ _
HU09A 0.43 23.4 Lg      08:37:42.242 -1.6      T__      ___      ___      809522      FDSN Z6      00 BUD      iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1

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Date      Time      Err      RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/01/16 10:00:51.34 1.01 1.53 48.7212 20.7491 10.1 4.5 67 0.0f 8 5 165 0.54 1.03 sx BUD 19000140 BUD 286

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Magnitude Err Nsta Author OrigID
ML 1.6 0.2 3 BUD 19000140

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
ABAH 0.54 142.3 Pg 10:01:03.031 0.9 T__ 67.8 ___ ML 1.6 809563 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.54 142.3 Lg 10:01:08.983 -2.2 T__ ___ 809564 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
HU02A 0.62 194.1 Lg 10:01:12.535 -1.4 T__ ___ 809567 FDSN Z6 00 BUD iLoc HHN ??? _
NIE 0.76 337.2 Pg 10:01:05.944 0.3 T__ 38.6 ___ ML 1.5 809570 FDSN PL -- BUD iLoc BHZ BHZ _
NIE 0.76 337.2 Lg 10:01:15.603 -0.9 T__ ___ 809568 FDSN PL -- BUD iLoc BHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
PSZ 0.99 215.7 Lg 10:01:26.658 0.0 T__ ___ 809569 FDSN GE -- BUD iLoc HHN ??? _
ET1H 1.03 215.1 Pn 10:01:13.584 1.7 T__ 58.1 ___ ML 1.8 809566 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 1.03 215.1 Sn 10:01:27.644 -0.5 T__ ___ 809565 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1

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Date      Time      Err      RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/01/16 12:22:33.23 0.96 0.59 47.8361 16.0241 7.6 3.8 38 0.0f 9 5 99 0.14 1.25 sx BUD 19000142 BUD 183

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CONA 0.14 310.2 Pg 12:22:36.600 0.3 T__ 94.9 ___ ML 0.7 809595 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.14 310.2 Lg 12:22:38.317 -0.2 T__ ___ 809602 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 0.7 magdef=1
(Station ML: 0.7 magdef=1
RONA 0.23 126.5 Pg 12:22:38.079 -0.0 T__ ___ 809596 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.23 126.5 Lg 12:22:41.914 0.4 T__ ___ 809598 FDSN OE -- BUD iLoc HHN ??? _
ARSA 0.68 210.3 Lg 12:22:54.503 -0.4 T__ ___ 809597 FDSN OE -- BUD iLoc HHN ??? _
MODS 1.00 56.9 Pg 12:22:53.472 0.0 T__ ___ 809599 FDSN SK -- BUD iLoc HHZ ??? _
MODS 1.00 56.9 Sn 12:23:08.298 -0.9 T__ ___ 809603 FDSN SK -- BUD iLoc HHN ??? _
KRUC 1.25 11.2 Pg 12:22:56.638 -0.6 T__ 92.6 ___ ML 2.2 809601 FDSN CZ -- BUD iLoc HHZ HHZ _
KRUC 1.25 11.2 Sn 12:23:14.240 -0.7 T__ ___ 809600 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 2.2 magdef=1

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(Station ML: 2.2 magdef=0)

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/16	12:31:17.24	0.97	0.75	47.8983	16.1009	6.0	4.1	27	0.0f		10	7	87	0.16	1.51	sx	BUD	19000144	BUD			152

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.16	280.6	Pg	12:31:20.411	-0.3					T__		128.0		___	ML	0.9	809626	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.16	280.6	Lg	12:31:23.388	0.2					T__				___		809630	FDSN	OE	--	BUD	iLoc	HNN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=0)																									
RONA	0.24	146.4	Pg	12:31:22.082	-0.2					T__				___		809627	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.24	146.4	Lg	12:31:26.081	0.3					T__				___		809631	FDSN	OE	--	BUD	iLoc	HNN	???	_	
ARSA	0.76	211.3	Lg	12:31:41.856	0.4					T__				___		809628	FDSN	OE	--	BUD	iLoc	HNN	???	_	
MODS	0.92	58.5	Lg	12:31:49.656	-0.5					T__				___		809632	FDSN	SK	--	BUD	iLoc	HNN	???	_	
KRUC	1.18	9.4	Pg	12:31:41.039	1.1					T__		67.3		___	ML	2.0	809629	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.18	9.4	Sn	12:31:57.381	0.1					T__				___		809633	FDSN	CZ	--	BUD	iLoc	HNN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=0)																									
TREC	1.46	344.0	Sn	12:32:05.121	1.3					T__				___		809634	FDSN	CZ	--	BUD	iLoc	HNN	???	_	
CKRC	1.51	308.3	Sn	12:32:06.090	0.5					T__				___		809635	FDSN	CZ	--	BUD	iLoc	HNN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/16	19:58:30.77	0.94	0.73	46.1219	17.0041	5.9	3.5	1	6.9	10.1	32	21	79	0.20	1.82	ke	BUD	19000148	BUD			144

Magnitude	Err	Nsta	Author	OrigID
ML	2.2	0.3	11 BUD	19000148

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
A264A	0.20	79.1	Pg	19:58:34.930	-0.3					T__		773.9		___	ML	1.8	809797	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A264A	0.20	79.1	Lg	19:58:38.892	0.5					T__				___		809798	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=0)																									
BEHE	0.38	335.6	Pg	19:58:38.472	-0.2					T__		576.6		___	ML	2.1	809791	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BEHE	0.38	335.6	Lg	19:58:44.534	0.5					T__				___		809792	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
A263A	0.56	22.4	Pg	19:58:42.051	-0.1					T__		566.3		___	ML	2.6	809796	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A263A	0.56	22.4	Lg	19:58:49.993	0.1					T__				___		809795	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
(Reading ML: 2.6 magdef=1)																									
(Station ML: 2.6 magdef=1)																									
A273A	0.60	109.7	Pg	19:58:42.799	-0.1					T__		499.8		___	ML	2.5	809802	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A273A	0.60	109.7	Lg	19:58:51.892	1.1					T__				___		809801	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
(Reading ML: 2.5 magdef=1)																									
(Station ML: 2.5 magdef=1)																									
KOGS	0.62	302.2	Pg	19:58:43.730	0.8					T__		128.8		___	ML	2.0	809794	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.62	302.2	Lg	19:58:51.089	0.1					T__				___		809793	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									

A265A	0.63	60.8	Pg	19:58:42.790	-0.6	T__	816.7	___	ML	2.8	809803	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A265A	0.63	60.8	Lg	19:58:52.212	0.2	T__		---			809804	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.8 magdef=1)																			
(Station ML: 2.8 magdef=0)																			
PTJ	0.75	253.8	Pg	19:58:45.260	-0.5	T__	175.1	___	ML	2.2	809805	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.75	253.8	Lg	19:58:55.033	-1.4	T__		---			809799	FDSN	CR	--	BUD	iLoc	BHN	???	_
(Reading ML: 2.2 magdef=1)																			
(Station ML: 2.2 magdef=1)																			
A261A	0.84	6.8	Sn	19:58:59.882	-0.4	T__		---			809806	FDSN	Z6	00	BUD	iLoc	HHN	???	_
A266A	0.96	64.7	Pg	19:58:49.679	0.1	T__	303.9	---	ML	2.5	809817	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A266A	0.96	64.7	Sn	19:59:03.670	0.2	T__		---			809808	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.5 magdef=1)																			
(Station ML: 2.5 magdef=1)																			
TIH	0.99	37.9	Pn	19:58:49.117	-0.7	T__	327.4	___	ML	2.6	809800	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TIH	0.99	37.9	Sn	19:59:03.487	-0.7	T__		---			809807	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.6 magdef=1)																			
(Station ML: 2.6 magdef=0)																			
MPLH	1.11	19.2	Sn	19:59:07.935	0.8	T__		---			809811	FDSN	HU	--	BUD	iLoc	HHN	???	_
CRES	1.12	255.2	Pn	19:58:52.288	0.1	T__	99.2	---	ML	2.1	809810	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	1.12	255.2	Sn	19:59:07.388	-0.4	T__		---			809809	FDSN	SL	--	BUD	iLoc	BHN	???	_
(Reading ML: 2.1 magdef=1)																			
(Station ML: 2.1 magdef=1)																			
MORH	1.14	84.7	Pn	19:58:50.661	-1.1	T__	55.2	___	ML	1.9	809818	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	1.14	84.7	Lg	19:59:08.323	0.3	T__		---			809812	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1)																			
(Station ML: 1.9 magdef=0)																			
A267A	1.31	50.5	Lg	19:59:14.527	0.6	T__		---			809813	FDSN	Z6	00	BUD	iLoc	HHN	???	_
BLY	1.38	174.7	Lg	19:59:16.474	2.2	T__		---			809819	FDSN	MN	--	BUD	iLoc	HHN	???	_
HU08A	1.45	25.4	Lg	19:59:19.220	0.6	T__		---			809814	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU22A	1.49	81.3	Lg	19:59:20.304	0.8	T__		---			809816	FDSN	Z6	00	BUD	iLoc	HHN	???	_
A272A	1.49	64.6	Lg	19:59:19.865	0.0	T__		---			809815	FDSN	Z6	00	BUD	iLoc	HHN	???	_
A271A	1.63	50.0	Lg	19:59:24.692	0.2	T__		---			809820	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU09A	1.79	31.4	Lg	19:59:30.028	0.4	T__		---			809821	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU04B	1.82	66.8	Lg	19:59:30.028	-0.5	T__		---			809822	FDSN	Z6	00	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/16	22:40:19.27	1.09	0.11	47.6858	16.4282	25.7	3.9	8	8.0f		5	3	187	0.09	0.45	ke	BUD	19000150	BUD			336

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
SOP	0.09	91.6	Pg	22:40:21.637	-0.1					T__		86.7		___	ML	0.5	809858	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.09	91.6	Lg	22:40:23.577	0.1					T__				---		809859	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.5 magdef=1)																									
(Station ML: 0.5 magdef=0)																									
RONA	0.09	278.9	Pg	22:40:21.792	-0.0					T__				---		809861	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.09	278.9	Lg	22:40:23.764	0.1					T__				---		809860	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.45	302.6	Lg	22:40:34.692	0.0					T__				---		809862	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
------	------	-----	-----	----------	-----------	------	------	----	-------	-----	------	------	-----	-------	-------	------	--------	--------	-----	-------	-----	-----

2023/01/17 08:04:44.17 1.00 1.46 47.3553 18.3847 5.4 3.9 101 0.0f 14 12 108 0.08 1.26 sx BUD 19000152 BUD 110

Magnitude Err Nsta Author OrigID  
ML 2.0 0.1 3 BUD 19000152

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.08	275.3	Pg	08:04:45.630	-0.9					T__		2602.7		---	ML	2.0	809901	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.08	275.3	Lg	08:04:46.908	-2.0					T__				---		809910	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
HU09A	0.28	359.7	Lg	08:04:54.996	-0.6					T__				---		809902	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU08A	0.32	283.8	Lg	08:04:57.391	0.5					T__				---		809911	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A267A	0.41	170.7	Lg	08:04:59.379	-0.5					T__				---		809907	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
SRD	0.46	354.0	Lg	08:05:02.116	0.4					T__				---		809908	FDSN	SK	--	BUD	iLoc	EHN	???	_	
TIH	0.57	216.6	Lg	08:05:05.580	1.2					T__				---		809909	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MPLH	0.60	252.5	Pg	08:04:59.059	2.5					T__		68.8		---	ML	1.7	809903	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
HU10A	0.65	41.0	Lg	08:05:08.767	0.3					T__				---		809912	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ET1H	1.13	61.9	Sn	08:05:23.007	-0.6					T__				---		809904	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MORH	1.15	171.0	Lg	08:05:21.981	-3.0					T__				---		809906	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	1.17	60.6	Pn	08:05:07.056	0.2					T__		69.8		---	ML	2.0	809913	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.17	60.6	Sn	08:05:24.547	-0.4					T__				---		809905	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
MODS	1.26	324.2	Sn	08:05:28.011	0.7					T__				---		809914	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
2023/01/17 08:52:01.89 1.39 1.29 48.4988 17.5517 11.6 3.6 122 0.0f 8 5 214 0.22 1.27 sx BUD 19000154 BUD 280

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.22	235.7	Pg	08:52:06.970	0.1					T__				---		809950	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.22	235.7	Lg	08:52:09.579	-1.4					T__				---		809952	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.37	12.3	Pg	08:52:10.135	0.3					T__		145.1		---	ML	1.5	809951	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.37	12.3	Lg	08:52:15.036	-1.0					T__				---		809956	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=0)																									
KRUC	0.95	306.8	Pg	08:52:21.493	1.4					T__		78.7		---	ML	1.9	809954	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	0.95	306.8	Lg	08:52:32.718	-1.4					T__				---		809957	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=0)																									
RONA	1.16	226.9	Pg	08:52:25.787	0.9					T__				---		809955	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
CONA	1.27	243.8	Lg	08:52:43.787	0.6					T__				---		809953	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
2023/01/17 09:22:25.61 1.49 1.46 46.3019 21.9031 12.6 5.7 119 0.0f 9 5 212 0.71 1.56 sx BUD 19000156 BUD 284

Magnitude Err Nsta Author OrigID

ML 1.9 0.2 4 BUD 19000156

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
BZS	0.71	196.4	Pg	09:22:39.579	-0.0					T__		60.9		---	ML	1.7	809985	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.71	196.4	Lg	09:22:49.843	0.1					T__				---		809984	FDSN	RO	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
DRGR	0.74	48.4	Pg	09:22:41.161	0.6					T__		88.2		---	ML	1.9	809983	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	0.74	48.4	Lg	09:22:49.501	-3.0					T__				---		809982	FDSN	RO	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
DEV	0.81	120.7	Lg	09:22:53.348	0.8					T__				---		809990	FDSN	RO	--	BUD	iLoc	HNN	???	_	
GZR	1.09	145.8	Pg	09:22:46.507	0.1					T__		72.5		---	ML	2.0	809986	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	1.09	145.8	Lg	09:23:00.962	-0.8					T__				---		809987	FDSN	RO	--	BUD	iLoc	HNN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
LOT	1.56	122.6	Pn	09:22:53.948	-0.4					T__		68.8		---	ML	2.2	809989	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
LOT	1.56	122.6	Sn	09:23:14.647	-1.4					T__				---		809988	FDSN	RO	--	BUD	iLoc	HNN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/17	10:59:08.08	2.77	0.97	47.8325	20.1783	26.5	4.2	162	0.0f		9	5	241	0.21	0.71	sx	BUD	19000158	BUD			260

Magnitude Err Nsta Author OrigID  
ML 1.4 0.0 5 BUD 19000158

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
PSZ	0.21	294.3	Pg	10:59:13.353	0.2					T__		271.7		---	ML	1.3	810019	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.21	294.3	Lg	10:59:16.389	-0.8					T__				---		810020	FDSN	GE	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
ET1H	0.21	282.8	Pg	10:59:13.310	0.3					T__		336.5		---	ML	1.4	810022	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.21	282.8	Lg	10:59:15.662	-1.1					T__				---		810021	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
HU02A	0.37	38.7	Pg	10:59:16.186	-0.0					T__		89.4		---	ML	1.3	810023	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.37	38.7	Lg	10:59:21.476	-1.1					T__				---		810026	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=0)																									
HU03A	0.40	280.6	Pg	10:59:16.876	0.3					T__		98.9		---	ML	1.4	810025	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.40	280.6	Lg	10:59:23.376	0.4					T__				---		810027	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
JOS	0.71	19.9	Pg	10:59:23.713	1.5					T__		58.2		---	ML	1.7	810024	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=0)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/18	09:21:15.37	1.03	0.87	46.9953	17.3633	6.5	4.6	144	0.0f		10	9	140	0.15	1.18	sx	BUD	19000164	BUD			165

Magnitude	Err	Nsta	Author	OrigID																																			
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L															
A261A	0.15	253.6	Lg	09:21:21.484	-0.6					T__						810225	FDSN	Z6	00	BUD	iLoc	HHN	???	_															
MPLH	0.21	34.5	Pg	09:21:20.244	-0.0					T__		310.2		---	ML	1.4	810224	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_														
MPLH	0.21	34.5	Lg	09:21:24.734	0.5					T__						810227	FDSN	HU	--	BUD	iLoc	HHN	???	_															
(Reading ML: 1.4 magdef=1)																																							
(Station ML: 1.4 magdef=0)																																							
A263A	0.36	185.4	Lg	09:21:28.732	0.2					T__						810228	FDSN	Z6	00	BUD	iLoc	HHN	???	_															
TIH	0.38	104.5	Lg	09:21:29.354	-0.1					T__						810229	FDSN	HU	--	BUD	iLoc	HHN	???	_															
CSKK	0.71	58.7	Lg	09:21:41.458	-0.4					T__						810230	FDSN	HU	--	BUD	iLoc	HHN	???	_															
A266A	0.78	126.8	Lg	09:21:43.405	0.8					T__						810231	FDSN	Z6	00	BUD	iLoc	HHN	???	_															
KOGS	0.94	234.8	Lg	09:21:47.257	1.1					T__						810232	FDSN	SL	--	BUD	iLoc	BHN	???	_															
KOVH	1.04	150.5	Lg	09:21:49.392	-1.6					T__						810233	FDSN	HU	--	BUD	iLoc	HHN	???	_															
MORH	1.18	131.0	Sn	09:21:55.453	0.3					T__						810226	FDSN	HU	--	BUD	iLoc	HHN	???	_															

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/19	09:50:24.22	1.00	1.70	48.5282	20.7416	5.4	3.8	4	0.0f		13	8	85	0.14	1.26	sx	BUD	19000172	BUD			171

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.2	6 BUD	19000172

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L																
JOS	0.14	256.5	Pg	09:50:26.952	-0.3					T__		203.2		---	ML	1.0	810453	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_															
JOS	0.14	256.5	Lg	09:50:30.449	0.8					T__						810458	FDSN	Z6	--	BUD	iLoc	HHN	???	_																
(Reading ML: 1.0 magdef=1)																																								
(Station ML: 1.0 magdef=0)																																								
ABAH	0.41	124.8	Pg	09:50:32.138	-0.4					T__		66.6		---	ML	1.2	810454	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_															
ABAH	0.41	124.8	Lg	09:50:40.114	0.5					T__						810459	FDSN	HU	--	BUD	iLoc	HHN	???	_																
(Reading ML: 1.2 magdef=1)																																								
(Station ML: 1.2 magdef=1)																																								
HU02A	0.43	199.7	Pg	09:50:35.738	2.3					T__		46.4		---	ML	1.2	810461	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_															
HU02A	0.43	199.7	Lg	09:50:40.742	0.3					T__						810460	FDSN	Z6	00	BUD	iLoc	HHN	???	_																
(Reading ML: 1.2 magdef=1)																																								
(Station ML: 1.2 magdef=1)																																								
PSZ	0.83	223.2	Pg	09:50:41.172	-0.7					T__		53.4		---	ML	1.7	810455	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_															
PSZ	0.83	223.2	Lg	09:50:52.697	-1.7					T__						810462	FDSN	GE	--	BUD	iLoc	HHN	???	_																
(Reading ML: 1.7 magdef=1)																																								
(Station ML: 1.7 magdef=0)																																								
ET1H	0.87	222.2	Pn	09:50:42.434	-0.2					T__		37.4		---	ML	1.6	810456	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_															
ET1H	0.87	222.2	Lg	09:50:52.483	-2.8					T__						810463	FDSN	HU	--	BUD	iLoc	HHN	???	_																
(Reading ML: 1.6 magdef=1)																																								
(Station ML: 1.6 magdef=1)																																								
NIE	0.94	342.1	Pg	09:50:42.990	1.1					T__		26.2		---	ML	1.4	810457	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_															
(Reading ML: 1.4 magdef=1)																																								
(Station ML: 1.4 magdef=1)																																								
KOLS	1.09	67.6	Lg	09:51:00.006	-1.9					T__						810464	FDSN	SK	--	BUD	iLoc	HHN	???	_																
TRPA	1.26	107.7	Sn	09:51:04.599	-2.5					T__						810465	FDSN	HU	--	BUD	iLoc	HHN	???	_																



Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/19	13:01:13.48	0.99	0.53	46.0682	18.1227	5.6	3.9	145	0.0f		9	5	166	0.03	1.17	sx	BUD	19000174	BUD			254

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.4	4 BUD	19000174

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
KOVH	0.03	321.8	Pg	13:01:14.796	0.2					T__		1004.8		___	ML	1.4	810497	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.03	321.8	Lg	13:01:16.063	-0.0					T__				---		810498	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
A273A	0.26	234.7	Pg	13:01:19.030	-0.2					T__		591.1		___	ML	1.8	810500	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A273A	0.26	234.7	Lg	13:01:23.937	0.6					T__				---		810499	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
MORH	0.39	67.8	Pg	13:01:21.778	0.0					T__		59.0		___	ML	1.2	810501	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.39	67.8	Lg	13:01:28.717	0.5					T__				---		810502	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
A266A	0.47	12.1	Lg	13:01:29.859	-1.0					T__				---		810503	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
MPLH	1.17	340.2	Pn	13:01:35.711	-0.3					T__		54.7		---	ML	1.9	810505	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	1.17	340.2	Sn	13:01:53.160	-0.1					T__				---		810504	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/20	08:23:28.77	0.93	0.78	48.5011	20.8044	5.5	4.2	161	0.0f		14	8	85	0.18	1.22	sx	BUD	19000182	BUD			157

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.2	6 BUD	19000182

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
JOS	0.18	268.4	Pg	08:23:31.512	-1.0					T__		342.8		___	ML	1.3	811052	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.18	268.4	Lg	08:23:35.094	-0.4					T__				---		811053	FDSN	Z6	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
ABAH	0.36	125.1	Pg	08:23:36.323	0.2					T__		73.3		___	ML	1.2	811054	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.36	125.1	Lg	08:23:42.177	-0.3					T__				---		811055	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=0)																									
HU02A	0.42	206.3	Pg	08:23:38.756	1.0					T__		53.9		___	ML	1.2	811063	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.42	206.3	Lg	08:23:44.144	-0.6					T__				---		811062	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
PSZ	0.84	226.6	Lg	08:23:59.027	-0.3					T__				---		811064	FDSN	GE	--	BUD	iLoc	HNN	???	_	
ET1H	0.88	225.4	Pn	08:23:46.881	-0.4					T__		38.9		---	ML	1.6	811056	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.88	225.4	Lg	08:24:00.149	-0.0					T__				---		811057	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
NIE	0.98	340.3	Pg	08:23:47.588	0.4					T__		38.7		___	ML	1.6	811065	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									

KOLS	1.06	65.5	Pg	08:23:49.137	0.1	T__									811059	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	1.06	65.5	Lg	08:24:05.645	0.0	T__									811058	FDSN	SK	--	BUD	iLoc	HHN	???	_	
TRPA	1.22	107.1	Pg	08:23:53.585	1.4	T__				52.2				ML	1.9	811060	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	1.22	107.1	Sn	08:24:09.151	-1.4	T__									811061	FDSN	HU	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.9 magdef=1  
 (Station ML: 1.9 magdef=0

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/20	10:03:21.44	0.97	0.50	47.8974	16.1059	6.0	4.1	27	0.0f		8	5	88	0.17	1.18	sx	BUD	19000184	BUD			157

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
CONA	0.17	280.7	Pg	10:03:25.017	0.0					T__		131.0			ML	0.9	811094	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.17	280.7	Lg	10:03:27.797	0.3					T__						811099	FDSN	OE	--	BUD	iLoc	HHN	???	_	

(Reading ML: 0.9 magdef=1  
 (Station ML: 0.9 magdef=1

RONA	0.24	147.0	Pg	10:03:26.471	0.0					T__						811095	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.24	147.0	Lg	10:03:30.363	0.5					T__						811096	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.76	211.6	Lg	10:03:44.944	-0.7					T__						811100	FDSN	OE	--	BUD	iLoc	HHN	???	_	
MODS	0.92	58.3	Lg	10:03:53.799	-0.5					T__						811097	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KRUC	1.18	9.3	Pg	10:03:44.407	0.3					T__		55.3			ML	1.9	811098	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.18	9.3	Sn	10:04:01.770	0.3					T__						811101	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.9 magdef=1  
 (Station ML: 1.9 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/20	12:57:57.10	1.24	0.67	46.1340	16.1030	12.3	4.4	118	0.0f		8	5	184	0.25	1.19	sx	BUD	19000186	BUD			222

Magnitude Err Nsta Author OrigID  
 ML 1.8 0.2 3 BUD 19000186

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
PTJ	0.25	202.6	Lg	12:58:06.996	0.3					T__						811140	FDSN	CR	--	BUD	iLoc	BHN	???	_	
KOGS	0.33	18.0	Pg	12:58:04.020	-0.0					T__		207.5			ML	1.5	811142	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.33	18.0	Lg	12:58:08.449	-0.4					T__						811141	FDSN	SL	--	BUD	iLoc	BHN	???	_	

(Reading ML: 1.5 magdef=1  
 (Station ML: 1.5 magdef=1

CRES	0.55	235.9	Pg	12:58:07.679	-0.0					T__		94.6			ML	1.8	811146	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.55	235.9	Lg	12:58:15.301	-0.4					T__						811143	FDSN	SL	--	BUD	iLoc	BHN	???	_	

(Reading ML: 1.8 magdef=1  
 (Station ML: 1.8 magdef=1

OBKA	1.14	289.8	Lg	12:58:33.363	-0.6					T__						811144	FDSN	OE	--	BUD	iLoc	HHE	???	_	
ARSA	1.19	340.5	Pg	12:58:19.998	-0.0					T__		61.0			ML	1.9	811147	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
ARSA	1.19	340.5	Lg	12:58:36.131	1.2					T__						811145	FDSN	OE	--	BUD	iLoc	HHE	???	_	

(Reading ML: 1.9 magdef=1  
 (Station ML: 1.9 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
------	------	-----	-----	----------	-----------	------	------	----	-------	-----	------	------	-----	-------	-------	------	--------	--------	-----	-------	-----	-----

2023/01/21 01:04:57.49 0.88 0.46 45.9375 16.7080 6.4 3.4 170 10.0f 26 15 166 0.46 1.76 ke BUD 19000188 BUD 177

Magnitude Err Nsta Author OrigID  
 ML 2.5 0.1 12 BUD 19000188

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
A264A	0.46	61.0	Pg	01:05:06.234	-0.7					T__		415.0		---	ML	2.2 811306	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A264A	0.46	61.0	Lg	01:05:14.173	0.8					T__				---		811307	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.2 magdef=1 (Station ML: 2.2 magdef=1)																								
ZAG	0.52	257.9	Pg	01:05:07.997	0.3					T__		938.7		---	ML	2.7 811289	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.52	257.9	Lg	01:05:15.429	0.5					T__				---		811288	FDSN	CR	--	BUD	iLoc	BHN	???	_
(Reading ML: 2.7 magdef=1 (Station ML: 2.7 magdef=0)																								
PTJ	0.52	266.9	Pg	01:05:07.687	-0.4					T__		233.8		---	ML	2.1 811286	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.52	266.9	Lg	01:05:15.191	-0.5					T__				---		811287	FDSN	CR	--	BUD	iLoc	BHN	???	_
(Reading ML: 2.1 magdef=1 (Station ML: 2.1 magdef=0)																								
BEHE	0.53	5.0	Pg	01:05:08.216	-0.1					T__		511.3		---	ML	2.5 811293	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.5 magdef=1 (Station ML: 2.5 magdef=0)																								
KOGS	0.60	328.3	Pg	01:05:09.111	-0.2					T__		227.1		---	ML	2.2 811292	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.60	328.3	Lg	01:05:17.729	0.4					T__				---		811291	FDSN	SL	--	BUD	iLoc	BHN	???	_
(Reading ML: 2.2 magdef=1 (Station ML: 2.2 magdef=1)																								
A273A	0.77	91.2	Pg	01:05:12.583	0.0					T__		328.3		---	ML	2.4 811302	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A273A	0.77	91.2	Lg	01:05:23.556	0.9					T__				---		811308	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.4 magdef=1 (Station ML: 2.4 magdef=1)																								
A263A	0.82	30.7	Pg	01:05:13.730	0.3					T__		342.6		---	ML	2.5 811294	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A263A	0.82	30.7	Lg	01:05:24.744	0.3					T__				---		811301	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.5 magdef=1 (Station ML: 2.5 magdef=1)																								
CRES	0.88	263.2	Pn	01:05:14.957	-0.5					T__		168.6		---	ML	2.2 811298	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.88	263.2	Lg	01:05:27.461	0.0					T__				---		811290	FDSN	SL	--	BUD	iLoc	BHN	???	_
(Reading ML: 2.2 magdef=1 (Station ML: 2.2 magdef=1)																								
A265A	0.90	56.8	Pn	01:05:15.082	0.1					T__		305.3		---	ML	2.5 811295	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A265A	0.90	56.8	Sn	01:05:27.738	-0.3					T__				---		811303	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.5 magdef=1 (Station ML: 2.5 magdef=1)																								
A262A	0.94	352.4	Pn	01:05:16.016	0.3					T__		274.1		---	ML	2.5 811299	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A262A	0.94	352.4	Sn	01:05:28.943	0.1					T__				---		811300	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.5 magdef=1 (Station ML: 2.5 magdef=1)																								
KOVH	0.98	80.7	Pg	01:05:16.232	-0.2					T__		87.4		---	ML	2.0 811296	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.98	80.7	Lg	01:05:29.390	0.1					T__				---		811309	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.0 magdef=1 (Station ML: 2.0 magdef=0)																								
A266A	1.23	60.9	Pg	01:05:20.961	-0.0					T__		188.0		---	ML	2.5 811297	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A266A	1.23	60.9	Lg	01:05:37.708	0.5					T__				---		811304	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.5 magdef=1 (Station ML: 2.5 magdef=1)																								

MORH	1.38	77.7	Lg	01:05:41.286	-0.3	T__	---	811305	FDSN	HU	--	BUD	iLoc	HHN	???	_
ARSA	1.55	328.5	Lg	01:05:45.508	-0.7	T__	---	811310	FDSN	OE	--	BUD	iLoc	HHE	???	_
A272A	1.76	61.9	Lg	01:05:54.049	-0.5	T__	---	811311	FDSN	Z6	00	BUD	iLoc	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/22	15:17:10.68	0.80	1.23	47.3499	18.1618	4.9	3.2	142	10.0f	24	17	84	0.07	1.66	ke	BUD	19000194	BUD				98

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.2	6 BUD	19000194

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
CSKK	0.07	78.8	Pg	15:17:11.941	-1.2					T__		1404.3		_d	ML	1.6	811480	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.07	78.8	Lg	15:17:13.823	-1.6					T__				---		811498	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
HU08A	0.18	296.8	Pg	15:17:14.023	-0.9					T__		276.6		---	ML	1.2	811481	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU08A	0.18	296.8	Lg	15:17:17.531	-0.8					T__				---		811499	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=0)																									
HU09A	0.33	27.3	Pg	15:17:18.267	0.7					T__		167.5		---	ML	1.4	811501	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU09A	0.33	27.3	Lg	15:17:23.508	0.3					T__				---		811500	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
MPLH	0.46	247.2	Pg	15:17:20.531	0.4					T__		84.6		---	ML	1.5	811502	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.46	247.2	Lg	15:17:26.768	-0.4					T__				---		811482	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
TIH	0.49	202.3	Lg	15:17:27.754	-0.1					T__				---		811483	FDSN	HU	--	BUD	iLoc	HHN	???	_	
EGYH	0.57	277.1	Lg	15:17:31.638	1.1					T__				---		811503	FDSN	HU	--	BUD	iLoc	HHN	???	_	
A266A	0.83	175.1	Pn	15:17:27.826	0.9					T__		126.5		---	ML	2.1	811486	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A266A	0.83	175.1	Lg	15:17:38.636	-0.0					T__				---		811485	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=0)																									
A265A	0.96	195.3	Sn	15:17:43.675	0.9					T__				---		811487	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU03A	1.12	59.8	Sn	15:17:48.387	1.3					T__				---		811484	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MORH	1.18	163.6	Sn	15:17:49.445	1.1					T__				---		811488	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MODS	1.18	330.2	Pn	15:17:33.085	0.7					T__				---		811490	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	1.18	330.2	Sn	15:17:49.810	0.6					T__				---		811489	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KOVH	1.26	182.0	Pg	15:17:35.349	0.3					T__		49.3		---	ML	1.9	811492	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	1.26	182.0	Sn	15:17:51.782	1.5					T__				---		811491	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
ET1H	1.27	64.8	Lg	15:17:54.119	-0.7					T__				---		811493	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	1.30	63.5	Sn	15:17:54.558	2.4					T__				---		811494	FDSN	GE	--	BUD	iLoc	HHN	???	_	
RONA	1.31	286.2	Sn	15:17:53.024	1.3					T__				---		811495	FDSN	OE	--	BUD	iLoc	HHN	???	_	
JAVC	1.55	347.9	Sn	15:18:00.328	1.6					T__				---		811496	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
CONA	1.66	291.3	Sn	15:18:02.884	2.5					T__				---		811497	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/01/23	00:23:10.41	1.58	0.77	47.7951	18.7731	10.5	4.3	164	15.1	13.6	9	6	159	0.17	0.77	ke	BUD	19000198	BUD				193

Magnitude Err Nsta Author OrigID  
 ML 1.4 0.3 3 BUD 19000198

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
HU10A	0.17	73.0	Pg	00:23:15.325	0.3					T__		123.6		---	ML	0.9 811615	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU10A	0.17	73.0	Lg	00:23:18.162	-0.4					T__				---		811614	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 0.9 magdef=1)																								
(Station ML: 0.9 magdef=1)																								
HU09A	0.31	239.5	Pg	00:23:17.366	0.2					T__		192.0		---	ML	1.4 811618	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU09A	0.31	239.5	Lg	00:23:22.460	-0.2					T__				---		811620	FDSN	Z6	00	BUD	iLoc	HHE	???	_
(Reading ML: 1.4 magdef=1)																								
(Station ML: 1.4 magdef=1)																								
SR0	0.31	273.5	Pg	00:23:17.505	0.3					T__		301.1		---	ML	1.6 811616	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
SR0	0.31	273.5	Lg	00:23:22.384	-0.4					T__				---		811617	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Reading ML: 1.6 magdef=1)																								
(Station ML: 1.6 magdef=1)																								
HU08A	0.68	238.0	Lg	00:23:34.667	-0.0					T__				---		811619	FDSN	Z6	00	BUD	iLoc	HHE	???	_
ET1H	0.74	83.1	Sn	00:23:36.162	-0.9					T__				---		811621	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	0.77	80.3	Sn	00:23:36.751	-1.3					T__				---		811622	FDSN	GE	--	BUD	iLoc	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/23	08:01:29.79	1.01	1.16	47.9569	16.0540	6.0	4.2	4	0.0f	8	6	84	0.13	1.45	sx	BUD	19000200	BUD				144

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CONA	0.13	257.6	Pg	08:01:32.410	-0.3					T__		257.6		---	ML	1.1 811666	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.13	257.6	Lg	08:01:34.802	0.0					T__				---		811667	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.1 magdef=1)																								
(Station ML: 1.1 magdef=0)																								
RONA	0.30	147.5	Pg	08:01:35.587	-0.5					T__				---		811669	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.30	147.5	Lg	08:01:40.553	0.1					T__				---		811668	FDSN	OE	--	BUD	iLoc	HHN	???	_
ARSA	0.79	207.1	Lg	08:01:56.348	1.2					T__				---		811670	FDSN	OE	--	BUD	iLoc	HHN	???	_
MODS	0.92	62.6	Lg	08:02:03.651	1.0					T__				---		811671	FDSN	SK	--	BUD	iLoc	HHN	???	_
KRUC	1.13	11.5	Lg	08:02:07.778	-0.3					T__				---		811673	FDSN	CZ	--	BUD	iLoc	HHE	???	_
CKRC	1.45	307.2	Sn	08:02:18.624	1.9					T__				---		811672	FDSN	CZ	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/23	09:39:46.17	2.23	0.46	48.6432	20.7443	17.5	6.9	164	0.0f	6	5	210	0.20	1.05	sx	BUD	19000202	BUD				273

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
JOS	0.20	222.8	Pg	09:39:50.225	-0.1					T__		137.0		---	ML	1.0 811689	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.20	222.8	Lg	09:39:54.247	0.6					T__				---		811694	FDSN	Z6	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.0 magdef=1)																								
(Station ML: 1.0 magdef=0)																								
ABAH	0.48	136.3	Lg	09:40:04.156	0.1					T__				---		811690	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	0.92	218.4	Lg	09:40:19.273	-0.0					T__				---		811691	FDSN	GE	--	BUD	iLoc	HHN	???	_

ET1H	0.96	217.7	Lg	09:40:19.984	-0.3	T__	---	811692	FDSN	HU	--	BUD	iLoc	HHN	???	_
KOLS	1.05	73.4	Lg	09:40:22.819	0.4	T__	---	811693	FDSN	SK	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/23	09:50:54.68	1.05	0.52	47.2374	18.3081	6.3	4.2	88	0.0f	10	7	150	0.13	1.16	sx	BUD	19000204	BUD				172
2023/01/23	09:50:54.78	0.92	0.50	47.2302	18.2835f				0.0f	10	7	145	0.13	1.15	kx	BUD_GT	19000205	BUD_GT				161

(locality: Iszkaszentgyörgy Hungary)  
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.2	3 BUD	19000205
ML	1.6	0.3	3 BUD_GT	

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.13	353.3	Pg	09:50:58.018	-0.1					T__		804.9		---	ML	1.6	811716	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.13	353.3	Lg	09:51:00.429	-0.8					T__				---		811717	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1 Station ML: 1.6 magdef=1)																									
A267A	0.31	154.4	Lg	09:51:06.744	-0.4					T__				---		811721	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU08A	0.32	309.6	Pg	09:51:02.416	0.8					T__		158.6		---	ML	1.4	811722	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU08A	0.32	309.6	Lg	09:51:06.673	-0.7					T__				---		811718	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1 Station ML: 1.4 magdef=1)																									
HU09A	0.41	9.3	Lg	09:51:10.471	-0.3					T__				---		811723	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.51	263.5	Pg	09:51:05.605	0.2					T__		136.6		---	ML	1.9	811719	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.51	263.5	Lg	09:51:13.822	0.4					T__				---		811724	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=1)																									
MORH	1.05	166.2	Lg	09:51:30.730	-0.1					T__				---		811720	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOVH	1.15	186.4	Sn	09:51:33.916	-0.3					T__				---		811725	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/24	08:24:16.21	1.27	0.78	48.0610	20.6963	9.0	5.4	162	0.0f	6	4	195	0.43	0.58	sx	BUD	19000210	BUD				265
2023/01/24	08:24:16.04	1.02	0.73	48.0471	20.6805f				0.0f	6	4	196	0.45	0.57	kx	BUD_GT	19000211	BUD_GT				264

(locality: Miskolc-Mexikóvölgy Hungary)  
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.45	56.1	Pg	08:24:25.508	0.2					T__		80.9		---	ML	1.5	811913	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.45	56.1	Lg	08:24:31.798	-1.3					T__				---		811915	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=0)																									
JOS	0.46	348.2	Pg	08:24:25.658	0.3					T__		89.9		---	ML	1.5	811911	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.46	348.2	Lg	08:24:31.844	-0.6					T__				---		811912	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=0)																									
PSZ	0.54	256.6	Lg	08:24:36.409	-0.1					T__				---		811914	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	0.57	253.1	Lg	08:24:37.449	0.5					T__				---		811916	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/24	09:26:32.25	1.99	0.66	48.3856	19.5805	15.0	5.6	106	0.0f	7	6	205	0.48	1.14	sx	BUD	19000212	BUD				261

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU03A	0.48	178.5	Lg	09:26:50.108	0.2					T__						811971	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.51	155.7	Pg	09:26:43.438	0.1					T__		85.7			ML	1.7	811969	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.51	155.7	Lg	09:26:51.628	0.1					T__						811972	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=0)																									
ET1H	0.54	158.9	Lg	09:26:51.545	-0.6					T__						811970	FDSN	HU	--	BUD	iLoc	HHN	???	_	
JOS	0.65	79.8	Lg	09:26:55.200	0.2					T__						811973	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
ABAH	1.11	94.0	Sn	09:27:09.883	-1.1					T__						811975	FDSN	HU	--	BUD	iLoc	HHN	???	_	
NIE	1.14	24.4	Lg	09:27:10.170	-0.2					T__						811974	FDSN	PL	--	BUD	iLoc	BHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/01/24	13:28:04.13	1.41	0.90	48.4301	22.6833	15.1	5.0	80	0.0f	8	5	172	0.31	1.43	sx	BUD	19000214	BUD					230

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
TRPA	0.31	197.9	Pg	13:28:10.495	-0.1					T__		116.5			ML	1.2	812028	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.31	197.9	Lg	13:28:16.962	0.6					T__						812022	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
KOLS	0.57	331.8	Pg	13:28:15.601	0.3					T__						812029	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.57	331.8	Lg	13:28:23.951	-0.8					T__						812027	FDSN	SK	--	BUD	iLoc	HHN	???	_	
BMR	0.93	143.9	Lg	13:28:36.536	-0.4					T__						812023	FDSN	RO	--	BUD	iLoc	HHN	???	_	
ABAH	0.97	262.6	Lg	13:28:37.705	-0.9					T__						812024	FDSN	HU	--	BUD	iLoc	HHN	???	_	
JOS	1.43	273.4	Pn	13:28:29.926	-0.5					T__		86.4			ML	2.2	812026	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	1.43	273.4	Sn	13:28:52.568	1.3					T__						812025	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/01/25	08:42:10.32	1.23	0.73	47.9566	16.6729	10.1	4.9	127	0.0f	7	5	180	0.36	1.12	sx	BUD	19000218	BUD					234

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
RONA	0.36	224.8	Pg	08:42:17.715	-0.0					T__						812133	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.36	224.8	Lg	08:42:21.932	-0.8					T__						812138	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.55	267.3	Pg	08:42:21.259	0.0					T__		75.7			ML	1.7	812134	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.55	267.3	Lg	08:42:28.738	0.2					T__						812132	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=0)																									
MODS	0.58	43.9	Lg	08:42:31.924	0.1					T__						812135	FDSN	SK	--	BUD	iLoc	HHN	???	_	

ARSA	1.05	228.2	Lg	08:42:44.905	1.1	T__	---	812136	FDSN	OE	--	BUD	iLoc	HHN	???	_
KRUC	1.12	350.6	Lg	08:42:48.018	-0.4	T__	---	812137	FDSN	CZ	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/25	11:27:22.26	3.22	2.58	47.7713	20.1219	20.6	9.3	156	0.0f	7	5	185	0.20	1.06	sx	BUD	19000222	BUD				269

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ET1H	0.20	302.7	Pg	11:27:27.156	0.2					T__		521.7		---	ML	1.6	812224	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.20	302.7	Lg	11:27:30.962	0.4					T__				---		812225	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.6 magdef=1)																					
				(Station ML: 1.6 magdef=1)																					
PSZ	0.21	313.9	Pg	11:27:27.027	-0.3					T__		523.1		---	ML	1.6	812221	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.21	313.9	Lg	11:27:30.449	-1.0					T__				---		812222	FDSN	GE	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.6 magdef=1)																					
				(Station ML: 1.6 magdef=1)																					
HU03A	0.38	290.8	Lg	11:27:37.205	0.8					T__				---		812223	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
JOS	0.78	20.9	Lg	11:27:50.406	0.8					T__				---		812226	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
HU04B	1.06	206.1	Sn	11:27:54.426	-4.9					T__				---		812227	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/25	12:08:38.20	1.10	1.28	47.8855	16.0850	9.9	3.8	40	0.0f	8	6	132	0.16	1.51	sx	BUD	19000224	BUD				201

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.16	286.0	Pg	12:08:40.969	-0.6					T__		152.4		---	ML	0.9	812247	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.16	286.0	Lg	12:08:43.663	-0.3					T__				---		812250	FDSN	OE	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 0.9 magdef=1)																					
				(Station ML: 0.9 magdef=0)																					
RONA	0.23	142.5	Pg	12:08:42.893	-0.3					T__				---		812248	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.23	142.5	Lg	12:08:46.357	-0.3					T__				---		812251	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.74	211.1	Lg	12:09:03.235	1.4					T__				---		812252	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.20	9.8	Sn	12:09:19.629	1.1					T__				---		812249	FDSN	CZ	--	BUD	iLoc	HHE	???	_	
TREC	1.47	344.5	Lg	12:09:27.606	1.7					T__				---		812253	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
CKRC	1.51	309.0	Lg	12:09:28.512	1.3					T__				---		812254	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/26	02:39:28.30	1.00	0.64	47.6439	16.1617	7.4	4.5	10	10.0f	8	5	146	0.11	1.43	ke	BUD	19000230	BUD				243

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.11	58.4	Pg	02:39:30.705	-0.6					T__				---		812464	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.11	58.4	Lg	02:39:33.132	-0.4					T__				---		812465	FDSN	OE	--	BUD	iLoc	HHN	???	_	
SOP	0.27	81.5	Pg	02:39:34.187	0.1					T__		57.5		---	ML	0.8	812467	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.27	81.5	Lg	02:39:39.019	0.9					T__				---		812468	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 0.8 magdef=1)																					



(Station ML: 0.8 magdef=0  
 CONA 0.35 324.7 Pg 02:39:36.158 0.5 T\_\_ 46.3 --- ML 0.9 812463 FDSN OE -- BUD iLoc HHZ HHZ \_  
 CONA 0.35 324.7 Lg 02:39:40.068 -0.5 T\_\_ --- 812469 FDSN OE -- BUD iLoc HHN ??? \_  
 (Reading ML: 0.9 magdef=1  
 (Station ML: 0.9 magdef=0  
 ARSA 0.59 228.0 Lg 02:39:47.426 0.2 T\_\_ --- 812466 FDSN OE -- BUD iLoc HHN ??? \_  
 KRUC 1.43 6.2 Sn 02:40:12.592 0.2 T\_\_ --- 812470 FDSN CZ -- BUD iLoc HHE ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/26	10:52:13.13	1.68	1.13	47.2413	18.2538	10.3	6.9	97	0.0f	4	3	163	0.12	1.06	sx	BUD	19000232	BUD				263
2023/01/26	10:52:12.67	1.67	0.37	47.2302	18.2835f				0.0f	4	3	172	0.13	1.05	kx	BUD_GT	19000233	BUD_GT				270

(locality: Iszkaszentgyörgy Hungary)  
 (GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID  
 19000233

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.13	353.3	Lg	10:52:19.276	0.2					T__						812489	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MPLH	0.51	263.5	Lg	10:52:31.250	-0.1					T__						812490	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MORH	1.05	166.2	Pn	10:52:32.843	-0.4					T__	43.9			---	ML	1.7	812488	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	1.05	166.2	Sn	10:52:50.035	0.5					T__				---		812487	FDSN	HU	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.7 magdef=1  
 (Station ML: 1.7 magdef=0

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/01/27	11:09:38.22	2.40	0.32	46.1016	18.0536	17.8	9.1	87	0.0f	6	4	229	0.03	1.13	sx	BUD	19000236	BUD					267

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOVH	0.03	112.5	Pg	11:09:39.707	0.1					T__	1081.5			---	ML	1.4	812599	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.03	112.5	Lg	11:09:40.969	-0.2					T__				---		812600	FDSN	HU	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.4 magdef=1  
 (Station ML: 1.4 magdef=1

MORH	0.43	74.3	Pg	11:09:47.405	0.2					T__	42.8			---	ML	1.1	812601	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.43	74.3	Lg	11:09:53.820	-0.3					T__				---		812602	FDSN	HU	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.1 magdef=1  
 (Station ML: 1.1 magdef=1

A266A	0.45	19.0	Lg	11:09:54.673	-0.2					T__				---		812603	FDSN	Z6	00	BUD	iLoc	HHN	???	_
MPLH	1.13	341.9	Sn	11:10:16.530	-0.3					T__				---		812604	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/01/30	10:29:24.34	0.97	1.29	48.4863	20.8046	6.7	4.9	44	0.0f	10	6	113	0.35	1.21	sx	BUD	19000256	BUD					197

Magnitude Err Nsta Author OrigID  
 ML 2.0 0.3 4 BUD 19000256

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
-----	------	------	-------	------	------	------	-------	------	------	-----	-----	-----	-----	------	-----------	-------	-----	--------	----	------	-----	-----	-----	---

ABAH	0.35	123.1	Pg	10:29:31.357	-0.2	T__	176.8	---	ML	1.5	813136	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.35	123.1	Lg	10:29:37.238	-0.5	T__		---			813139	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.5 magdef=1)																			
(Station ML: 1.5 magdef=1)																			
PSZ	0.83	227.3	Lg	10:29:54.314	-0.2	T__		---			813140	FDSN	GE	--	BUD	iLoc	HHN	???	_
ET1H	0.87	226.1	Pn	10:29:42.305	-0.4	T__	127.4	---	ML	2.1	813135	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.87	226.1	Lg	10:29:55.413	0.0	T__		---			813141	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.1 magdef=1)																			
(Station ML: 2.1 magdef=1)																			
NIE	0.99	340.5	Pg	10:29:43.107	0.1	T__	81.3	---	ML	2.0	813137	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.99	340.5	Lg	10:29:56.963	-0.2	T__		---			813138	FDSN	PL	--	BUD	iLoc	BHN	???	_
(Reading ML: 2.0 magdef=1)																			
(Station ML: 2.0 magdef=1)																			
KOLS	1.07	64.8	Lg	10:29:59.508	-1.9	T__		---			813142	FDSN	SK	--	BUD	iLoc	HHN	???	_
TRPA	1.21	106.4	Pg	10:29:49.560	1.9	T__	146.7	---	ML	2.3	813144	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	1.21	106.4	Sn	10:30:03.930	-2.0	T__		---			813143	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.3 magdef=1)																			
(Station ML: 2.3 magdef=1)																			

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/31	09:01:34.12	2.81	0.69	47.4029	18.3778	17.4	7.6	26	0.0f		8	7	174	0.09	1.20	sx	BUD	19000264	BUD			179

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
CSKK	0.09	243.5	Pg	09:01:36.518	-0.0					T__		1339.2		---	ML	1.7	813328	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.09	243.5	Lg	09:01:38.553	-0.4					T__				---		813330	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=0)																									
A267A	0.46	171.1	Lg	09:01:50.932	-0.5					T__				---		813331	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.62	248.1	Lg	09:01:56.623	0.4					T__				---		813335	FDSN	HU	--	BUD	iLoc	HHN	???	_	
A266A	0.88	185.1	Lg	09:02:05.613	1.0					T__				---		813332	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ET1H	1.12	64.2	Sn	09:02:13.647	0.5					T__				---		813333	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	1.15	62.7	Sn	09:02:14.278	-0.2					T__				---		813329	FDSN	GE	--	BUD	iLoc	HHN	???	_	
MORH	1.20	171.2	Sn	09:02:14.231	-0.7					T__				---		813334	FDSN	HU	--	BUD	iLoc	HHE	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/01/31	10:39:07.95	0.89	0.77	47.6951	16.0127	4.7	4.2	36	0.5		2.2	22	13	94	0.19	1.66	ke	BUD	19000266	BUD			125

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.3	6 BUD	19000266

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
RONA	0.19	88.5	Pg	10:39:11.982	-0.0					T__				---		813407	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.19	88.5	Lg	10:39:14.712	-0.2					T__				---		813406	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.25	336.5	Pg	10:39:13.507	0.3					T__	192.2			---	ML	1.3	813404	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.25	336.5	Lg	10:39:17.076	0.2					T__				---		813405	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=0)																									
SOP	0.37	91.6	Pg	10:39:15.671	0.2					T__	175.4			---	ML	1.6	813420	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_

SOP	0.37	91.6	Lg	10:39:20.418	-0.1	T__									813408	FDSN	HU	--	BUD	iLoc	HHN	???	_
	(Reading ML: 1.6 magdef=1)																						
	(Station ML: 1.6 magdef=1)																						
ARSA	0.56	216.9	Pg	10:39:18.446	-0.3	T__	166.5			ML	2.0	813409	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_			
ARSA	0.56	216.9	Lg	10:39:25.791	0.1	T__									813410	FDSN	OE	--	BUD	iLoc	HHN	???	_
	(Reading ML: 2.0 magdef=1)																						
	(Station ML: 2.0 magdef=1)																						
ZST	0.89	55.2	Pg	10:39:26.532	0.8	T__									813421	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.89	55.2	Lg	10:39:39.394	0.4	T__									813413	FDSN	SK	--	BUD	iLoc	HHN	???	_
A262A	0.90	156.9	Sn	10:39:40.989	0.5	T__									813414	FDSN	Z6	00	BUD	iLoc	HHN	???	_
MODS	1.09	50.9	Pn	10:39:28.976	-0.9	T__									813422	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	1.09	50.9	Sn	10:39:44.354	-1.6	T__									813423	FDSN	SK	--	BUD	iLoc	HHN	???	_
MODS	1.09	50.9	Lg	10:39:44.835	-1.2	T__									813411	FDSN	SK	--	BUD	iLoc	HHN	???	_
KRUC	1.39	10.4	Pn	10:39:33.660	-0.4	T__	92.7			ML	2.2	813412	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_			
KRUC	1.39	10.4	Sn	10:39:52.687	-0.2	T__									813415	FDSN	CZ	--	BUD	iLoc	HHN	???	_
	(Reading ML: 2.2 magdef=1)																						
	(Station ML: 2.2 magdef=1)																						
OBKA	1.55	220.7	Pg	10:39:38.723	1.4	T__	91.6			ML	2.3	813424	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_			
	(Reading ML: 2.3 magdef=1)																						
	(Station ML: 2.3 magdef=0)																						
CKRC	1.60	315.3	Lg	10:39:59.012	-0.9	T__									813418	FDSN	CZ	--	BUD	iLoc	HHN	???	_
JAVC	1.61	42.9	Sn	10:40:00.292	1.0	T__									813419	FDSN	CZ	--	BUD	iLoc	HHN	???	_
TREC	1.64	347.9	Lg	10:40:00.298	-0.7	T__									813416	FDSN	CZ	--	BUD	iLoc	HHN	???	_
VRAC	1.66	13.2	Pn	10:39:37.733	-0.1	T__	18.6			ML	1.7	813425	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_			
VRAC	1.66	13.2	Sn	10:39:59.542	0.0	T__									813417	FDSN	CZ	--	BUD	iLoc	HHN	???	_
	(Reading ML: 1.7 magdef=1)																						
	(Station ML: 1.7 magdef=1)																						

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/01/31	12:57:02.73	1.13	1.48	48.7413	18.7416	7.5	5.5	60	0.0f		13	8	173	0.72	1.52	sx	BUD	19000270	BUD			203

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.0	5 BUD	19000270

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JAVC	0.72	279.9	Pg	12:57:16.944	-0.5					T__		136.5			ML	2.0	813539	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.72	279.9	Lg	12:57:27.534	-1.1					T__						813540	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
	(Reading ML: 2.0 magdef=1)																								
	(Station ML: 2.0 magdef=1)																								
SRO	0.97	197.3	Lg	12:57:36.883	-0.8					T__						813541	FDSN	SK	--	BUD	iLoc	EHN	???	_	
MODS	1.04	249.8	Pg	12:57:25.489	1.8					T__						813538	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	1.04	249.8	Lg	12:57:38.271	-1.1					T__						813537	FDSN	SK	--	BUD	iLoc	HHN	???	_	
PSZ	1.13	136.5	Pn	12:57:25.775	0.7					T__	82.7				ML	2.0	813545	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.13	136.5	Lg	12:57:40.894	-2.0					T__						813544	FDSN	GE	--	BUD	iLoc	HHN	???	_	
	(Reading ML: 2.0 magdef=1)																								
	(Station ML: 2.0 magdef=1)																								
ET1H	1.15	138.4	Pn	12:57:27.275	2.1					T__	53.2				ML	1.9	813546	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	1.15	138.4	Sn	12:57:42.540	-0.2					T__						813547	FDSN	HU	--	BUD	iLoc	HHN	???	_	
	(Reading ML: 1.9 magdef=1)																								
	(Station ML: 1.9 magdef=0)																								
MORC	1.30	323.3	Pg	12:57:27.681	0.8					T__	94.9				ML	2.2	813543	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
MORC	1.30	323.3	Lg	12:57:44.479	-0.5					T__						813542	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

(Reading ML: 2.2 magdef=1  
 (Station ML: 2.2 magdef=1  
 CSKK 1.42 193.4 Pn 12:57:30.600 1.7 T\_\_ 107.9 \_\_\_ ML 2.3 813548 FDSN HU -- BUD iLoc HHZ HHZ \_  
 (Reading ML: 2.3 magdef=1  
 (Station ML: 2.3 magdef=0  
 VRAC 1.52 292.7 Sn 12:57:51.161 -1.6 T\_\_ \_\_\_ 813549 FDSN CZ -- BUD iLoc HHN ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/01	09:07:17.23	0.94	1.08	46.8570	17.2987	6.0	3.6	61	0.0f		11	8	135	0.14	1.13	sx	BUD	19000276	BUD			210

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.4	3 BUD	19000276

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
A261A	0.14	312.8	Pg	09:07:21.158	0.5					T__		6619.7		___	ML	2.5	813664	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A261A	0.14	312.8	Lg	09:07:23.066	-0.5					T__				---		813656	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.5 magdef=1 (Station ML: 2.5 magdef=1																									
A263A	0.22	177.0	Pg	09:07:22.419	0.3					T__		1454.2		___	ML	2.1	813665	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A263A	0.22	177.0	Lg	09:07:24.776	-1.1					T__				---		813657	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1 (Station ML: 2.1 magdef=1																									
MPLH	0.35	27.7	Lg	09:07:30.609	-0.2					T__				---		813666	FDSN	HU	--	BUD	iLoc	HHN	???	_	
TIH	0.41	83.8	Lg	09:07:33.244	0.7					T__				---		813658	FDSN	HU	--	BUD	iLoc	HHN	???	_	
A266A	0.74	116.1	Lg	09:07:44.534	1.2					T__				---		813659	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CSKK	0.83	52.0	Lg	09:07:45.988	-1.8					T__				---		813660	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOVH	0.95	144.0	Pg	09:07:35.981	-0.4					T__		55.2		---	ML	1.8	813662	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.95	144.0	Lg	09:07:50.521	1.1					T__				---		813661	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1 (Station ML: 1.8 magdef=1																									
MORH	1.13	124.2	Sn	09:07:54.712	-1.0					T__				---		813663	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/01	10:19:20.57	2.38	2.07	48.5538	20.7631	19.2	6.8	163	0.0f		8	5	205	0.41	1.26	sx	BUD	19000278	BUD			246

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.0	3 BUD	19000278

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ABAH	0.41	128.9	Pg	10:19:29.843	0.9					T__		136.5		___	ML	1.6	813691	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.41	128.9	Lg	10:19:34.804	-1.3					T__				---		813693	FDSN	HU	--	BUD	iLoc	HHE	???	_	
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=1																									
PSZ	0.86	222.7	Pn	10:19:39.243	0.2					T__		114.4		___	ML	2.0	813692	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.86	222.7	Lg	10:19:51.217	-0.5					T__				---		813694	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1 (Station ML: 2.0 magdef=1																									
ET1H	0.90	221.8	Pn	10:19:39.215	-0.1					T__		107.8		___	ML	2.0	813690	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.90	221.8	Lg	10:19:51.575	-1.0					T__				---		813695	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1																									

```
(Station ML: 2.0 magdef=1
KOLS 1.07 68.6 Lg 10:19:55.209 -2.3 T__ --- 813696 FDSN SK -- BUD iLoc HHN ??? _
TRPA 1.26 109.0 Sn 10:19:59.823 -3.5 T__ --- 813697 FDSN HU -- BUD iLoc HHN ??? _
```

```
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/02/01 10:38:37.19 1.14 1.18 48.9808 18.2865 7.9 4.5 117 0.0f 17 11 89 0.42 1.93 sx BUD 19000280 BUD 110
```

```
Magnitude Err Nsta Author OrigID
ML 2.3 0.1 5 BUD 19000280
```

```
Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
JAVC 0.42 253.5 Pg 10:38:45.630 -0.5 T__ 154.6 --- ML 1.7 813746 FDSN CZ -- BUD iLoc HHZ HHZ _
JAVC 0.42 253.5 Lg 10:38:53.200 0.1 T__ --- 813755 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=0
MODS 0.90 228.1 Pg 10:38:55.295 -0.1 T__ --- 813745 FDSN SK -- BUD iLoc HHZ ??? _
MODS 0.90 228.1 Lg 10:39:09.280 0.1 T__ --- 813757 FDSN SK -- BUD iLoc HHN ??? _
MORC 0.93 328.9 Pg 10:38:54.638 0.1 T__ 103.5 --- ML 2.0 813749 FDSN CZ -- BUD iLoc HHZ HHZ _
MORC 0.93 328.9 Lg 10:39:08.323 0.7 T__ --- 813756 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
ZST 1.11 225.5 Lg 10:39:16.043 0.3 T__ --- 813759 FDSN SK -- BUD iLoc HHN ??? _
VRAC 1.16 287.1 Lg 10:39:15.535 -0.4 T__ --- 813758 FDSN CZ -- BUD iLoc HHN ??? _
KRUC 1.25 274.4 Lg 10:39:18.893 -0.2 T__ --- 813760 FDSN CZ -- BUD iLoc HHN ??? _
NIE 1.39 70.9 Pn 10:39:04.318 0.9 T__ 96.8 --- ML 2.3 813748 FDSN PL -- BUD iLoc BHZ BHZ _
NIE 1.39 70.9 Sn 10:39:25.957 1.6 T__ --- 813747 FDSN PL -- BUD iLoc BHN ??? _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=1
PSZ 1.51 134.2 Pn 10:39:06.394 1.5 T__ 94.5 --- ML 2.3 813752 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 1.51 134.2 Sn 10:39:27.777 0.9 T__ --- 813753 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=1
ET1H 1.53 135.7 Sn 10:39:28.459 1.6 T__ --- 813754 FDSN HU -- BUD iLoc HHN ??? _
OJC 1.58 37.9 Pn 10:39:08.061 1.8 T__ 123.1 --- ML 2.5 813751 FDSN PL -- BUD iLoc BHZ BHZ _
OJC 1.58 37.9 Lg 10:39:26.793 -1.6 T__ --- 813750 FDSN PL -- BUD iLoc BHN ??? _
(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=0
CONA 1.93 237.8 Sn 10:39:38.535 1.9 T__ --- 813761 FDSN OE -- BUD iLoc HHN ??? _
```

```
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/02/01 12:46:55.32 1.69 1.23 47.9149 16.1013 15.6 4.3 31 0.0f 6 4 138 0.16 1.16 sx BUD 19000284 BUD 233
```

```
Magnitude Err Nsta Author OrigID
```

```
Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CONA 0.16 274.8 Pg 12:46:58.717 -0.1 T__ 180.4 --- ML 1.0 813821 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.16 274.8 Lg 12:47:01.240 0.0 T__ --- 813822 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=0
RONA 0.25 148.5 Pg 12:47:00.555 -0.1 T__ --- 813824 FDSN OE -- BUD iLoc HHZ ??? _
```

RONA	0.25	148.5	Lg	12:47:04.340	0.0	T__	---	813823	FDSN	OE	--	BUD	iLoc	HHN	???	_
ARSA	0.77	210.7	Lg	12:47:20.088	0.1	T__	---	813825	FDSN	OE	--	BUD	iLoc	HHN	???	_
KRUC	1.16	9.6	Sn	12:47:37.085	2.1	T__	---	813826	FDSN	CZ	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/01	12:51:18.82	0.93	0.73	47.8896	16.0749	5.9	5.1	4	0.0f	13	8	74	0.15	1.50	sx	BUD	19000286	BUD				143

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.5	4 BUD	19000286

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
CONA	0.15	285.2	Pg	12:51:21.617	-0.4					T__		285.3		---	ML	1.2	813852	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.15	285.2	Lg	12:51:24.183	-0.1					T__				---		813853	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
RONA	0.24	141.8	Pg	12:51:23.617	-0.3					T__				---		813855	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.24	141.8	Lg	12:51:27.348	-0.1					T__				---		813854	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.74	210.5	Pg	12:51:32.483	-0.7					T__		94.7		---	ML	1.9	813862	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
ARSA	0.74	210.5	Lg	12:51:43.642	1.2					T__				---		813856	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
MODS	0.94	58.5	Lg	12:51:52.003	-0.4					T__				---		813863	FDSN	SK	--	BUD	iLoc	HHN	???	_	
EGYH	0.97	118.6	Lg	12:51:53.456	1.0					T__				---		813859	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KRUC	1.19	10.2	Pg	12:51:42.423	0.7					T__		113.4		---	ML	2.2	813858	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.19	10.2	Sn	12:51:59.101	-0.0					T__				---		813857	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
MPLH	1.23	125.4	Sn	12:52:00.471	0.7					T__				---		813864	FDSN	HU	--	BUD	iLoc	HHN	???	_	
CKRC	1.50	309.0	Pg	12:51:47.897	0.9					T__		188.0		---	ML	2.6	813861	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
CKRC	1.50	309.0	Sn	12:52:07.483	0.5					T__				---		813860	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.6 magdef=1)																									
(Station ML: 2.6 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/02/02	10:39:23.15	1.06	2.01	48.6138	21.3520	7.0	4.4	152	0.0f	8	4	164	0.33	0.93	sx	BUD	19000294	BUD					228

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.2	3 BUD	19000294

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ABAH	0.33	193.3	Pg	10:39:30.277	0.3					T__		118.4		---	ML	1.3	814006	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.33	193.3	Lg	10:39:36.265	0.5					T__				---		814007	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
KECS	0.59	257.5	Pg	10:39:34.212	-0.8					T__		84.6		---	ML	1.8	814008	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.59	257.5	Lg	10:39:45.288	1.4					T__				---		814012	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
KOLS	0.69	62.0	Pg	10:39:37.205	0.8					T__				---		814011	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.69	62.0	Lg	10:39:45.887	-1.7					T__				---		814013	FDSN	SK	--	BUD	iLoc	HHN	???	_	

```
TRPA 0.93 121.0 Pg 10:39:40.798 -0.4 T__ 69.9 --- ML 1.9 814009 FDSN HU -- BUD iLoc HHZ HHZ _
TRPA 0.93 121.0 Lg 10:39:52.430 -3.7 T__ --- 814010 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
```

```
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/02/02 11:08:52.00 1.29 0.96 48.0970 16.2835 8.2 6.4 86 0.0f 8 5 174 0.33 1.50 sx BUD 19000298 BUD 239
```

Magnitude Err Nsta Author OrigID

```
Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CONA 0.33 239.3 Pg 11:08:58.695 -0.0 T__ 57.4 --- ML 1.0 814060 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.33 239.3 Lg 11:09:02.886 -0.4 T__ --- 814059 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=1
RONA 0.40 178.8 Pg 11:09:00.299 0.2 T__ --- 814061 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.40 178.8 Lg 11:09:04.789 -0.8 T__ --- 814065 FDSN OE -- BUD iLoc HHN ??? _
KRUC 0.97 4.4 Lg 11:09:25.017 0.1 T__ --- 814062 FDSN CZ -- BUD iLoc HHE ??? _
ARSA 0.99 211.5 Lg 11:09:25.018 1.4 T__ --- 814066 FDSN OE -- BUD iLoc HHN ??? _
CKRC 1.50 299.6 Pn 11:09:19.543 -0.2 T__ 127.2 --- ML 2.4 814064 FDSN CZ -- BUD iLoc HHZ HHZ _
CKRC 1.50 299.6 Sn 11:09:38.959 -1.3 T__ --- 814063 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=1
```

```
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/02/02 12:34:34.65 1.71 1.20 46.0214 16.4532 15.7 4.7 129 11.0f 11 9 165 0.36 1.54 ke BUD 19000300 BUD 169
```

Magnitude Err Nsta Author OrigID  
ML 1.5 0.4 3 BUD 19000300

```
Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
PTJ 0.36 251.5 Pg 12:34:41.781 -0.5 T__ 61.9 --- ML 1.1 814092 FDSN CR -- BUD iLoc BHZ BHZ _
PTJ 0.36 251.5 Lg 12:34:49.650 1.8 T__ --- 814091 FDSN CR -- BUD iLoc BHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=1
KOGS 0.45 341.8 Pg 12:34:43.492 -0.3 T__ 160.4 --- ML 1.8 814095 FDSN SL -- BUD iLoc BHZ BHZ _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
BEHE 0.50 26.4 Lg 12:34:53.328 1.5 T__ --- 814096 FDSN HU -- BUD iLoc HHN ??? _
CRES 0.72 254.7 Pg 12:34:47.255 -1.1 T__ 41.2 --- ML 1.5 814093 FDSN SL -- BUD iLoc BHZ BHZ _
CRES 0.72 254.7 Lg 12:34:59.743 0.4 T__ --- 814094 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
A262A 0.84 3.5 Lg 12:35:00.769 -1.4 T__ --- 814099 FDSN Z6 00 BUD iLoc HHN ??? _
KOVH 1.15 86.1 Sn 12:35:11.375 0.3 T__ --- 814098 FDSN HU -- BUD iLoc HHN ??? _
ARSA 1.39 332.8 Sn 12:35:17.191 0.3 T__ --- 814097 FDSN OE -- BUD iLoc HHN ??? _
OBKA 1.41 291.0 Lg 12:35:21.040 0.9 T__ --- 814100 FDSN OE -- BUD iLoc HHN ??? _
MORH 1.54 82.0 Sn 12:35:21.724 1.3 T__ --- 814101 FDSN HU -- BUD iLoc HHN ??? _
```

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/03	09:09:58.66	0.97	1.39	47.1116	18.0697	5.8	4.4	152	0.0f	7	5	107	0.24	0.98	sx	BUD	19000302	BUD				200

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
TIH	0.24	209.8	Lg	09:10:06.906	-1.5					T__						814229	FDSN	HU	--	BUD	iLoc	HHN	???	_	
CSKK	0.28	27.3	Pg	09:10:04.885	0.0					T__		162.2		---	ML	1.3	814224	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.28	27.3	Lg	09:10:10.039	-0.3					T__						814225	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
A267A	0.33	120.2	Lg	09:10:11.867	0.4					T__						814228	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.37	279.4	Pg	09:10:07.794	1.3					T__		76.4		---	ML	1.2	814227	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.37	279.4	Lg	09:10:10.798	-1.8					T__						814226	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
MORH	0.98	156.0	Lg	09:10:31.860	-0.7					T__						814230	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/04	23:55:10.81	1.75	1.37	45.8931	21.9065	35.6	13.5	126	35.0f	6	4	175	0.34	1.43	ke	BUD	19000312	BUD				262

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BZS	0.34	216.4	Pn	23:55:19.446	0.1					T__		41.7		---	ML	0.9	814387	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.34	216.4	Sn	23:55:24.832	-0.2					T__						814386	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
GZR	0.79	129.0	Sn	23:55:35.734	-0.8					T__						814388	FDSN	RO	--	BUD	iLoc	HHN	???	_	
DRGR	1.06	31.5	Pn	23:55:28.945	-0.1					T__		53.9		---	ML	1.8	814389	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	1.06	31.5	Sn	23:55:41.795	-1.2					T__						814385	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
CJR	1.43	54.4	Sn	23:55:53.915	1.9					T__						814390	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/05	03:09:33.56	0.99	1.22	47.7834	18.3107	6.8	4.9	17	10.0f	17	11	103	0.42	1.66	ke	BUD	19000314	BUD				131

Magnitude Err Nsta Author OrigID  
ML 1.9 0.1 6 BUD 19000314

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.42	184.6	Pg	03:09:41.996	-0.3					T__		96.8		---	ML	1.5	814484	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.42	184.6	Lg	03:09:49.026	-0.4					T__						814485	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=0)																									
EGYH	0.76	241.4	Pn	03:09:50.669	1.5					T__		160.5		---	ML	2.1	814487	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
EGYH	0.76	241.4	Sn	03:10:01.552	0.4					T__						814486	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									



MPLH	0.81	220.7	Pg	03:09:48.852	-0.7	T__					85.3	---	ML	1.9	814492	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.81	220.7	Sn	03:10:02.884	0.5	T__						---			814491	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1)																							
(Station ML: 1.9 magdef=1)																							
MODS	0.91	310.8	Sn	03:10:04.235	-1.3	T__						---			814493	FDSN	SK	--	BUD	iLoc	HHN	???	_
ZST	0.91	297.4	Lg	03:10:03.866	-1.2	T__						---			814494	FDSN	SK	--	BUD	iLoc	HHN	???	_
ET1H	1.06	84.2	Pn	03:09:53.517	0.3	T__						---			814488	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	1.06	84.2	Lg	03:10:10.590	0.1	T__						---			814495	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1)																							
(Station ML: 1.9 magdef=1)																							
PSZ	1.08	82.2	Pn	03:09:54.175	0.5	T__						---			814489	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.08	82.2	Sn	03:10:10.371	0.7	T__						---			814496	FDSN	GE	--	BUD	iLoc	HHE	???	_
(Reading ML: 2.0 magdef=1)																							
(Station ML: 2.0 magdef=1)																							
JAVC	1.16	338.6	Sn	03:10:13.268	1.0	T__						---			814497	FDSN	CZ	--	BUD	iLoc	HHN	???	_
RONA	1.36	267.2	Lg	03:10:19.933	1.5	T__						---			814498	FDSN	OE	--	BUD	iLoc	HHN	???	_
MORH	1.59	171.6	Sn	03:10:22.440	1.1	T__						---			814490	FDSN	HU	--	BUD	iLoc	HHN	???	_
CONA	1.66	275.9	Pn	03:10:04.548	2.6	T__						---			814500	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	1.66	275.9	Sn	03:10:25.071	1.6	T__						---			814499	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.3 magdef=1)																							
(Station ML: 2.3 magdef=0)																							

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/06	01:01:57.77	1.53	0.68	48.1005	21.0377	15.2	6.1	152	10.0f		7	5	210	0.24	1.17	ke	BUD	19000320	BUD			220

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.24	34.6	Pg	01:02:03.186	0.3					T__		87.5			ML	0.9	814629	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.24	34.6	Lg	01:02:06.582	-0.7					T__						814630	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
KECS	0.53	316.3	Lg	01:02:16.305	0.0					T__						814631	FDSN	SK	--	BUD	iLoc	EHN	???	_	
PSZ	0.79	257.1	Lg	01:02:25.133	-0.7					T__						814632	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	0.81	254.6	Pn	01:02:14.583	0.7					T__		50.6			ML	1.7	814635	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.81	254.6	Lg	01:02:25.937	-0.3					T__						814634	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
KOLS	1.17	44.1	Sn	01:02:35.651	-0.5					T__						814633	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/02/06	08:48:09.05	0.94	0.82	47.0610	17.9722	4.7	3.9	110	0.0f		8	5	102	0.17	0.96	sx	BUD	19000322	BUD					194

Magnitude Err Nsta Author OrigID  
ML 1.2 0.1 3 BUD 19000322

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
TIH	0.17	198.6	Pg	08:48:13.256	0.2					T__		426.9			ML	1.4	814657	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TIH	0.17	198.6	Lg	08:48:16.141	-0.2					T__						814662	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									

```

(Station ML: 1.4 magdef=1
MPLH 0.32 290.5 Pg 08:48:16.615 0.7 T__ 114.9 --- ML 1.2 814660 FDSN HU -- BUD iLoc HHZ HHZ _
MPLH 0.32 290.5 Lg 08:48:19.902 -1.4 T__ --- 814659 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
CSKK 0.36 32.9 Pg 08:48:17.139 0.4 T__ 77.9 --- ML 1.2 814661 FDSN HU -- BUD iLoc HHZ HHZ _
CSKK 0.36 32.9 Lg 08:48:22.763 -0.6 T__ --- 814664 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
A267A 0.37 108.0 Lg 08:48:22.732 -0.5 T__ --- 814663 FDSN Z6 00 BUD iLoc HHN ??? _
MORH 0.96 151.1 Lg 08:48:42.544 0.1 T__ --- 814658 FDSN HU -- BUD iLoc HHN ??? _

```

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/02/06 09:28:32.56 1.05 1.57 48.4375 21.4762 9.1 4.2 151 0.0f 7 4 132 0.21 0.77 sx BUD 19000324 BUD 198

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
ABAH 0.21 228.2 Pg 09:28:37.796 0.6 T__ 148.8 --- ML 1.1 814687 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.21 228.2 Lg 09:28:39.914 -1.4 T__ --- 814686 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=1
KECS 0.66 274.3 Lg 09:28:55.251 -0.5 T__ --- 814692 FDSN SK -- BUD iLoc EHN ??? _
KOLS 0.72 46.5 Pg 09:28:46.634 0.1 T__ --- 814688 FDSN SK -- BUD iLoc HHZ ??? _
KOLS 0.72 46.5 Lg 09:28:58.505 0.2 T__ --- 814691 FDSN SK -- BUD iLoc HHN ??? _
TRPA 0.77 113.0 Pg 09:28:48.425 0.7 T__ 72.6 --- ML 1.8 814690 FDSN HU -- BUD iLoc HHZ HHZ _
TRPA 0.77 113.0 Lg 09:28:58.139 -2.6 T__ --- 814689 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/02/06 09:56:33.92 0.94 0.95 47.9285 16.0601 5.8 3.8 24 0.0f 9 6 124 0.13 1.47 sx BUD 19000326 BUD 201

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CONA 0.13 270.0 Pg 09:56:36.463 -0.4 T__ 147.8 --- ML 0.8 814714 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.13 270.0 Lg 09:56:39.111 0.2 T__ --- 814715 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 0.8 magdef=1
(Station ML: 0.8 magdef=1
RONA 0.28 145.1 Pg 09:56:39.531 -0.2 T__ --- 814717 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.28 145.1 Lg 09:56:44.150 0.4 T__ --- 814716 FDSN OE -- BUD iLoc HHN ??? _
ZST 0.75 68.7 Lg 09:57:00.910 0.2 T__ --- 814720 FDSN SK -- BUD iLoc HHN ??? _
KRUC 1.16 11.0 Pg 09:56:56.275 0.2 T__ 68.5 --- ML 2.0 814718 FDSN CZ -- BUD iLoc HHZ HHZ _
KRUC 1.16 11.0 Lg 09:57:11.868 -1.3 T__ --- 814719 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
TREC 1.42 344.7 Lg 09:57:21.258 1.1 T__ --- 814721 FDSN CZ -- BUD iLoc HHN ??? _
CKRC 1.47 308.0 Lg 09:57:23.075 1.5 T__ --- 814722 FDSN CZ -- BUD iLoc HHN ??? _

```

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/07	10:03:03.42	0.97	1.13	48.8414	20.4736	9.2	4.5	68	0.0f		12	7	139	0.59	1.55	sx	BUD	19000328	BUD			145

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.0	5 BUD	19000328

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
NIE	0.59	348.9	Pg	10:03:14.870	0.3					T__		53.1		___	ML	1.6	814771	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.59	348.9	Lg	10:03:21.798	-1.2					T__				---		814770	FDSN	PL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.6 magdef=1 Station ML: 1.6 magdef=0)																									
ABAH	0.75	136.7	Pg	10:03:18.496	0.3					T__		147.4		___	ML	2.1	814773	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.75	136.7	Lg	10:03:28.888	-1.6					T__				---		814772	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1 Station ML: 2.1 magdef=1)																									
PSZ	1.00	202.9	Pn	10:03:24.718	0.8					T__		104.0		___	ML	2.1	814767	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.00	202.9	Lg	10:03:38.788	-0.4					T__				---		814768	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1 Station ML: 2.1 magdef=1)																									
ET1H	1.04	202.9	Pn	10:03:25.894	1.6					T__		95.4		___	ML	2.1	814774	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	1.04	202.9	Sn	10:03:39.686	-1.0					T__				---		814769	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1 Station ML: 2.1 magdef=1)																									
KOLS	1.19	84.9	Pg	10:03:26.557	0.6					T__				---		814766	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
OJC	1.45	342.6	Pn	10:03:31.301	0.9					T__		131.6		___	ML	2.4	814776	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
OJC	1.45	342.6	Sn	10:03:51.572	0.0					T__				---		814775	FDSN	PL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.4 magdef=1 Station ML: 2.4 magdef=0)																									
TRPA	1.55	116.6	Sn	10:03:54.504	1.2					T__				---		814777	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/07	12:01:01.78	1.15	1.02	47.2197	18.1737	9.6	6.7	125	0.0f		5	3	139	0.16	1.06	sx	BUD	19000330	BUD			258

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
CSKK	0.16	22.4	Pg	12:01:05.890	0.4					T__		254.2		___	ML	1.1	814843	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.16	22.4	Lg	12:01:08.071	-0.9					T__				---		814844	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1 Station ML: 1.1 magdef=1)																									
MPLH	0.44	263.7	Lg	12:01:17.571	-0.4					T__				---		814845	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MORH	1.06	162.0	Pn	12:01:23.266	0.8					T__		52.2		___	ML	1.8	814847	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	1.06	162.0	Lg	12:01:37.541	-0.6					T__				---		814846	FDSN	HU	--	BUD	iLoc	HHE	???	_	
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/07	12:04:33.25	0.91	1.39	47.2112	18.2204	5.8	4.6	103	0.0f		9	5	135	0.15	1.13	sx	BUD	19000332	BUD			240

Magnitude Err Nsta Author OrigID  
ML 1.6 0.1 3 BUD 19000332

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CSKK	0.15	10.2	Pg	12:04:37.195	0.2					T__		619.7		---	ML	1.5 814939	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.15	10.2	Lg	12:04:39.959	-0.5					T__				---		814942	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=1)																								
A267A	0.32	145.9	Lg	12:04:44.418	-1.4					T__				---		814943	FDSN	Z6	00	BUD	iLoc	HHN	???	_
MPLH	0.47	265.2	Pg	12:04:43.684	0.7					T__		99.8		---	ML	1.6 814940	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.47	265.2	Lg	12:04:48.736	-1.7					T__				---		814947	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1 Station ML: 1.6 magdef=1)																								
MORH	1.04	163.6	Pn	12:04:55.206	1.5					T__		58.4		---	ML	1.8 814945	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	1.04	163.6	Lg	12:05:08.343	-0.7					T__				---		814944	FDSN	HU	--	BUD	iLoc	HHN	???	_
MORH	1.04	163.6	Sg	12:05:10.485	1.4					T__				---		814941	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=1)																								
KOVH	1.13	184.3	Sn	12:05:10.970	-1.2					T__				---		814946	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/07	12:45:39.32	1.07	0.60	47.8873	16.0910	9.1	3.9	39	0.0f		9	6	133	0.16	1.51	sx	BUD	19000334	BUD			201

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CONA	0.16	285.0	Pg	12:45:42.423	-0.3					T__		154.3		---	ML	0.9 814974	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.16	285.0	Lg	12:45:44.989	-0.2					T__				---		814975	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 0.9 magdef=1 Station ML: 0.9 magdef=1)																								
RONA	0.23	143.5	Pg	12:45:43.920	-0.3					T__				---		814977	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.23	143.5	Lg	12:45:47.854	0.2					T__				---		814976	FDSN	OE	--	BUD	iLoc	HHN	???	_
ARSA	0.74	211.3	Lg	12:46:04.019	0.9					T__				---		814978	FDSN	OE	--	BUD	iLoc	HHN	???	_
KRUC	1.19	9.7	Pg	12:46:02.651	0.5					T__		76.5		---	ML	2.0 814980	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.19	9.7	Sn	12:46:19.672	0.0					T__				---		814979	FDSN	CZ	--	BUD	iLoc	HHE	???	_
(Reading ML: 2.0 magdef=1 Station ML: 2.0 magdef=1)																								
TREC	1.46	344.3	Sn	12:46:26.809	0.7					T__				---		814981	FDSN	CZ	--	BUD	iLoc	HHN	???	_
CKRC	1.51	308.8	Lg	12:46:28.935	0.6					T__				---		814982	FDSN	CZ	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/08	09:30:47.04	0.91	1.10	46.8990	17.3336	5.7	3.8	31	0.0f		17	15	84	0.14	1.97	sx	BUD	19000340	BUD			104

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A261A	0.14	292.8	Pg	09:30:49.979	-0.5					T__		5202.9		---	ML	2.4 815074	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A261A	0.14	292.8	Lg	09:30:52.342	-0.9					T__				---		815077	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.4 magdef=1 Station ML: 2.4 magdef=1)																								

MPLH	0.31	27.4	Lg	09:30:59.070	0.0	T__	---	815078	FDSN	HU	--	BUD	iLoc	HNN	???	_		
TIH	0.38	89.6	Lg	09:31:01.644	0.2	T__	---	815079	FDSN	HU	--	BUD	iLoc	HNN	???	_		
A266A	0.74	119.9	Lg	09:31:13.885	0.8	T__	---	815080	FDSN	Z6	00	BUD	iLoc	HNN	???	_		
CSKK	0.78	53.4	Lg	09:31:15.564	-0.4	T__	---	815082	FDSN	HU	--	BUD	iLoc	HNN	???	_		
A267A	0.79	86.1	Lg	09:31:14.471	-1.2	T__	---	815075	FDSN	Z6	00	BUD	iLoc	HNN	???	_		
KOGS	0.87	239.2	Lg	09:31:16.090	0.5	T__	---	815081	FDSN	SL	--	BUD	iLoc	BHN	???	_		
SOP	0.95	326.4	Lg	09:31:19.019	0.2	T__	---	815076	FDSN	HU	--	BUD	iLoc	HNN	???	_		
KOVH	0.97	146.6	Pg	09:31:07.343	0.6	T__	85.7	ML	2.0	815084	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.97	146.6	Lg	09:31:19.574	-0.8	T__	---	815083	FDSN	HU	--	BUD	iLoc	HNN	???	_		
(Reading ML: 2.0 magdef=1)																		
(Station ML: 2.0 magdef=1)																		
RONA	1.07	319.0	Lg	09:31:23.050	0.6	T__	---	815085	FDSN	OE	--	BUD	iLoc	HNN	???	_		
MORH	1.13	126.7	Sn	09:31:24.773	-0.9	T__	---	815086	FDSN	HU	--	BUD	iLoc	HNN	???	_		
ARSA	1.29	286.5	Lg	09:31:29.232	1.2	T__	---	815087	FDSN	OE	--	BUD	iLoc	HNN	???	_		
CONA	1.44	316.4	Sn	09:31:35.028	1.6	T__	---	815088	FDSN	OE	--	BUD	iLoc	HNN	???	_		
CRES	1.69	231.1	Lg	09:31:41.754	-2.0	T__	---	815089	FDSN	SL	--	BUD	iLoc	BHN	???	_		
JAVC	1.97	6.5	Lg	09:31:55.740	1.8	T__	---	815090	FDSN	CZ	--	BUD	iLoc	HNN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/08	09:44:44.09	1.06	1.00	48.5592	20.7841	7.3	4.1	4	0.0f		11	7	91	0.21	1.25	sx	BUD	19000342	BUD			179

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.2	4 BUD	19000342

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KECS	0.21	249.1	Pg	09:44:48.693	0.1					T__		973.7		---	ML	1.9	815118	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.21	249.1	Lg	09:44:52.339	0.3					T__				---		815120	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
ABAH	0.40	130.8	Pg	09:44:53.004	0.6					T__		116.6		---	ML	1.5	815119	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.40	130.8	Lg	09:44:58.114	-1.2					T__				---		815121	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
PSZ	0.87	223.2	Pn	09:45:03.058	0.4					T__		143.5		---	ML	2.1	815117	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.87	223.2	Lg	09:45:14.898	-0.8					T__				---		815123	FDSN	GE	--	BUD	iLoc	HNN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
ET1H	0.91	222.2	Pn	09:45:03.761	0.7					T__		91.7		---	ML	2.0	815116	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.91	222.2	Lg	09:45:15.863	-0.7					T__				---		815124	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
NIE	0.92	339.8	Lg	09:45:14.115	-0.3					T__				---		815122	FDSN	PL	--	BUD	iLoc	BHN	???	_	
KOLS	1.05	68.6	Lg	09:45:18.857	-1.7					T__				---		815125	FDSN	SK	--	BUD	iLoc	HNN	???	_	
TRPA	1.25	109.5	Sn	09:45:25.462	-1.1					T__				---		815126	FDSN	HU	--	BUD	iLoc	HNN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/02/08	09:50:55.08	1.46	0.74	48.4613	17.5931	11.7	3.6	121	0.0f		11	6	223	0.23	1.62	sx	BUD	19000344	BUD					283

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.2	3 BUD	19000344

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.23	247.5	Pg	09:51:00.171	-0.1					T__						815155	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.23	247.5	Lg	09:51:03.431	-1.0					T__						815158	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.40	7.3	Pg	09:51:03.613	-0.0					T__		168.9		---	ML	1.6	815156	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.40	7.3	Lg	09:51:10.092	-0.3					T__						815161	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
ZST	0.42	231.2	Pg	09:51:04.281	0.4					T__						815160	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
ZST	0.42	231.2	Lg	09:51:09.707	-1.0					T__						815159	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KRUC	0.99	307.6	Pg	09:51:14.754	0.6					T__		100.6		---	ML	2.1	815157	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	0.99	307.6	Lg	09:51:28.503	-0.3					T__						815162	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
CONA	1.28	245.9	Pn	09:51:20.636	0.8					T__		90.0		---	ML	2.2	815164	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	1.28	245.9	Lg	09:51:37.656	1.0					T__						815163	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
TREC	1.62	301.8	Sn	09:51:46.699	-0.1					T__						815165	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/08	11:04:49.96	1.47	0.61	47.9424	20.1245	17.4	4.5	149	0.0f		7	5	193	0.16	0.59	sx	BUD	19000346	BUD			225

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.16	261.3	Pg	11:04:54.354	0.4					T__		314.4		---	ML	1.2	815262	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.16	261.3	Lg	11:04:56.935	-0.3					T__						815264	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
ET1H	0.18	249.7	Pg	11:04:54.483	0.2					T__		359.3		---	ML	1.4	815261	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.18	249.7	Lg	11:04:56.735	-0.9					T__						815263	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
HU02A	0.32	56.0	Lg	11:05:02.619	-0.1					T__						815265	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU03A	0.36	264.0	Lg	11:05:03.258	-0.1					T__						815266	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KECS	0.59	23.9	Lg	11:05:10.390	-0.6					T__						815267	FDSN	SK	--	BUD	iLoc	EHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/08	15:07:43.56	1.30	0.79	45.9267	16.1414	10.9	5.1	127	10.0f		8	5	188	0.12	0.70	ke	BUD	19000350	BUD			219

Magnitude Err Nsta Author OrigID  
ML 1.7 0.2 3 BUD 19000350

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PTJ	0.12	260.8	Pg	15:07:46.822	-0.1					T__		114.6		---	ML	0.7	815390	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.12	260.8	Lg	15:07:48.420	-1.2					T__						815391	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 0.7 magdef=1)																									
(Station ML: 0.7 magdef=1)																									
ZAG	0.15	227.3	Pg	15:07:47.020	-0.0					T__		1023.8		---	ML	1.7	815393	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_

```

ZAG 0.15 227.3 Lg 15:07:49.800 0.2 T__ --- 815392 FDSN CR -- BUD iLoc BHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
CRES 0.49 258.4 Pg 15:07:54.194 1.0 T__ 151.7 --- ML 1.8 815394 FDSN SL -- BUD iLoc BHZ BHZ _
CRES 0.49 258.4 Lg 15:08:00.437 -0.1 T__ --- 815395 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
KOGS 0.53 8.2 Lg 15:08:01.421 0.3 T__ --- 815396 FDSN SL -- BUD iLoc BHN ??? _
BEHE 0.70 38.8 Lg 15:08:06.339 -0.7 T__ --- 815397 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/02/09 08:51:56.60 1.10 1.00 48.0843 20.7036 7.8 4.3 154 0.0f 8 5 162 0.42 1.23 sx BUD 19000354 BUD 190
2023/02/09 08:51:56.36 0.98 1.09 48.0471 20.6805f 0.0f 8 5 167 0.45 1.25 kx BUD_GT 19000355 BUD_GT 196
(locality: Miskolc-Mexikóvölgy Hungary)
(GT info : GT2 explosion)

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Magnitude Err Nsta Author OrigID
ML 1.8 0.1 3 BUD_GT 19000355

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
ABAH 0.45 56.1 Pg 08:52:05.709 0.1 T__ 92.7 --- ML 1.5 815502 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.45 56.1 Lg 08:52:11.332 -2.1 T__ --- 815505 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
KECS 0.46 343.5 Pg 08:52:05.645 0.0 T__ 215.2 --- ML 1.9 815503 FDSN SK -- BUD iLoc EHN EHZ _
KECS 0.46 343.5 Lg 08:52:11.653 -1.1 T__ --- 815506 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
PSZ 0.54 256.6 Lg 08:52:16.972 0.2 T__ --- 815507 FDSN GE -- BUD iLoc HHN ??? _
ET1H 0.57 253.1 Pg 08:52:10.071 1.6 T__ 101.7 --- ML 1.8 815504 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.57 253.1 Lg 08:52:17.106 -0.1 T__ --- 815508 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
TRPA 1.25 85.5 Sn 08:52:38.198 -0.5 T__ --- 815509 FDSN HU -- BUD iLoc HHN ??? _

```

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/02/09 09:19:58.60 3.78 0.43 48.5928 19.7208 25.0 7.0 134 0.0f 7 4 289 0.52 1.05 sx BUD 19000356 BUD 293

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Magnitude Err Nsta Author OrigID
ML 2.2 0.2 3 BUD 19000356

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
KECS 0.52 101.9 Pg 09:20:09.032 -0.0 T__ 254.0 --- ML 2.2 815533 FDSN SK -- BUD iLoc EHE EHZ _
KECS 0.52 101.9 Lg 09:20:17.277 0.3 T__ --- 815536 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
PSZ 0.68 170.2 Lg 09:20:23.263 -0.4 T__ --- 815537 FDSN GE -- BUD iLoc HHN ??? _
ET1H 0.72 171.9 Pg 09:20:13.994 0.2 T__ 134.5 --- ML 2.0 815532 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.72 171.9 Lg 09:20:24.629 0.1 T__ --- 815538 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1

```

(Station ML: 2.0 magdef=1  
 ABAH 1.05 105.8 Pn 09:20:18.918 -0.6 T\_\_ 161.2 --- ML 2.3 815534 FDSN HU -- BUD iLoc HHZ HHZ \_  
 ABAH 1.05 105.8 Lg 09:20:34.823 -0.3 T\_\_ --- 815535 FDSN HU -- BUD iLoc HHN ??? \_  
 (Reading ML: 2.3 magdef=1  
 (Station ML: 2.3 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/09	09:41:03.08	1.00	0.84	48.8122	21.2093	6.4	4.7	163	0.0f	8	5	124	0.52	1.25	sx	BUD	19000358	BUD				221

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
ABAH	0.52	177.7	Lg	09:41:21.853	-0.4					T__						815568	FDSN	HU	--	BUD	iLoc	HHN	???	_		
KECS	0.58	235.8	Pg	09:41:15.203	0.5					T__		94.2			ML	1.8	815561	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_	
KECS	0.58	235.8	Lg	09:41:22.516	-1.0					T__						815564	FDSN	SK	--	BUD	iLoc	EHN	???	_		
(Reading ML: 1.8 magdef=1 (Station ML: 1.8 magdef=1																										
KOLS	0.71	79.8	Pg	09:41:17.191	0.4					T__						815562	FDSN	SK	--	BUD	iLoc	HHZ	???	_		
KOLS	0.71	79.8	Lg	09:41:26.899	-1.4					T__						815565	FDSN	SK	--	BUD	iLoc	HHN	???	_		
NIE	0.85	315.8	Pg	09:41:19.294	0.1					T__		69.0			ML	1.8	815563	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_	
NIE	0.85	315.8	Lg	09:41:31.183	-0.1					T__						815566	FDSN	PL	--	BUD	iLoc	BHN	???	_		
(Reading ML: 1.8 magdef=1 (Station ML: 1.8 magdef=1																										
PSZ	1.25	224.9	Sn	09:41:46.050	0.0					T__						815567	FDSN	GE	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/02/09	09:45:57.36	1.13	1.27	47.7265	19.2417	51.3	5.0	154	0.0f	8	6	171	0.45	1.54	sx	BUD	19000360	BUD					175	
2023/02/09	09:45:56.01	1.36	1.08	47.8327	19.1394f				0.0f	8	6	147	0.50	1.42	kx	BUD_GT	19000361	BUD_GT						174

(locality: Sejce-Vác Hungary)  
 (GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
ET1H	0.50	84.3	Lg	09:46:13.696	-0.7					T__						815590	FDSN	HU	--	BUD	iLoc	HHN	???	_		
PSZ	0.52	80.1	Lg	09:46:15.010	-0.5					T__						815591	FDSN	GE	--	BUD	iLoc	HHN	???	_		
CSKK	0.76	232.0	Pn	09:46:13.714	0.8					T__		94.8			ML	1.9	815593	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
CSKK	0.76	232.0	Lg	09:46:23.122	-0.6					T__						815592	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.9 magdef=1 (Station ML: 1.9 magdef=0																										
KECS	1.11	53.7	Pn	09:46:19.195	1.4					T__		68.2			ML	2.0	815595	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_	
KECS	1.11	53.7	Sn	09:46:35.703	0.7					T__						815594	FDSN	SK	--	BUD	iLoc	EHN	???	_		
(Reading ML: 2.0 magdef=1 (Station ML: 2.0 magdef=0																										
MPLH	1.27	239.2	Sn	09:46:40.541	1.6					T__						815596	FDSN	HU	--	BUD	iLoc	HHN	???	_		
JAVC	1.42	316.9	Lg	09:46:47.121	1.1					T__						815589	FDSN	CZ	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/02/09	11:41:56.90	1.33	1.00	46.1346	22.8740	25.5	7.2	80	0.0f	4	3	165	0.67	0.93	sx	BUD	19000362	BUD						312



Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
DRGR	0.67	350.3	Pg	11:42:10.635	0.3					T__		74.2		---	ML	1.7	815612	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	0.67	350.3	Lg	11:42:20.311	-0.9					T__				---		815613	FDSN	RO	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.7 magdef=1																					
				(Station ML: 1.7 magdef=0																					
GZR	0.74	185.3	Lg	11:42:21.442	-0.2					T__				---		815614	FDSN	RO	--	BUD	iLoc	HHN	???	_	
LOT	0.93	137.3	Lg	11:42:28.081	-0.2					T__				---		815615	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/09	12:15:48.56	0.90	0.49	47.8819	16.0641	5.5	3.3	26	0.0f		12	7	78	0.14	1.50	sx	BUD	19000364	BUD			149

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.1	3 BUD	19000364

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
CONA	0.14	288.9	Pg	12:15:51.468	-0.2					T__		405.5		---	ML	1.3	815666	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.14	288.9	Lg	12:15:53.670	-0.2					T__				---		815667	FDSN	OE	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.3 magdef=1																					
				(Station ML: 1.3 magdef=1																					
RONA	0.24	139.3	Pg	12:15:53.392	-0.2					T__				---		815668	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.24	139.3	Lg	12:15:56.878	-0.3					T__				---		815674	FDSN	OE	--	BUD	iLoc	HHN	???	_	
SOP	0.39	120.6	Pg	12:15:56.771	0.2					T__		102.0		---	ML	1.4	815669	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.39	120.6	Lg	12:16:02.138	0.1					T__				---		815675	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.4 magdef=1																					
				(Station ML: 1.4 magdef=1																					
ARSA	0.73	210.3	Lg	12:16:12.412	0.5					T__				---		815670	FDSN	OE	--	BUD	iLoc	HHN	???	_	
MODS	0.95	58.4	Pg	12:16:08.050	0.2					T__				---		815671	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.95	58.4	Lg	12:16:22.141	-0.4					T__				---		815676	FDSN	SK	--	BUD	iLoc	HHE	???	_	
KRUC	1.20	10.4	Pg	12:16:11.642	0.0					T__		114.7		---	ML	2.2	815672	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.20	10.4	Sn	12:16:28.791	-0.3					T__				---		815673	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.2 magdef=1																					
				(Station ML: 2.2 magdef=1																					
CKRC	1.50	309.4	Lg	12:16:38.426	1.2					T__				---		815677	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/10	08:28:11.31	1.06	1.01	47.5071	18.6854	18.7	4.0	160	0.0f		8	6	175	0.23	1.29	sx	BUD	19000374	BUD			179

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
BUD	0.23	95.7	Lg	08:28:21.090	0.1					T__				---		816057	FDSN	HU	--	BUD	iLoc	HHN	???	_	
CSKK	0.32	243.6	Pg	08:28:18.250	0.0					T__		194.9		---	ML	1.5	816056	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.32	243.6	Lg	08:28:23.724	-0.4					T__				---		816058	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.5 magdef=1																					
				(Station ML: 1.5 magdef=1																					
MPLH	0.85	247.0	Lg	08:28:41.322	0.3					T__				---		816059	FDSN	HU	--	BUD	iLoc	HHN	???	_	
ET1H	0.88	64.6	Lg	08:28:42.555	-0.6					T__				---		816055	FDSN	HU	--	BUD	iLoc	HHN	???	_	

PSZ	0.91	62.8	Pn	08:28:31.657	1.1	T__	133.9	___	ML	2.1	816054	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.91	62.8	Lg	08:28:44.700	0.1	T__		---			816060	FDSN	GE	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.1 magdef=1)																			
(Station ML: 2.1 magdef=1)																			
MORH	1.29	181.3	Sn	08:28:52.577	-1.8	T__		---			816061	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/10	09:15:19.07	1.01	0.43	46.1613	18.2972	10.1	3.7	156	0.0f		5	3	164	0.16	0.37	sx	BUD	19000376	BUD			279

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
KOVH	0.16	242.0	Pg	09:15:23.071	0.2					T__		303.0	---	ML	1.2	816105	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.16	242.0	Lg	09:15:25.338	-0.5					T__			---			816106	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.2 magdef=1)																								
(Station ML: 1.2 magdef=1)																								
MORH	0.25	77.3	Pg	09:15:24.675	0.1					T__		140.2	---	ML	1.1	816108	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.25	77.3	Lg	09:15:28.866	-0.1					T__			---			816107	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.1 magdef=1)																								
(Station ML: 1.1 magdef=1)																								
A266A	0.37	356.5	Lg	09:15:32.843	-0.1					T__			---			816109	FDSN	Z6	00	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/02/10	10:00:03.60	0.86	1.30	48.4222	17.2605	5.3	2.7	102	0.0f		21	13	115	0.05	1.66	sx	BUD	19000378	BUD					139

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.1	5 BUD	19000378

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MODS	0.05	167.0	Pg	10:00:05.409	0.1					T__			---			816146	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.05	167.0	Lg	10:00:06.243	-0.7					T__			---			816154	FDSN	SK	--	BUD	iLoc	HHN	???	_
ZST	0.25	205.1	Pg	10:00:09.215	0.1					T__			---			816147	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.25	205.1	Lg	10:00:12.017	-1.5					T__			---			816155	FDSN	SK	--	BUD	iLoc	HHN	???	_
JAVC	0.51	31.7	Pg	10:00:15.545	1.1					T__		260.9	---	ML	2.1	816148	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.51	31.7	Lg	10:00:20.570	-2.2					T__			---			816156	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.1 magdef=1)																								
(Station ML: 2.1 magdef=1)																								
KRUC	0.86	318.5	Pg	10:00:21.361	1.3					T__		103.3	---	ML	2.0	816149	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	0.86	318.5	Lg	10:00:29.508	-3.3					T__			---			816157	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.0 magdef=1)																								
(Station ML: 2.0 magdef=1)																								
SOP	0.88	212.8	Lg	10:00:33.143	0.5					T__			---			816158	FDSN	HU	--	BUD	iLoc	HHN	???	_
RONA	0.97	222.2	Pg	10:00:22.302	-0.6					T__			---			816150	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.97	222.2	Lg	10:00:35.880	0.3					T__			---			816160	FDSN	OE	--	BUD	iLoc	HHN	???	_
VRAC	0.99	333.8	Pn	10:00:24.354	0.2					T__		27.4	---	ML	1.5	816151	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
VRAC	0.99	333.8	Lg	10:00:35.538	-1.4					T__			---			816159	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.5 magdef=1)																								
(Station ML: 1.5 magdef=0)																								
CONA	1.06	242.7	Pg	10:00:24.868	0.4					T__		99.2	---	ML	2.1	816152	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	1.06	242.7	Lg	10:00:38.788	0.6					T__			---			816161	FDSN	OE	--	BUD	iLoc	HHN	???	_

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(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
CSKK 1.26 147.2 Sn 10:00:46.135 -0.2 T__ --- 816162 FDSN HU -- BUD iLoc HHN ??? _
MPLH 1.27 171.4 Sn 10:00:46.367 0.0 T__ --- 816163 FDSN HU -- BUD iLoc HHN ??? _
MORC 1.37 7.7 Pg 10:00:29.828 0.8 T__ 137.6 --- ML 2.4 816153 FDSN CZ -- BUD iLoc HHZ HHZ _
MORC 1.37 7.7 Lg 10:00:48.431 0.3 T__ --- 816164 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=0
TREC 1.46 307.4 Lg 10:00:50.366 -0.6 T__ --- 816165 FDSN CZ -- BUD iLoc HHN ??? _
ARSA 1.66 225.6 Lg 10:00:58.540 2.3 T__ --- 816166 FDSN OE -- BUD iLoc HHN ??? _

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/10	14:40:42.50	2.12	0.81	46.1441	21.5538	19.2	6.8	111	0.0f		6	3	235	0.53	1.14	sx	BUD	19000380	BUD			315

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.2	3 BUD	19000380

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
BZS	0.53	175.2	Pg	14:40:53.285	0.3					T__		54.2		---	ML	1.5	816238	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.53	175.2	Lg	14:40:59.807	-0.8					T__				---		816239	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1 (Station ML: 1.5 magdef=1																									
DRGR	1.03	50.6	Pg	14:41:03.100	0.1					T__		114.4		---	ML	2.1	816236	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	1.03	50.6	Lg	14:41:17.320	-0.8					T__				---		816237	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1 (Station ML: 2.1 magdef=1																									
GZR	1.14	130.8	Pg	14:41:04.768	0.6					T__		75.4		---	ML	2.0	816241	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	1.14	130.8	Lg	14:41:19.736	-0.3					T__				---		816240	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1 (Station ML: 2.0 magdef=1																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/02/12	11:50:31.00	1.63	1.59	45.7248	21.8749	21.6	12.5	152	35.0f		6	3	148	0.21	1.36	ke	BUD	19000388	BUD				270

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.4	3 BUD	19000388

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
BZS	0.21	239.3	Pn	11:50:37.486	-0.2					---		109.6		---	ML	0.9	816485	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.21	239.3	Sn	11:50:41.923	0.0					T__				---		816486	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1 (Station ML: 0.9 magdef=1																									
GZR	0.72	117.3	Pn	11:50:44.443	-0.2					T__		86.0		---	ML	1.8	816484	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	0.72	117.3	Sn	11:50:53.682	-1.2					T__				---		816487	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1 (Station ML: 1.8 magdef=1																									
DRGR	1.21	28.2	Pn	11:50:51.673	0.3					T__		79.9		---	ML	2.1	816482	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	1.21	28.2	Sn	11:51:05.989	-1.0					T__				---		816483	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1 (Station ML: 2.1 magdef=1																									

LOT 1.36 101.1 Sn 11:51:13.103 2.2 T\_\_ --- 816488 FDSN RO -- BUD iLoc HHN ??? \_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
2023/02/12 16:58:55.46 0.95 0.79 47.9382 16.4729 5.9 4.2 134 10.0f 10 7 108 0.26 1.13 ke BUD 19000390 BUD 148

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
SOP	0.26	167.2	Lg	16:59:05.605	0.6					T__						816536	FDSN	HU	--	BUD	iLoc	HHN	???	_	
RONA	0.27	206.6	Pg	16:59:01.122	-0.1					T__						816533	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.27	206.6	Lg	16:59:04.382	-0.9					T__						816532	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.41	268.8	Pg	16:59:04.309	0.4					T__	75.8				ML	1.3	816530	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.41	268.8	Lg	16:59:09.074	-0.6					T__						816531	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=0)																									
ZST	0.49	58.3	Lg	16:59:12.190	-1.0					T__						816537	FDSN	SK	--	BUD	iLoc	HHE	???	_	
MODS	0.69	50.7	Lg	16:59:20.652	0.6					T__						816538	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ARSA	0.94	223.4	Lg	16:59:26.440	0.8					T__						816539	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.13	357.4	Pn	16:59:16.716	0.1					T__	74.0				ML	2.0	816535	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.13	357.4	Sn	16:59:33.149	0.9					T__						816534	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=0)																									

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
2023/02/13 08:20:17.41 1.28 1.47 47.3101 18.3187 11.3 5.8 71 0.0f 8 6 107 0.07 1.27 sx BUD 19000394 BUD 194

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.07	323.3	Pg	08:20:19.528	0.1					T__		1479.6			ML	1.7	816644	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.07	323.3	Lg	08:20:20.587	-0.9					T__						816645	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
MPLH	0.55	255.5	Lg	08:20:37.559	0.3					T__						816646	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MORH	1.12	168.4	Lg	08:20:55.088	-0.8					T__						816647	FDSN	HU	--	BUD	iLoc	HHE	???	_	
ET1H	1.20	61.0	Sn	08:20:57.060	-1.3					T__						816648	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	1.23	59.7	Pn	08:20:43.475	2.5					T__	100.2				ML	2.2	816649	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.23	59.7	Sn	08:21:00.164	0.5					T__						816651	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
MODS	1.27	327.0	Sn	08:20:59.851	-0.9					T__						816650	FDSN	SK	--	BUD	iLoc	HHE	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
2023/02/13 09:18:31.95 1.40 2.10 48.2405 21.4859 13.0 5.5 174 0.0f 11 8 102 0.17 1.67 sx BUD 19000396 BUD 153

Magnitude Err Nsta Author OrigID  
ML 2.2 0.4 3 BUD 19000396

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
-----	------	------	-------	------	------	------	-------	------	------	-----	-----	-----	-----	------	-----------	-------	-----	--------	----	------	-----	-----	-----	---

ABAH	0.17	288.8	Pg	09:18:35.897	-0.0	T__	485.3	---	ML	1.5	816676	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.17	288.8	Lg	09:18:39.211	-0.2	T__		---			816679	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.5 magdef=1)																			
(Station ML: 1.5 magdef=1)																			
TRPA	0.71	98.5	Lg	09:18:56.895	-1.2	T__		---			816678	FDSN	HU	--	BUD	iLoc	HHN	???	_
KOLS	0.87	36.7	Pg	09:18:49.153	0.6	T__		---			816677	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	0.87	36.7	Lg	09:18:59.872	-2.8	T__		---			816680	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	1.11	253.8	Sn	09:19:10.869	-0.6	T__		---			816681	FDSN	GE	--	BUD	iLoc	HHN	???	_
ET1H	1.14	252.1	Sn	09:19:10.535	-1.1	T__		---			816682	FDSN	HU	--	BUD	iLoc	HHN	???	_
MEZ	1.38	77.8	Sn	09:19:14.477	-4.1	T__		---			816683	FDSN	UA	--	BUD	iLoc	BHN	???	_
NIE	1.42	326.8	Pg	09:18:59.668	1.0	T__	74.4	---	ML	2.2	816685	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	1.42	326.8	Lg	09:19:18.000	-1.3	T__		---			816684	FDSN	PL	--	BUD	iLoc	BHN	???	_
(Reading ML: 2.2 magdef=1)																			
(Station ML: 2.2 magdef=1)																			
DRGR	1.67	149.7	Pn	09:19:03.835	2.2	T__	98.5	---	ML	2.4	816686	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.4 magdef=1)																			
(Station ML: 2.4 magdef=1)																			

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/13	09:32:11.74	1.28	2.40	47.2974	18.3165	26.0	5.6	71	0.0f		7	5	142	0.08	1.24	sx	BUD	19000398	BUD			232

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
CSKK	0.08	329.9	Pg	09:32:14.260	0.3					T__		1751.8		---	ML	1.8	816708	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.08	329.9	Lg	09:32:15.374	-0.8					T__				---		816711	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
MORH	1.11	168.2	Lg	09:32:49.331	-0.5					T__				---		816712	FDSN	HU	--	BUD	iLoc	HHN	???	_	
ET1H	1.20	60.5	Sn	09:32:49.398	-3.5					T__				---		816713	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOVH	1.22	187.1	Sn	09:32:53.225	0.3					T__				---		816710	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	1.24	59.2	Pn	09:32:37.011	1.6					T__	114.3			---	ML	2.2	816709	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.24	59.2	Sn	09:32:51.492	-2.7					T__				---		816714	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/02/13	10:00:23.71	1.91	0.97	46.1112	18.0906	15.5	4.4	103	0.0f		6	4	176	0.02	1.13	sx	BUD	19000400	BUD					265

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
KOVH	0.02	164.3	Pg	10:00:24.869	0.1					T__		1076.0		---	ML	1.4	816733	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.02	164.3	Lg	10:00:26.045	-0.1					T__				---		816735	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
MORH	0.40	74.7	Pg	10:00:32.318	0.2					T__	51.8			---	ML	1.1	816734	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.40	74.7	Lg	10:00:38.351	-0.3					T__				---		816736	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									

A266A	0.43	16.2	Lg	10:00:39.739	-0.1				T__						816737	FDSN	Z6	00	BUD	iLoc	HHN	???	_
MPLH	1.13	340.5	Sn	10:01:00.701	-1.6				T__						816738	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/13	10:32:20.84	1.00	0.36	47.8948	16.0766	6.8	4.0	25	0.0f		8	6	87	0.15	1.46	sx	BUD	19000402	BUD			159

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.15	283.1	Pg	10:32:23.773	-0.3					T__		208.2			ML	1.0	816777	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.15	283.1	Lg	10:32:26.676	0.3					T__						816778	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=0)																									
RONA	0.25	142.7	Pg	10:32:25.836	-0.2					T__						816780	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.25	142.7	Lg	10:32:29.580	-0.0					T__						816779	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.75	210.4	Lg	10:32:45.121	0.5					T__						816781	FDSN	OE	--	BUD	iLoc	HHN	???	_	
MODS	0.94	58.8	Lg	10:32:54.632	0.3					T__						816782	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KRUC	1.19	10.2	Sn	10:33:00.935	-0.1					T__						816783	FDSN	CZ	--	BUD	iLoc	HHE	???	_	
VRAC	1.46	13.4	Sn	10:33:07.963	0.3					T__						816784	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/13	11:00:52.65	1.24	1.32	47.2062	18.1802	9.6	6.8	124	0.0f		5	4	142	0.17	1.32	sx	BUD	19000404	BUD			246

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.17	19.2	Pg	11:00:57.242	0.6					T__		239.0			ML	1.1	816799	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.17	19.2	Lg	11:00:58.813	-1.4					T__						816800	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=0)																									
MPLH	0.44	265.5	Lg	11:01:08.380	-0.6					T__						816801	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MORH	1.04	162.0	Lg	11:01:27.840	-0.8					T__						816802	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MODS	1.32	332.8	Sn	11:01:37.511	0.5					T__						816803	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/13	12:43:58.81	1.13	0.38	47.8948	16.0699	12.8	4.1	34	0.0f		6	3	141	0.14	1.19	sx	BUD	19000410	BUD			273

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.14	283.5	Pg	12:44:02.154	0.2					T__		194.3			ML	1.0	816905	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.14	283.5	Lg	12:44:03.637	-0.5					T__						816910	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
RONA	0.25	141.9	Pg	12:44:04.017	-0.0					T__						816906	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.25	141.9	Lg	12:44:07.763	0.1					T__						816907	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.19	10.4	Pg	12:44:21.609	0.0					T__		95.6			ML	2.1	816908	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.19	10.4	Sn	12:44:39.318	0.3					T__						816909	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									

(Station ML: 2.1 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/14	00:09:34.12	1.28	0.86	48.1357	20.4333	18.7	5.4	149	22.0	13.3	8	5	193	0.42	0.84	ke	BUD	19000446	BUD			308

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.0	3 BUD	19000446

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.42	239.2	Pn	00:09:44.182	0.3					T__		80.6		___	ML	1.4	820037	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.42	239.2	Sn	00:09:50.719	-1.3					T__				---		820041	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1 (Station ML: 1.4 magdef=1																									
ET1H	0.46	236.0	Pb	00:09:44.550	0.1					T__		60.2		___	ML	1.3	820038	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.46	236.0	Sn	00:09:51.890	-0.4					T__				---		820042	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1 (Station ML: 1.3 magdef=1																									
HU23A	0.51	194.0	Sn	00:09:53.729	0.3					T__				---		820043	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ABAH	0.56	73.1	Pb	00:09:46.062	0.4					T__		82.4		___	ML	1.7	820039	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.56	73.1	Sb	00:09:53.512	-0.9					T__				---		820044	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=1																									
BSZH	0.84	187.7	Sb	00:10:03.688	-0.1					T__				---		820040	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/14	09:57:44.51	1.44	0.30	48.2970	19.9285	14.9	5.9	107	0.0f		5	4	186	0.38	1.15	sx	BUD	19000458	BUD			264

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.38	183.5	Pg	09:57:53.128	0.2					T__		270.2		___	ML	1.8	820426	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.38	183.5	Lg	09:57:59.067	-0.2					T__				---		820427	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1 (Station ML: 1.8 magdef=0																									
ET1H	0.42	185.3	Lg	09:57:59.916	-0.3					T__				---		820428	FDSN	HU	--	BUD	iLoc	HHN	???	_	
ABAH	0.88	89.6	Lg	09:58:15.613	-0.1					T__				---		820429	FDSN	HU	--	BUD	iLoc	HHE	???	_	
NIE	1.15	12.2	Lg	09:58:22.837	-0.2					T__				---		820430	FDSN	PL	--	BUD	iLoc	BHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/14	10:07:52.77	1.05	0.42	47.8712	16.0502	8.1	3.9	38	0.0f		8	4	125	0.14	1.21	sx	BUD	19000460	BUD			201

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.3	3 BUD	19000460

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.14	294.3	Pg	10:07:55.763	-0.0					T__		235.6		___	ML	1.1	820451	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.14	294.3	Lg	10:07:57.973	0.0					T__				---		820457	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1 (Station ML: 1.1 magdef=1																									

RONA	0.24	135.9	Pg	10:07:57.735	-0.1	T__								820452	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.24	135.9	Lg	10:08:01.497	0.2	T__								820453	FDSN	OE	--	BUD	iLoc	HHN	???	_
ARSA	0.72	210.1	Pg	10:08:06.025	-0.6	T__				63.3				820454	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
ARSA	0.72	210.1	Lg	10:08:16.269	0.6	T__								820458	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1)																						
(Station ML: 1.7 magdef=1)																						
KRUC	1.21	10.8	Pg	10:08:15.958	-0.1	T__				56.2				820456	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.21	10.8	Sn	10:08:33.304	-0.3	T__								820455	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1)																						
(Station ML: 1.9 magdef=1)																						

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/14	10:31:39.85	1.46	1.07	47.6324	18.5440	15.9	5.6	154	0.0f	7	6	122	0.33	1.42	sx	BUD	19000462	BUD				225
2023/02/14	10:31:40.91	1.06	2.67	47.5600	18.4573f				0.0f	7	6	114	0.24	1.35	kx	BUD_GT	19000463	BUD_GT				218
(locality: Tatabánya Hungary)																						
(GT info : GT2 explosion)																						

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.24	214.2	Pg	10:31:47.355	1.2					T__		206.2			ML	1.3	820496	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.24	214.2	Lg	10:31:52.050	1.2					T__						820498	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=0)																									
MPLH	0.74	238.3	Sn	10:32:08.576	-2.0					T__						820499	FDSN	HU	--	BUD	iLoc	HHN	???	_	
EGYH	0.78	259.8	Sn	10:32:09.153	-2.3					T__						820500	FDSN	HU	--	BUD	iLoc	HHN	???	_	
ET1H	1.01	71.0	Lg	10:32:12.740	-4.2					T__						820501	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MODS	1.14	316.2	Sn	10:32:17.949	-3.0					T__						820502	FDSN	SK	--	BUD	iLoc	HHN	???	_	
MORH	1.35	174.5	Lg	10:32:26.197	-2.0					T__						820497	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/14	11:34:36.80	1.31	1.75	48.6190	21.4609	8.7	8.0	76	0.0f	7	6	92	0.36	1.94	sx	BUD	19000468	BUD				157

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.36	204.6	Lg	11:34:49.666	-0.8					T__						820625	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOLS	0.62	59.3	Lg	11:34:57.530	-1.5					T__						820627	FDSN	SK	--	BUD	iLoc	HHN	???	_	
TRPA	0.87	123.8	Pg	11:34:54.504	0.8					T__		90.6			ML	1.9	820626	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.87	123.8	Lg	11:35:05.989	-2.0					T__						820624	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=0)																									
NIE	1.11	316.7	Lg	11:35:13.376	-0.8					T__						820628	FDSN	PL	--	BUD	iLoc	BHN	???	_	
PSZ	1.26	236.8	Sn	11:35:18.129	-1.8					T__						820629	FDSN	GE	--	BUD	iLoc	HHN	???	_	
OJC	1.94	326.5	Lg	11:35:40.234	1.0					T__						820630	FDSN	PL	--	BUD	iLoc	BHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/14	18:27:00.42	0.96	0.38	47.9829	16.5482	8.7	3.8	140	11.0f	7	4	159	0.33	1.08	ke	BUD	19000532	BUD				216



Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.33	211.0	Pg	18:27:07.522	0.1					T__						824869	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.33	211.0	Lg	18:27:12.069	-0.2					T__						824868	FDSN	OE	--	BUD	iLoc	HHE	???	_	
CONA	0.46	263.5	Pg	18:27:09.860	-0.1					T__		41.4			ML	1.2	824866	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.46	263.5	Lg	18:27:16.506	0.2					T__						824867	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=0)																									
MODS	0.63	51.0	Pg	18:27:13.292	0.1					T__						824871	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.63	51.0	Lg	18:27:22.568	-0.2					T__						824870	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KRUC	1.08	354.7	Sn	18:27:36.701	0.7					T__						824872	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/15	12:15:26.60	1.05	1.10	47.8516	20.0943	8.3	4.7	14	0.0f		7	4	126	0.15	0.89	sx	BUD	19000596	BUD			220

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.0	3 BUD	19000596

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.15	296.5	Pg	12:15:30.491	0.1					T__		615.0			ML	1.5	826580	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.15	296.5	Lg	12:15:32.775	-0.9					T__						826583	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
ET1H	0.15	280.5	Pg	12:15:30.577	0.3					T__		634.5			ML	1.5	826579	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.15	280.5	Lg	12:15:33.662	0.4					T__						826584	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
HU23A	0.24	153.7	Lg	12:15:35.722	-0.6					T__						826585	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ABAH	0.89	59.5	Pg	12:15:45.238	1.0					T__		71.9			ML	1.9	826582	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.89	59.5	Lg	12:15:56.943	-1.6					T__						826581	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/15	13:41:41.14	1.15	0.73	46.1281	16.4468	9.2	4.1	129	10.0f		9	5	203	0.35	1.29	ke	BUD	19000602	BUD			259

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.3	4 BUD	19000602

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOGS	0.35	337.0	Pg	13:41:48.271	-0.0					T__		69.8			ML	1.1	826710	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.35	337.0	Lg	13:41:53.011	-0.1					T__						826709	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
PTJ	0.40	236.6	Pg	13:41:49.359	-0.2					T__		51.3			ML	1.1	826716	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.40	236.6	Lg	13:41:55.787	0.1					T__						826715	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									

BEHE	0.41	33.5	Pg	13:41:49.517	-0.2	T__	229.8	---	ML	1.8	826711	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BEHE	0.41	33.5	Lg	13:41:56.056	0.6	T__		---			826712	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1)																			
(Station ML: 1.8 magdef=1)																			
CRES	0.75	246.7	Pn	13:41:56.852	-0.5	T__	42.0	---	ML	1.5	826714	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.75	246.7	Lg	13:42:07.717	0.9	T__		---			826713	FDSN	SL	--	BUD	iLoc	BHE	???	_
(Reading ML: 1.5 magdef=1)																			
(Station ML: 1.5 magdef=1)																			
ARSA	1.29	330.8	Sn	13:42:19.930	-1.3	T__		---			826717	FDSN	OE	--	BUD	iLoc	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/16	01:12:22.24	3.38	0.86	46.2816	19.8953	30.6	17.2	161	7.3	12.7	10	6	315	0.13	1.26	ke	BUD	19000648	BUD			319

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.2	4 BUD	19000648

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU21A	0.13	294.0	Pg	01:12:25.351	-0.0					T__		1295.8		---	ML	1.8	828941	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU21A	0.13	294.0	Lg	01:12:28.334	0.3					T__				---		828942	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
HU22A	0.53	275.3	Pg	01:12:33.124	0.2					T__		148.8		---	ML	2.0	828943	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU22A	0.53	275.3	Lg	01:12:40.928	-0.7					T__				---		828944	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
A272A	0.79	306.1	Pn	01:12:37.678	-0.3					T__		115.9		---	ML	2.0	828946	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A272A	0.79	306.1	Sn	01:12:49.717	-0.8					T__				---		828945	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
MORH	0.87	266.1	Pn	01:12:38.619	-0.5					T__		33.8		---	ML	1.5	828947	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.87	266.1	Sn	01:12:52.560	0.2					T__				---		828948	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
A267A	1.18	304.8	Sn	01:13:01.572	1.5					T__				---		828949	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KOVH	1.26	261.8	Lg	01:13:05.287	0.8					T__				---		828950	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/16	22:11:58.19	1.23	0.78	45.5368	16.4308	8.7	6.7	19	10.0f		12	8	147	0.49	1.63	ke	BUD	19000688	BUD			225

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.1	5 BUD	19000688

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
PTJ	0.49	319.0	Lg	22:12:14.238	-1.4					T__				---		831492	FDSN	CR	--	BUD	iLoc	BHE	???	_	
CRES	0.74	293.3	Pg	22:12:12.593	0.3					T__		43.5		---	ML	1.6	831487	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.74	293.3	Lg	22:12:23.822	0.3					T__				---		831485	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=0)																									
A264A	0.87	43.6	Pg	22:12:15.015	0.1					T__		129.1		---	ML	2.1	831488	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A264A	0.87	43.6	Sn	22:12:27.766	-0.7					T__				---		831484	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

```

(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
KOGS 0.92 352.2 Pg 22:12:16.140 0.5 T__ 52.1 ___ ML 1.7 831486 FDSN SL -- BUD iLoc BHZ BHZ _
KOGS 0.92 352.2 Lg 22:12:28.251 0.2 T__ ___ 831481 FDSN SL -- BUD iLoc BHE ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
BLY 0.95 145.7 Lg 22:12:28.371 -0.3 T__ ___ 831489 FDSN MN -- BUD iLoc HHE ??? _
BEHE 0.96 14.3 Pg 22:12:16.625 -0.0 T__ ___ ML 2.0 831483 FDSN HU -- BUD iLoc HHZ HHZ _
BEHE 0.96 14.3 Lg 22:12:29.912 0.2 T__ ___ 831482 FDSN HU -- BUD iLoc HHE ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
A273A 1.04 68.1 Pn 22:12:17.541 -0.4 T__ 133.4 ___ ML 2.2 831490 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=0
OBKA 1.63 307.2 Sn 22:12:49.535 1.6 T__ ___ 831491 FDSN OE -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/02/17 09:44:11.39 1.12 1.47 48.8516 21.6303 8.4 5.0 148 0.0f 9 6 135 0.43 1.52 sx BUD 19000706 BUD 207

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
KOLS 0.43 78.9 Pg 09:44:20.196 0.3 T__ ___ 832498 FDSN SK -- BUD iLoc HHZ ??? _
KOLS 0.43 78.9 Lg 09:44:27.284 0.2 T__ ___ 832499 FDSN SK -- BUD iLoc HHN ??? _
ABAH 0.61 205.2 Pg 09:44:24.526 0.9 T__ 70.4 ___ ML 1.7 832492 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.61 205.2 Lg 09:44:31.967 -1.9 T__ ___ 832491 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
TRPA 0.94 139.7 Pg 09:44:29.080 -0.5 T__ 83.5 ___ ML 1.9 832497 FDSN HU -- BUD iLoc HHZ HHZ _
TRPA 0.94 139.7 Lg 09:44:43.449 -1.2 T__ ___ 832496 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
NIE 1.04 303.5 Lg 09:44:44.989 -1.5 T__ ___ 832495 FDSN PL -- BUD iLoc BHN ??? _
PSZ 1.49 231.7 Sn 09:45:01.411 1.3 T__ ___ 832493 FDSN GE -- BUD iLoc HHN ??? _
ET1H 1.52 231.0 Sn 09:45:02.181 1.7 T__ ___ 832494 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/02/17 10:23:21.49 0.74 0.75 47.3388 16.4184 4.2 3.3 39 0.0f 23 13 73 0.20 1.72 sx BUD 19000708 BUD 89

```

Magnitude Err Nsta Author OrigID  
ML 2.1 0.1 7 BUD 19000708

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
A260A 0.20 105.7 Pg 10:23:25.679 -0.4 T__ 1750.4 ___ ML 2.1 832550 FDSN Z6 00 BUD iLoc HHZ HHZ _
A260A 0.20 105.7 Pb 10:23:26.903 0.9 T__ ___ 832562 FDSN Z6 00 BUD iLoc HHZ ??? _
A260A 0.20 105.7 Lg 10:23:29.363 -0.0 T__ ___ 832561 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
SOP 0.36 15.3 Pg 10:23:28.353 -0.6 T__ 97.1 ___ ML 1.3 832542 FDSN HU -- BUD iLoc HHZ HHZ _
SOP 0.36 15.3 Lg 10:23:34.084 -0.1 T__ ___ 832543 FDSN HU -- BUD iLoc HHN ??? _

```

```

(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=0
RONA 0.37 347.1 Pg 10:23:28.620 -0.6 T__ --- 832551 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.37 347.1 Lg 10:23:34.383 -0.1 T__ --- 832541 FDSN OE -- BUD iLoc HHN ??? _
ARSA 0.62 262.1 Pg 10:23:32.672 -0.8 T__ 140.4 --- ML 2.0 832545 FDSN OE -- BUD iLoc HHZ HHZ _
ARSA 0.62 262.1 Lg 10:23:40.926 -0.3 T__ --- 832544 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
CONA 0.70 327.7 Pg 10:23:35.452 0.0 T__ 62.6 --- ML 1.7 832540 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.70 327.7 Lg 10:23:45.160 0.5 T__ --- 832552 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
MPLH 0.78 102.0 Lg 10:23:47.719 -1.3 T__ --- 832553 FDSN HU -- BUD iLoc HHN ??? _
KOGS 0.90 187.4 Pg 10:23:38.316 -0.9 T__ 153.0 --- ML 2.2 832555 FDSN SL -- BUD iLoc BHZ BHZ _
KOGS 0.90 187.4 Sn 10:23:53.006 -1.2 T__ --- 832554 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
BEHE 0.90 164.1 Lg 10:23:52.002 0.3 T__ --- 832560 FDSN HU -- BUD iLoc HHN ??? _
MODS 1.19 28.9 Pn 10:23:43.834 -0.9 T__ --- 832546 FDSN SK -- BUD iLoc HHZ ??? _
MODS 1.19 28.9 Sn 10:24:02.138 0.0 T__ --- 832547 FDSN SK -- BUD iLoc HHN ??? _
PTJ 1.47 192.4 Sn 10:24:08.343 -0.6 T__ --- 832556 FDSN CR -- BUD iLoc BHN ??? _
OBKA 1.53 237.8 Pn 10:23:50.165 0.1 T__ 62.4 --- ML 2.1 832558 FDSN OE -- BUD iLoc HHZ HHZ _
OBKA 1.53 237.8 Lg 10:24:11.805 1.1 T__ --- 832557 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
CRES 1.65 204.0 Sn 10:24:14.355 1.2 T__ --- 832559 FDSN SL -- BUD iLoc BHN ??? _
KRUC 1.72 359.5 Pn 10:23:52.815 0.6 T__ 53.4 --- ML 2.2 832549 FDSN CZ -- BUD iLoc HHZ HHZ _
KRUC 1.72 359.5 Sn 10:24:15.737 0.9 T__ --- 832548 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=0

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/02/18 15:01:59.32 1.89 0.68 45.7590 16.9323 14.9 8.5 165 12.0f 7 6 205 0.69 1.28 ke BUD 19000744 BUD 214

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
PTJ 0.69 282.7 Lg 15:02:22.343 -0.5 T__ --- 833427 FDSN CR -- BUD iLoc BHN ??? _
BEHE 0.72 351.3 Lg 15:02:23.204 0.1 T__ --- 833428 FDSN HU -- BUD iLoc HHN ??? _
KOGS 0.84 325.7 Lg 15:02:26.258 -0.1 T__ --- 833424 FDSN SL -- BUD iLoc BHN ??? _
KOVH 0.88 67.6 Lg 15:02:27.626 -0.5 T__ --- 833423 FDSN HU -- BUD iLoc HHN ??? _
CRES 1.03 274.2 Pg 15:02:18.731 0.2 T__ 35.6 --- ML 1.6 833426 FDSN SL -- BUD iLoc BHZ BHZ _
CRES 1.03 274.2 Lg 15:02:33.186 -0.2 T__ --- 833425 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=0
MORH 1.28 68.5 Sn 15:02:39.942 1.1 T__ --- 833422 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/02/20 08:59:35.52 1.46 0.91 48.3901 21.4765 18.3 4.9 167 0.0f 6 4 157 0.18 1.16 sx BUD 19000768 BUD 223

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Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.18	239.3	Pg	08:59:39.775	0.1					T__		250.5		---	ML	1.2	834154	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.18	239.3	Lg	08:59:43.098	-0.2					T__				---		834153	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.2 magdef=1)																					
				(Station ML: 1.2 magdef=1)																					
TRPA	0.76	109.7	Pg	08:59:50.657	0.3					T__		93.8		---	ML	1.9	834157	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.76	109.7	Lg	09:00:01.796	-1.3					T__				---		834156	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.9 magdef=1)																					
				(Station ML: 1.9 magdef=1)																					
KOLS	0.76	43.9	Lg	09:00:01.942	-0.5					T__				---		834155	FDSN	SK	--	BUD	iLoc	HHN	???	_	
PSZ	1.16	246.6	Sn	09:00:15.527	-0.6					T__				---		834158	FDSN	GE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/20	09:13:58.63	1.08	0.94	47.1382	17.9018	7.8	6.9	32	0.0f		8	6	104	0.25	1.31	sx	BUD	19000770	BUD			169

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.1	3 BUD	19000770

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MPLH	0.25	277.5	Pg	09:14:04.188	-0.0					T__		266.1		---	ML	1.4	834180	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 1.4 magdef=1)																					
				(Station ML: 1.4 magdef=1)																					
CSKK	0.33	47.2	Lg	09:14:11.676	-0.3					T__				---		834181	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MORH	1.06	150.8	Pn	09:14:20.678	1.3					T__		34.3		---	ML	1.6	834184	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	1.06	150.8	Lg	09:14:35.286	0.2					T__				---		834185	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.6 magdef=1)																					
				(Station ML: 1.6 magdef=1)																					
KOVH	1.06	172.5	Pn	09:14:20.665	1.1					T__		40.9		---	ML	1.7	834183	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	1.06	172.5	Lg	09:14:34.250	-1.1					T__				---		834182	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.7 magdef=1)																					
				(Station ML: 1.7 magdef=1)																					
RONA	1.23	297.9	Lg	09:14:39.062	-0.0					T__				---		834186	FDSN	OE	--	BUD	iLoc	HHN	???	_	
MODS	1.31	341.4	Sn	09:14:42.466	-0.1					T__				---		834187	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/20	09:56:52.64	3.68	2.23	46.1502	18.0152	25.0	14.4	120	0.0f		4	3	205	0.09	1.07	sx	BUD	19000772	BUD			304

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOVH	0.09	136.4	Pg	09:56:55.236	0.2					T__		656.4		---	ML	1.4	834205	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.09	136.4	Lg	09:56:56.752	-0.4					T__				---		834206	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.4 magdef=1)																					
				(Station ML: 1.4 magdef=0)																					
MORH	0.44	81.3	Lg	09:57:08.995	-0.0					T__				---		834207	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MPLH	1.07	342.4	Sn	09:57:27.765	-2.2					T__				---		834208	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/02/20 11:00:00.91 0.94 0.89 48.1561 16.9419 12.9 3.4 146 0.0f 8 4 154 0.11 0.76 sx BUD 19000774 BUD 183

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
ZST	0.11	69.5	Pg	11:00:04.090	0.3					T__						834228	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.11	69.5	Lg	11:00:06.573	0.2					T__						834227	FDSN	SK	--	BUD	iLoc	HHN	???	_
MODS	0.31	45.7	Pg	11:00:07.541	-0.2					T__						834226	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.31	45.7	Lg	11:00:13.192	-0.0					T__						834229	FDSN	SK	--	BUD	iLoc	HHN	???	_
RONA	0.63	223.8	Pg	11:00:13.682	0.1					T__						834231	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.63	223.8	Lg	11:00:21.205	-0.8					T__						834230	FDSN	OE	--	BUD	iLoc	HHN	???	_
CONA	0.76	252.9	Pg	11:00:17.359	1.4					T__		92.7				834233	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.76	252.9	Lg	11:00:24.808	-1.2					T__						834232	FDSN	OE	--	BUD	iLoc	HHN	???	_

(Reading ML: 1.9 magdef=1

(Station ML: 1.9 magdef=0

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/02/20 12:41:08.90 1.26 1.50 46.1021 16.4047 10.4 4.7 123 0.0f 9 6 147 0.36 1.56 sx BUD 19000780 BUD 157

Magnitude Err Nsta Author OrigID  
 ML 1.6 0.1 3 BUD 19000780

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
PTJ	0.36	237.5	Pg	12:41:15.593	-0.9					T__		95.4				834376	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.36	237.5	Lg	12:41:20.815	-1.4					T__						834381	FDSN	CR	--	BUD	iLoc	BHN	???	_

(Reading ML: 1.3 magdef=1

(Station ML: 1.3 magdef=1

KOGS	0.36	342.9	Pg	12:41:16.908	0.5					T__		175.9				834375	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.36	342.9	Lg	12:41:20.012	-1.7					T__						834380	FDSN	SL	--	BUD	iLoc	BHN	???	_

(Reading ML: 1.6 magdef=1

(Station ML: 1.6 magdef=1

BEHE	0.45	34.8	Lg	12:41:25.165	-0.0					T__						834382	FDSN	HU	--	BUD	iLoc	HHN	???	_
CRES	0.72	247.7	Pg	12:41:25.161	2.4					T__		54.8				834378	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.72	247.7	Lg	12:41:34.510	1.3					T__						834377	FDSN	SL	--	BUD	iLoc	BHN	???	_

(Reading ML: 1.6 magdef=1

(Station ML: 1.6 magdef=1

KOVH	1.18	90.1	Lg	12:41:47.781	-0.4					T__						834379	FDSN	HU	--	BUD	iLoc	HHN	???	_
MORH	1.56	85.0	Sn	12:41:58.247	0.3					T__						834374	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/02/20 14:58:13.61 3.50 1.67 45.5843 17.6485 28.9 23.2 111 15.0f 7 5 238 0.59 1.22 ke BUD 19000786 BUD 319

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
KOVH	0.59	31.9	Pg	14:58:25.563	-0.0					T__		53.8				834487	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.59	31.9	Lg	14:58:33.085	-0.7					T__						834486	FDSN	HU	--	BUD	iLoc	HHN	???	_

(Reading ML: 1.6 magdef=1

(Station ML: 1.6 magdef=1

A265A	0.85	6.9	Lg	14:58:40.408	-1.1	T__									834490	FDSN	Z6	00	BUD	iLoc	HHN	???	_
MORH	0.94	47.4	Pn	14:58:30.748	-0.2	T__				68.5			ML	1.9	834489	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.94	47.4	Sn	14:58:44.479	0.1	T__									834488	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1)																							
(Station ML: 1.9 magdef=1)																							
A266A	1.03	24.3	Lg	14:58:50.677	2.5	T__									834491	FDSN	Z6	00	BUD	iLoc	HHN	???	_
PTJ	1.22	285.9	Sn	14:58:53.920	1.8	T__									834492	FDSN	CR	--	BUD	iLoc	BHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/20	19:51:28.59	1.11	0.52	48.1954	16.0167	11.6	5.0	102	9.0f		7	4	174	0.29	1.18	ke	BUD	19000792	BUD			216

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
CONA	0.29	201.3	Pg	19:51:34.765	0.1					T__		102.2			ML	1.1	834614	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.29	201.3	Lg	19:51:38.764	-0.1					T__						834613	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
RONA	0.53	159.1	Pg	19:51:39.293	-0.1					T__						834615	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.53	159.1	Lg	19:51:46.688	0.1					T__						834616	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	0.90	16.0	Pg	19:51:46.451	0.6					T__		78.2			ML	1.9	834618	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	0.90	16.0	Lg	19:51:58.247	-0.8					T__						834617	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
VRAC	1.18	18.7	Sn	19:52:07.084	0.0					T__						834619	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/21	08:30:34.46	1.11	0.80	47.2624	17.6927	17.3	4.8	142	0.0f		6	4	168	0.14	1.24	sx	BUD	19000800	BUD			249

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
MPLH	0.14	228.6	Pg	08:30:38.353	0.4					T__		493.8			ML	1.4	834756	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.14	228.6	Lg	08:30:39.850	-1.0					T__						834758	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
CSKK	0.40	75.2	Lg	08:30:49.586	-0.4					T__						834759	FDSN	HU	--	BUD	iLoc	HHN	???	_	
SRO	0.69	37.1	Lg	08:30:59.813	-0.4					T__						834760	FDSN	SK	--	BUD	iLoc	EHN	???	_	
MORH	1.24	147.7	Pn	08:30:58.155	0.4					T__		37.9			ML	1.8	834757	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	1.24	147.7	Sn	08:31:16.232	0.4					T__						834761	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/21	09:21:31.07	1.95	0.37	46.1474	21.6129	17.9	6.5	113	0.0f		7	4	229	0.53	1.49	sx	BUD	19000802	BUD			276

Magnitude Err Nsta Author OrigID  
ML 2.0 0.4 3 BUD 19000802

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BZS	0.53	179.7	Pg	09:21:41.669	0.1					T__		52.4		---	ML	1.5	834787	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.53	179.7	Lg	09:21:48.973	-0.3					T__				---		834786	FDSN	RO	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.5 magdef=1)																					
				(Station ML: 1.5 magdef=1)																					
DRGR	1.00	49.3	Pg	09:21:51.016	0.1					T__		82.0		---	ML	2.0	834782	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	1.00	49.3	Lg	09:22:05.112	-0.5					T__				---		834783	FDSN	RO	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.0 magdef=1)																					
				(Station ML: 2.0 magdef=1)																					
GZR	1.11	132.4	Pg	09:21:52.477	0.3					T__		137.9		---	ML	2.3	834785	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	1.11	132.4	Lg	09:22:07.449	-0.2					T__				---		834784	FDSN	RO	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.3 magdef=1)																					
				(Station ML: 2.3 magdef=1)																					
CJR	1.49	66.9	Sn	09:22:19.182	-0.2					T__				---		834788	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/21	09:35:39.44	0.92	0.53	48.8033	16.2669	8.1	3.7	107	0.0f		13	8	138	0.27	1.63	sx	BUD	19000804	BUD			157

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.5	4 BUD	19000804

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KRUC	0.27	18.1	Pg	09:35:45.118	0.3					T__		202.9		---	ML	1.4	834853	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	0.27	18.1	Lg	09:35:48.076	-0.9					T__				---		834857	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.4 magdef=1)																					
				(Station ML: 1.4 magdef=1)																					
VRAC	0.55	22.9	Pg	09:35:50.194	0.3					T__		18.7		---	ML	1.1	834854	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
VRAC	0.55	22.9	Lg	09:35:57.461	-0.6					T__				---		834858	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.1 magdef=1)																					
				(Station ML: 1.1 magdef=1)																					
TREC	0.71	314.1	Lg	09:36:02.805	0.2					T__				---		834859	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
CONA	0.92	197.3	Pg	09:35:57.005	-0.5					T__		81.6		---	ML	1.9	834849	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.92	197.3	Lg	09:36:09.604	0.1					T__				---		834855	FDSN	OE	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.9 magdef=1)																					
				(Station ML: 1.9 magdef=1)																					
RONA	1.10	179.0	Pg	09:36:00.839	-0.4					T__				---		834851	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	1.10	179.0	Lg	09:36:15.995	0.4					T__				---		834850	FDSN	OE	--	BUD	iLoc	HHN	???	_	
MORC	1.28	40.1	Pg	09:36:03.678	0.4					T__		67.5		---	ML	2.0	834856	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
MORC	1.28	40.1	Lg	09:36:21.024	-0.1					T__				---		834861	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.0 magdef=1)																					
				(Station ML: 2.0 magdef=1)																					
CKRC	1.29	271.5	Lg	09:36:21.020	-0.4					T__				---		834860	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
ARSA	1.63	198.1	Lg	09:36:31.953	0.6					T__				---		834852	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/22	08:37:11.51	1.25	1.88	46.8750	17.3663	7.1	6.3	83	0.0f		8	6	140	0.32	1.10	sx	BUD	19000814	BUD			234

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
-----	------	------	-------	------	------	------	-------	------	------	-----	-----	-----	-----	------	-----------	-------	-----	--------	----	------	-----	-----	-----	---



MPLH	0.32	21.8	Pg	08:37:18.885	0.4	T__	392.0	___	ML	1.8	835399	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.32	21.8	Lg	08:37:24.273	0.3	T__		---			835398	FDSN	HU	--	BUD	iLoc	HNN	???	_
(Reading ML: 1.8 magdef=1)																			
(Station ML: 1.8 magdef=1)																			
TIH	0.36	85.9	Pg	08:37:20.382	1.2	T__	517.6	___	ML	2.0	835401	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TIH	0.36	85.9	Lg	08:37:25.000	-0.2	T__		---			835400	FDSN	HU	--	BUD	iLoc	HNN	???	_
(Reading ML: 2.0 magdef=1)																			
(Station ML: 2.0 magdef=1)																			
CSKK	0.78	51.0	Lg	08:37:37.445	-2.9	T__		---			835402	FDSN	HU	--	BUD	iLoc	HNN	???	_
KOGS	0.88	241.3	Lg	08:37:39.583	-0.8	T__		---			835403	FDSN	SL	--	BUD	iLoc	BHN	???	_
KOVH	0.94	146.9	Lg	08:37:41.379	-1.9	T__		---			835404	FDSN	HU	--	BUD	iLoc	HNN	???	_
MORH	1.10	126.4	Sn	08:37:47.623	-1.8	T__		---			835405	FDSN	HU	--	BUD	iLoc	HNN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/22	08:49:18.67	2.57	3.10	48.6177	21.2185	21.2	9.2	137	0.0f		4	3	201	0.32	0.77	sx	BUD	19000816	BUD			314

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ABAH	0.32	177.5	Pg	08:49:26.309	0.9					T__		289.6		___	ML	1.7	835433	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.32	177.5	Lg	08:49:29.564	-1.6					T__				---		835434	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=0)																									
HU02A	0.68	223.3	Lg	08:49:41.786	-1.6					T__				---		835436	FDSN	Z6	00	BUD	iLoc	HHE	???	_	
KOLS	0.77	65.2	Lg	08:49:43.837	-1.9					T__				---		835435	FDSN	SK	--	BUD	iLoc	HNN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/02/22	09:54:23.92	1.25	1.10	48.5290	17.5091	12.3	4.6	121	0.0f		7	5	201	0.35	1.25	sx	BUD	19000820	BUD					272

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
JAVC	0.35	17.9	Pg	09:54:31.714	0.3					T__		110.2		___	ML	1.3	835491	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.35	17.9	Lg	09:54:36.760	-0.6					T__				---		835492	FDSN	CZ	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
ZST	0.43	219.3	Lg	09:54:38.193	-1.6					T__				---		835493	FDSN	SK	--	BUD	iLoc	HNN	???	_	
KRUC	0.91	306.3	Lg	09:54:54.101	-0.7					T__				---		835494	FDSN	CZ	--	BUD	iLoc	HNN	???	_	
RONA	1.16	224.9	Lg	09:55:02.569	0.6					T__				---		835495	FDSN	OE	--	BUD	iLoc	HNN	???	_	
CONA	1.25	242.0	Pn	09:54:48.285	-0.1					T__		46.3		___	ML	1.9	835497	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	1.25	242.0	Lg	09:55:05.819	1.0					T__				---		835496	FDSN	OE	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/02/23	08:09:21.36	1.42	0.71	47.4039	18.4163	8.6	5.8	97	0.0f		10	9	108	0.11	1.33	sx	BUD	19000832	BUD					110

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.11	249.0	Pg	08:09:24.504	0.2					T__		3797.2		---	ML	2.2	836292	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.11	249.0	Lg	08:09:26.461	-0.6					T__				---		836293	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=0)																									
SR0	0.42	350.4	Lg	08:09:37.145	-0.2					T__				---		836294	FDSN	SK	--	BUD	iLoc	EHN	???	_	
A267A	0.46	174.4	Lg	08:09:38.418	-0.2					T__				---		836295	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.64	248.9	Lg	08:09:44.300	0.1					T__				---		836296	FDSN	HU	--	BUD	iLoc	HHN	???	_	
ET1H	1.09	63.7	Sn	08:09:59.519	-0.3					T__				---		836297	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	1.12	62.2	Sn	08:10:00.622	-0.5					T__				---		836298	FDSN	GE	--	BUD	iLoc	HHN	???	_	
MORH	1.20	172.4	Sn	08:10:00.690	-1.4					T__				---		836299	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MODS	1.24	322.1	Sn	08:10:03.361	-0.5					T__				---		836300	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KOVH	1.33	189.5	Sn	08:10:06.191	0.8					T__				---		836301	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/23	08:30:31.84	3.16	0.40	47.3138	16.3214	23.8	6.1	127	0.0f		6	3	266	0.39	0.69	sx	BUD	19000834	BUD			335

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.39	357.5	Pg	08:30:39.771	-0.1					T__				---		836318	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.39	357.5	Lg	08:30:45.203	-0.1					T__				---		836319	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.55	263.6	Pg	08:30:42.723	0.3					T__		62.9		---	ML	1.6	836322	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
ARSA	0.55	263.6	Lg	08:30:48.882	-0.5					T__				---		836320	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
CONA	0.69	333.3	Pg	08:30:45.935	0.4					T__		61.6		---	ML	1.7	836323	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.69	333.3	Lg	08:30:54.659	0.0					T__				---		836321	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/23	08:42:20.11	1.16	0.27	47.8687	16.0582	10.1	4.0	36	0.0f		7	4	125	0.15	1.22	sx	BUD	19000836	BUD			202

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.15	294.3	Pg	08:42:23.178	-0.1					T__		150.9		---	ML	0.9	836343	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.15	294.3	Lg	08:42:25.616	0.1					T__				---		836344	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
RONA	0.23	136.4	Pg	08:42:24.932	-0.1					T__				---		836346	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.23	136.4	Lg	08:42:28.738	0.2					T__				---		836345	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.72	210.6	Pg	08:42:34.123	0.1					T__		63.8		---	ML	1.7	836348	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
ARSA	0.72	210.6	Lg	08:42:42.847	-0.2					T__				---		836347	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
KRUC	1.22	10.5	Sn	08:43:00.551	-0.4					T__				---		836349	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/23	09:44:03.90	1.15	2.31	46.3140	22.0185	9.6	4.9	121	0.0f	12	9	131	0.68	2.63	sx	BUD	19000840	BUD				149

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.2	3 BUD	19000840

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
DRGR	0.68	44.8	Pg	09:44:17.148	-0.4					T__		167.1		___	ML	2.1	836414	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	0.68	44.8	Lg	09:44:26.899	-1.6					T__				---		836415	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
DEV	0.75	124.7	Lg	09:44:28.826	0.0					T__				---		836418	FDSN	RO	--	BUD	iLoc	HHN	???	_	
BZS	0.75	202.0	Pg	09:44:17.727	-0.9					T__		107.1		___	ML	1.9	836420	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.75	202.0	Lg	09:44:28.247	-1.0					T__				---		836419	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
GZR	1.06	149.8	Pg	09:44:24.547	0.4					T__		211.8		___	ML	2.4	836417	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	1.06	149.8	Lg	09:44:40.156	1.2					T__				---		836416	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=1)																									
BANR	1.12	213.8	Lg	09:44:42.696	1.4					T__				---		836422	FDSN	RO	--	BUD	iLoc	HHN	???	_	
CJR	1.16	69.3	Lg	09:44:42.521	-0.9					T__				---		836421	FDSN	RO	--	BUD	iLoc	HHN	???	_	
TRPA	1.85	10.9	Sn	09:45:03.504	2.7					T__				---		836423	FDSN	HU	--	BUD	iLoc	HHN	???	_	
ABAH	2.05	345.3	Sn	09:45:10.067	5.1					T__				---		836424	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOLS	2.63	3.7	Pg	09:44:56.612	2.4					T__				---		836425	FDSN	SK	--	BUD	iLoc	HHZ	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/23	11:13:39.04	0.98	0.87	48.3797	19.1045	5.3	4.9	24	0.0f	12	8	99	0.70	1.30	sx	BUD	19000842	BUD				145

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.0	3 BUD	19000842

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
PSZ	0.70	130.8	Pg	11:13:53.884	-0.1					T__		120.2		___	ML	2.0	836457	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.70	130.8	Lg	11:14:04.062	-0.7					T__				---		836456	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
ET1H	0.72	134.0	Pg	11:13:55.210	1.0					T__		99.2		___	ML	1.9	836458	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.72	134.0	Lg	11:14:04.789	-0.1					T__				---		836459	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
SRO	0.78	223.4	Lg	11:14:06.885	-0.4					T__				---		836453	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	0.96	82.5	Lg	11:14:11.192	-1.4					T__				---		836460	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
JAVC	1.07	297.3	Lg	11:14:16.005	-0.9					T__				---		836461	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
CSKK	1.17	209.5	Sn	11:14:20.412	0.9					T__				---		836462	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MODS	1.22	270.4	Pn	11:14:02.587	-0.1					T__				---		836464	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	1.22	270.4	Sn	11:14:20.292	-1.0					T__				---		836463	FDSN	SK	--	BUD	iLoc	HHN	???	_	
NIE	1.30	36.7	Pg	11:14:04.319	0.7					T__		48.1		___	ML	1.9	836455	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	1.30	36.7	Lg	11:14:22.537	0.1					T__				---		836454	FDSN	PL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/23	11:50:13.51	1.94	0.27	47.8949	20.1434	18.9	5.9	152	0.0f	6	4	204	0.17	0.84	sx	BUD	19000846	BUD				241

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
PSZ	0.17	278.1	Pg	11:50:17.790	0.1					T__		484.7		___	ML	1.5	836540	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.17	278.1	Lg	11:50:20.805	-0.4					T__				___		836541	FDSN	GE	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.5 magdef=1)																					
				(Station ML: 1.5 magdef=1)																					
ET1H	0.18	265.2	Pg	11:50:17.875	0.0					T__		550.6		___	ML	1.6	836543	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.18	265.2	Lg	11:50:21.404	0.2					T__				___		836542	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.6 magdef=1)																					
				(Station ML: 1.6 magdef=1)																					
JOS	0.66	23.6	Lg	11:50:36.815	0.1					T__				___		836545	FDSN	Z6	--	BUD	iLoc	HHE	???	_	
ABAH	0.84	60.9	Lg	11:50:43.556	-0.2					T__				___		836544	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/02/23	11:57:16.06	1.08	0.81	45.5992	16.0198	7.3	5.2	35	10.0f	20	12	164	0.23	1.93	ke	BUD	19000848	BUD					224

Magnitude	Err	Nsta	Author	OrigID
ML	2.4	0.2	8 BUD	19000848

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ZAG	0.23	354.3	Pg	11:57:21.062	0.1					T__		3885.3		___	ML	2.5	836623	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.23	354.3	Lg	11:57:25.210	0.7					T__				___		836622	FDSN	CR	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 2.5 magdef=1)																					
				(Station ML: 2.5 magdef=1)																					
PTJ	0.31	353.3	Pg	11:57:21.617	-1.1					T__		680.2		___	ML	2.0	836624	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.31	353.3	Lg	11:57:27.369	-0.3					T__				___		836625	FDSN	CR	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 2.0 magdef=1)																					
				(Station ML: 2.0 magdef=0)																					
CRES	0.45	300.1	Pg	11:57:24.761	-0.3					T__		270.3		___	ML	2.0	836627	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.45	300.1	Lg	11:57:32.287	0.4					T__				___		836626	FDSN	SL	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 2.0 magdef=1)																					
				(Station ML: 2.0 magdef=1)																					
KOGS	0.86	10.6	Pg	11:57:32.523	-0.0					T__		390.4		___	ML	2.6	836628	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.86	10.6	Sn	11:57:46.892	0.4					T__				___		836629	FDSN	SL	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 2.6 magdef=1)																					
				(Station ML: 2.6 magdef=1)																					
BEHE	1.02	30.9	Pn	11:57:36.372	0.5					T__		630.4		___	ML	2.9	836630	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BEHE	1.02	30.9	Sn	11:57:51.144	0.9					T__				___		836635	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.9 magdef=1)																					
				(Station ML: 2.9 magdef=0)																					
A264A	1.05	57.3	Sn	11:57:51.468	0.6					T__				___		836631	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
BLY	1.18	135.5	Pg	11:57:37.441	-0.5					T__		145.5		___	ML	2.3	836632	FDSN	MN	--	BUD	iLoc	HHZ	HHZ	_
BLY	1.18	135.5	Sn	11:57:53.863	-0.9					T__				___		836633	FDSN	MN	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.3 magdef=1)																					
				(Station ML: 2.3 magdef=1)																					
A273A	1.30	75.2	Lg	11:57:57.967	0.4					T__				___		836636	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

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OBKA 1.37 312.1 Pn 11:57:42.737 1.3 T__ 205.5 --- ML 2.6 836637 FDSN OE -- BUD iLoc HHZ HHZ _
OBKA 1.37 312.1 Lg 11:58:01.619 1.3 T__ --- 836638 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 2.6 magdef=1
(Station ML: 2.6 magdef=1
A265A 1.49 55.7 Lg 11:58:03.951 0.3 T__ --- 836639 FDSN Z6 00 BUD iLoc HHN ??? _
KOVH 1.53 70.7 Sn 11:58:03.777 1.3 T__ --- 836640 FDSN HU -- BUD iLoc HHN ??? _
MORH 1.93 70.5 Pg 11:57:52.895 0.8 T__ 49.5 --- ML 2.3 836641 FDSN HU -- BUD iLoc HHZ HHZ _
MORH 1.93 70.5 Lg 11:58:16.956 -0.6 T__ --- 836634 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/02/23 12:28:11.75 0.95 0.91 47.8763 16.0554 5.9 3.9 23 0.0f 8 5 81 0.14 1.21 sx BUD 19000850 BUD 160

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CONA 0.14 291.8 Pg 12:28:14.198 -0.6 T__ 257.9 --- ML 1.1 836734 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.14 291.8 Lg 12:28:17.491 0.5 T__ --- 836735 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=0
RONA 0.24 137.3 Pg 12:28:16.357 -0.5 T__ --- 836737 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.24 137.3 Lg 12:28:20.078 -0.3 T__ --- 836736 FDSN OE -- BUD iLoc HHN ??? _
ARSA 0.72 210.1 Lg 12:28:36.286 1.4 T__ --- 836738 FDSN OE -- BUD iLoc HHN ??? _
MODS 0.96 58.3 Pg 12:28:32.138 0.9 T__ --- 836740 FDSN SK -- BUD iLoc HHZ ??? _
MODS 0.96 58.3 Lg 12:28:45.652 -0.3 T__ --- 836739 FDSN SK -- BUD iLoc HHN ??? _
KRUC 1.21 10.7 Sn 12:28:51.938 -0.5 T__ --- 836741 FDSN CZ -- BUD iLoc HHE ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/02/23 13:07:32.79 1.04 2.34 48.5703 21.3053 6.3 4.5 157 0.0f 8 4 158 0.28 0.93 sx BUD 19000852 BUD 230

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Magnitude Err Nsta Author OrigID  
ML 1.7 0.3 3 BUD 19000852

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
ABAH 0.28 189.1 Pg 13:07:39.044 0.3 T__ 145.9 --- ML 1.2 836761 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.28 189.1 Lg 13:07:44.048 0.3 T__ --- 836764 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
JOS 0.51 262.0 Pg 13:07:43.235 0.1 T__ 85.9 --- ML 1.7 836762 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.51 262.0 Lg 13:07:50.548 -0.4 T__ --- 836765 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
KOLS 0.74 60.1 Pg 13:07:48.025 1.1 T__ --- 836763 FDSN SK -- BUD iLoc HHZ ??? _
KOLS 0.74 60.1 Lg 13:07:55.338 -3.6 T__ --- 836766 FDSN SK -- BUD iLoc HHN ??? _
TRPA 0.93 117.7 Pg 13:07:51.248 0.3 T__ 67.0 --- ML 1.8 836768 FDSN HU -- BUD iLoc HHZ HHZ _
TRPA 0.93 117.7 Lg 13:08:02.367 -3.6 T__ --- 836767 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/24	09:07:24.09	1.73	0.77	48.5951	20.7951	14.4	4.3	178	0.0f	10	6	190	0.20	1.25	sx	BUD	19000864	BUD				231

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.2	4 BUD	19000864

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.20	239.8	Pg	09:07:28.225	0.0					T__		258.2		___	ML	1.3	837093	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.20	239.8	Lg	09:07:31.796	0.3					T__				---		837094	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
ABAH	0.42	135.1	Pg	09:07:32.886	0.2					T__		131.5		___	ML	1.6	837096	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.42	135.1	Lg	09:07:39.814	-0.2					T__				---		837095	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
PSZ	0.91	222.0	Pn	09:07:41.994	-1.2					T__		69.0		___	ML	1.8	837097	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.91	222.0	Lg	09:07:57.218	0.5					T__				---		837098	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
ET1H	0.95	221.1	Pn	09:07:43.806	0.3					T__		59.2		___	ML	1.8	837099	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.95	221.1	Lg	09:07:56.871	-0.8					T__				---		837102	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
KOLS	1.03	70.4	Lg	09:07:59.738	-0.1					T__				---		837101	FDSN	SK	--	BUD	iLoc	HHN	???	_	
TRPA	1.25	111.1	Sn	09:08:05.474	-1.3					T__				---		837100	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/24	14:36:36.02	1.07	0.81	45.5331	17.2703	10.3	6.1	124	0.0f	7	5	130	0.79	1.18	sx	BUD	19000868	BUD				234

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.0	3 BUD	19000868

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BLY	0.79	184.5	Pg	14:36:51.355	0.0					T__		73.4		___	ML	1.8	837274	FDSN	MN	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
KOVH	0.80	46.0	Pg	14:36:52.574	0.0					T__		55.2		___	ML	1.7	837273	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.80	46.0	Lg	14:37:04.319	0.4					T__				---		837272	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
ZAG	0.95	288.6	Lg	14:37:08.644	0.9					T__				---		837275	FDSN	CR	--	BUD	iLoc	BHN	???	_	
PTJ	0.99	292.8	Lg	14:37:08.745	-1.0					T__				---		837276	FDSN	CR	--	BUD	iLoc	BHZ	???	_	
MORH	1.18	54.1	Pn	14:36:58.075	-0.6					T__		43.4		___	ML	1.8	837271	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	1.18	54.1	Lg	14:37:14.540	-0.6					T__				---		837270	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/25	08:27:16.86	1.03	0.35	46.1805	18.2761	10.8	3.7	160	0.0f	5	3	150	0.15	0.41	sx	BUD	19000886	BUD				286

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOVH	0.15	233.1	Pg	08:27:20.506	-0.1					T__		184.0		___	ML	1.0	837604	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.15	233.1	Lg	08:27:23.670	0.1					T__				---		837603	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
MORH	0.26	82.2	Pg	08:27:22.387	-0.2					T__		67.2		___	ML	0.8	837601	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.26	82.2	Lg	08:27:27.562	0.4					T__				---		837602	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=1)																									
A265A	0.41	306.4	Lg	08:27:32.159	0.1					T__				---		837605	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/25	13:49:18.20	1.14	1.12	45.5077	16.0432	9.6	5.5	51	10.0f		16	10	175	0.32	1.95	ke	BUD	19000890	BUD			240

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.1	6 BUD	19000890

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ZAG	0.32	353.0	Pg	13:49:24.949	0.1					T__		841.5		___	ML	2.1	837669	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.32	353.0	Lg	13:49:30.225	0.7					T__				---		837670	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
PTJ	0.40	352.5	Pg	13:49:26.038	-0.6					T__		138.7		_d_	ML	1.6	837672	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.40	352.5	Lg	13:49:32.301	-0.5					T__				---		837671	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=0)																									
CRES	0.52	308.0	Pg	13:49:28.304	-0.1					T__		118.5		___	ML	1.8	837673	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.52	308.0	Lg	13:49:35.560	-0.6					T__				---		837682	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
KOGS	0.95	8.7	Pn	13:49:37.237	0.1					T__		96.2		___	ML	2.0	837674	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.95	8.7	Sn	13:49:51.113	0.3					T__				---		837675	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
BEHE	1.09	27.7	Sn	13:49:54.781	0.7					T__				---		837676	FDSN	HU	--	BUD	iLoc	HHE	???	_	
BLY	1.11	132.8	Pg	13:49:38.725	-0.0					T__		118.8		___	ML	2.2	837678	FDSN	MN	--	BUD	iLoc	HHZ	HHZ	_
BLY	1.11	132.8	Sn	13:49:54.227	-0.9					T__				---		837677	FDSN	MN	--	BUD	iLoc	HHE	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
OBKA	1.44	314.4	Pn	13:49:46.684	2.0					T__		108.9		___	ML	2.3	837679	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
OBKA	1.44	314.4	Lg	13:50:05.819	0.9					T__				---		837680	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=0)																									
A265A	1.53	52.5	Sn	13:50:06.067	1.7					T__				---		837683	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KOVH	1.55	67.3	Sn	13:50:06.379	1.2					T__				---		837684	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MORH	1.95	67.8	Lg	13:50:18.252	-2.0					T__				---		837681	FDSN	HU	--	BUD	iLoc	HHE	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/26	06:27:10.31	1.07	0.25	47.9973	16.5350	5.9	5.3	150	11.0f	8	5	124	0.31	1.07	ke	BUD	19000900	BUD				182

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
SOP	0.31	177.1	Pg	06:27:17.181	0.2					T__		71.1		___	ML	1.0	837901	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.31	177.1	Lg	06:27:21.418	-0.1					T__				___		837902	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.0 magdef=1)																					
				(Station ML: 1.0 magdef=1)																					
RONA	0.34	208.5	Pg	06:27:17.346	-0.1					T__				___		837900	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.34	208.5	Lg	06:27:22.166	-0.2					T__				___		837899	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.46	261.6	Pg	06:27:19.683	-0.0					T__		42.5		___	ML	1.2	837897	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.46	261.6	Lg	06:27:26.366	0.3					T__				___		837898	FDSN	OE	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.2 magdef=1)																					
				(Station ML: 1.2 magdef=1)																					
MODS	0.62	52.6	Lg	06:27:32.465	-0.2					T__				___		837903	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KRUC	1.07	355.1	Sn	06:27:45.773	0.2					T__				___		837904	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/26	08:52:03.52	1.11	0.87	46.1832	16.6542	10.9	5.8	17	11.0f	7	5	152	0.39	1.38	ke	BUD	19000902	BUD				218

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOGS	0.39	313.6	Pg	08:52:11.614	0.2					T__		186.3		___	ML	1.6	837965	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.39	313.6	Lg	08:52:16.492	-0.2					T__				___		837964	FDSN	SL	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 1.6 magdef=1)																					
				(Station ML: 1.6 magdef=1)																					
A264A	0.44	92.8	Lg	08:52:18.666	-0.1					T__				___		837967	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CRES	0.91	247.3	Pg	08:52:20.807	0.3					T__		151.4		___	ML	2.2	837962	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.91	247.3	Lg	08:52:33.295	-1.1					T__				___		837966	FDSN	SL	--	BUD	iLoc	BHE	???	_	
				(Reading ML: 2.2 magdef=1)																					
				(Station ML: 2.2 magdef=1)																					
KOVH	1.01	94.9	Lg	08:52:36.657	0.4					T__				___		837963	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MORH	1.38	88.0	Lg	08:52:48.131	-1.2					T__				___		837961	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/02/27	01:15:39.68	0.95	0.93	48.3436	22.4654	6.0	5.4	12	2.0	11.5	41	24	68	0.22	3.38	ke	BUD	19000908	BUD				126

Magnitude	Err	Nsta	Author	OrigID
ML	2.9	0.1	20 BUD	19000908

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
TRPA	0.22	167.0	Pg	01:15:45.589	1.5					T__		3674.6		_c_	ML	2.5	838229	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.22	167.0	Lg	01:15:50.005	2.0					T__				___		838206	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.5 magdef=1)																					
				(Station ML: 2.5 magdef=0)																					
UZH	0.31	338.3	Pg	01:15:45.087	-0.6					T__				_c_		838230	FDSN	UA	--	BUD	iLoc	BHN	???	_	
UZH	0.31	338.3	Lg	01:15:49.168	-1.9					T__				___		838207	FDSN	UA	--	BUD	iLoc	BHN	???	_	



KOLS	0.60	347.9	Pg	01:15:51.286	0.1	T__			838208	FDSN	SK	--	BUD	iLoc	HHZ	???	_		
KOLS	0.60	347.9	Lg	01:16:00.744	-0.1	T__			838209	FDSN	SK	--	BUD	iLoc	HHN	???	_		
MEZ	0.72	75.9	Pg	01:15:53.514	-0.1	T__			838211	FDSN	UA	--	BUD	iLoc	BHZ	???	_		
MEZ	0.72	75.9	Lg	01:16:04.141	-0.4	T__			838210	FDSN	UA	--	BUD	iLoc	BHN	???	_		
ABAH	0.82	267.1	Pg	01:15:55.921	0.2	T__	1892.5	_d	ML	3.2	838232	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.82	267.1	Lg	01:16:07.918	-0.8	T__			838212	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 3.2 magdef=1)																			
(Station ML: 3.2 magdef=1)																			
BMR	0.96	133.7	Pg	01:15:58.812	0.5	T__	2577.6	_c	ML	3.4	838233	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BMR	0.96	133.7	Lg	01:16:12.762	-0.4	T__			838213	FDSN	RO	--	BUD	iLoc	HHN	???	_		
(Reading ML: 3.4 magdef=1)																			
(Station ML: 3.4 magdef=0)																			
LTVH	1.03	201.8	Pn	01:16:00.427	0.5	T__	704.6	_	ML	2.9	838234	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
LTVH	1.03	201.8	Sn	01:16:16.994	0.8	T__			838214	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 2.9 magdef=1)																			
(Station ML: 2.9 magdef=1)																			
JOS	1.29	277.5	Pn	01:16:02.966	-0.6	T__	460.1	_	ML	2.9	838215	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	1.29	277.5	Sn	01:16:22.613	0.1	T__			838216	FDSN	Z6	--	BUD	iLoc	HHN	???	_		
(Reading ML: 2.9 magdef=1)																			
(Station ML: 2.9 magdef=1)																			
KWP	1.30	7.0	Pn	01:16:03.478	-0.9	T__	421.8	_c	ML	2.8	838236	FDSN	PL	--	BUD	iLoc	HHZ	HHZ	_
KWP	1.30	7.0	Lg	01:16:21.043	-1.9	T__			838217	FDSN	PL	--	BUD	iLoc	HHN	???	_		
(Reading ML: 2.8 magdef=1)																			
(Station ML: 2.8 magdef=1)																			
DRGR	1.56	173.8	Pn	01:16:08.503	0.8	T__	202.4	_	ML	2.7	838218	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	1.56	173.8	Sn	01:16:29.428	-0.3	T__			838219	FDSN	RO	--	BUD	iLoc	HHN	???	_		
(Reading ML: 2.7 magdef=1)																			
(Station ML: 2.7 magdef=0)																			
HU23A	1.65	245.5	Pn	01:16:09.280	0.8	T__	411.3	_	ML	3.0	838237	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU23A	1.65	245.5	Pg	01:16:12.141	0.1	T__	410.0	_	ML	3.0	838226	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU23A	1.65	245.5	Lg	01:16:35.367	0.2	T__			838227	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 3.0 magdef=1)																			
(Station ML: 3.0 magdef=1)																			
HU24A	1.68	212.1	Sn	01:16:32.334	0.8	T__			838238	FDSN	Z6	00	BUD	iLoc	HHE	???	_		
HU24A	1.68	212.1	Lg	01:16:37.657	1.5	T__			838240	FDSN	Z6	00	BUD	iLoc	HHE	???	_		
PSZ	1.77	257.1	Pn	01:16:10.194	-0.4	T__	175.6	_	ML	2.7	838221	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.77	257.1	Lg	01:16:39.190	-0.7	T__			838222	FDSN	GE	--	BUD	iLoc	HHN	???	_		
(Reading ML: 2.7 magdef=1)																			
(Station ML: 2.7 magdef=1)																			
NIE	1.79	307.8	Pn	01:16:11.124	0.2	T__	105.3	_	ML	2.5	838224	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	1.79	307.8	Sn	01:16:34.203	-1.2	T__			838225	FDSN	PL	--	BUD	iLoc	BHN	???	_		
NIE	1.79	307.8	Lg	01:16:38.373	0.6	T__			838239	FDSN	PL	--	BUD	iLoc	BHE	???	_		
(Reading ML: 2.5 magdef=1)																			
(Station ML: 2.5 magdef=0)																			
ET1H	1.80	256.0	Pn	01:16:10.241	-0.5	T__	131.2	_	ML	2.6	838223	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.6 magdef=1)																			
(Station ML: 2.6 magdef=0)																			
CJR	1.80	154.4	Pn	01:16:11.819	0.6	T__	329.8	_	ML	3.0	838220	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.0 magdef=1)																			
(Station ML: 3.0 magdef=1)																			
DEV	2.48	172.9	Pg	01:16:26.960	0.3	T__	139.1	_	ML	3.0	838241	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.0 magdef=1)																			
(Station ML: 3.0 magdef=1)																			

OJC	2.56	318.1	Pg	01:16:29.289	1.5	T__	83.1	___	ML	2.8	838242	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 2.8 magdef=1)																			
(Station ML: 2.8 magdef=1)																			
BZS	2.79	192.3	Pn	01:16:24.717	-0.0	T__	51.1	___	ML	2.8	838243	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	2.79	192.3	Sn	01:16:58.188	-0.4	T__		___			838244	FDSN	RO	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.8 magdef=1)																			
(Station ML: 2.8 magdef=1)																			
GZR	2.96	175.7	Pn	01:16:28.340	0.8	T__	64.0	___	ML	3.0	838245	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.0 magdef=1)																			
(Station ML: 3.0 magdef=1)																			
CSKK	3.00	252.5	Pn	01:16:27.391	0.1	T__	79.1	___	ML	3.1	838246	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.1 magdef=1)																			
(Station ML: 3.1 magdef=1)																			
A267A	3.03	244.0	Pg	01:16:37.484	-1.3	T__	178.6	___	ML	3.4	838247	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.4 magdef=1)																			
(Station ML: 3.4 magdef=0)																			
JAVC	3.22	281.0	Pn	01:16:30.669	-0.5	T__	97.1	___	ML	3.3	838248	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.3 magdef=1)																			
(Station ML: 3.3 magdef=0)																			
A266A	3.38	239.0	Pg	01:16:43.868	-1.6	T__	229.3	___	ML	3.7	838249	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.7 magdef=1)																			
(Station ML: 3.7 magdef=0)																			

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/27	03:00:17.47	0.91	0.73	45.9297	16.1836	7.5	3.4	148	9.0f		19	12	143	0.15	1.74		ke BUD	19000910	BUD			168

Magnitude	Err	Nsta	Author	OrigID
ML	2.4	0.1	7 BUD	19000910

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PTJ	0.15	261.5	Pg	03:00:20.842	-0.4					T__		1507.0		___	ML	1.9	838331	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.15	261.5	Lg	03:00:23.746	-0.5					T__				___		838332	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=0)																									
ZAG	0.17	233.3	Pg	03:00:21.491	0.2					T__		4880.0		___	ML	2.5	838330	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.17	233.3	Lg	03:00:24.996	0.9					T__				___		838329	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.5 magdef=1)																									
(Station ML: 2.5 magdef=1)																									
CRES	0.52	258.7	Pg	03:00:27.251	-0.4					T__		178.5		___	ML	2.0	838333	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.52	258.7	Lg	03:00:34.920	-0.4					T__				___		838334	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
KOGS	0.52	5.1	Pg	03:00:27.489	-0.4					T__		196.1		___	ML	2.0	838336	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.52	5.1	Lg	03:00:35.121	0.4					T__				___		838335	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
A264A	0.80	73.0	Pg	03:00:32.875	-0.4					T__		267.5		___	ML	2.4	838338	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A264A	0.80	73.0	Lg	03:00:43.776	-0.0					T__				___		838337	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=1)																									
A273A	1.14	90.1	Lg	03:00:54.695	0.7					T__				___		838341	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A265A	1.22	65.6	Pn	03:00:41.074	1.3					T__		319.0		___	ML	2.7	838343	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_

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A265A  1.22  65.6 Sn    03:00:56.886  0.7          T__          ---          838342    FDSN Z6    00 BUD  iLoc HHN ??? _
(Reading ML:  2.7 magdef=1
(Station ML:  2.7 magdef=0
OBKA   1.27 297.6 Pn    03:00:42.352  0.9          T__    183.4    --- ML    2.5 838339    FDSN OE    -- BUD  iLoc HHZ HHZ _
OBKA   1.27 297.6 Sn    03:00:58.931  0.3          T__          ---          838340    FDSN OE    -- BUD  iLoc HHN ??? _
(Reading ML:  2.5 magdef=1
(Station ML:  2.5 magdef=1
ARSA   1.40 341.2 Lg    03:01:02.802  0.8          T__          ---          838344    FDSN OE    -- BUD  iLoc HHN ??? _
MPLH   1.55  36.5 Lg    03:01:06.965 -0.7          T__          ---          838345    FDSN HU    -- BUD  iLoc HHN ??? _
A266A  1.56  66.8 Lg    03:01:08.572  1.0          T__          ---          838346    FDSN Z6    00 BUD  iLoc HHN ??? _
MORH   1.74  79.7 Lg    03:01:12.005 -0.8          T__          ---          838347    FDSN HU    -- BUD  iLoc HHN ??? _

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Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author  OrigID  Rep  DPdep  Err Sgp
2023/02/27 07:59:09.13  2.78  1.24  48.2593  21.4932  30.5  5.8 163  0.0f  9  6 172  0.17  1.37  sx BUD  19000914  BUD  214

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Magnitude Err Nsta Author OrigID

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Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
ABAH  0.17 282.4 Pg    07:59:13.110  0.0          T__          500.6          --- ML    1.5 838427    FDSN HU    -- BUD  iLoc HHZ HHZ _
ABAH  0.17 282.4 Lg    07:59:16.542 -0.0          T__          ---          838426    FDSN HU    -- BUD  iLoc HHN ??? _
(Reading ML:  1.5 magdef=1
(Station ML:  1.5 magdef=1
JOS   0.68 290.8 Pg    07:59:23.139  0.5          T__          54.9          --- ML    1.6 838432    FDSN Z6    -- BUD  iLoc HHZ HHZ _
JOS   0.68 290.8 Lg    07:59:32.488 -0.5          T__          ---          838431    FDSN Z6    -- BUD  iLoc HHN ??? _
(Reading ML:  1.6 magdef=1
(Station ML:  1.6 magdef=1
KOLS  0.85  37.2 Pg    07:59:25.745  0.3          T__          ---          838430    FDSN SK    -- BUD  iLoc HHZ ??? _
KOLS  0.85  37.2 Lg    07:59:37.833 -1.4          T__          ---          838433    FDSN SK    -- BUD  iLoc HHN ??? _
PSZ   1.12 252.9 Sn    07:59:47.656 -1.2          T__          ---          838428    FDSN GE    -- BUD  iLoc HHN ??? _
ET1H  1.15 251.3 Sn    07:59:48.094 -0.9          T__          ---          838429    FDSN HU    -- BUD  iLoc HHN ??? _
MEZ   1.37  78.5 Sn    07:59:53.491 -2.1          T__          ---          838434    FDSN UA    -- BUD  iLoc BHN ??? _

```

```

Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author  OrigID  Rep  DPdep  Err Sgp
2023/02/27 08:13:17.12  1.27  0.73  48.0662  20.7262  9.0  5.4 164  0.0f  6  4 196  0.41  0.60  sx BUD  19000916  BUD  268
2023/02/27 08:13:16.89  1.02  1.05  48.0471  20.6805f  0.0f  6  4 196  0.45  0.57  kx BUD_GT  19000917  BUD_GT  264

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(locality: Miskolc-Mexikövölgy Hungary)  
(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID

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Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
ABAH  0.45  56.1 Pg    08:13:25.909 -0.2          T__          59.1          --- ML    1.3 838455    FDSN HU    -- BUD  iLoc HHZ HHZ _
ABAH  0.45  56.1 Lg    08:13:32.519 -1.5          T__          ---          838456    FDSN HU    -- BUD  iLoc HHN ??? _
(Reading ML:  1.3 magdef=1
(Station ML:  1.3 magdef=0
JOS   0.46 348.2 Pg    08:13:26.731  0.5          T__          83.7          --- ML    1.5 838454    FDSN Z6    -- BUD  iLoc HHZ HHZ _
JOS   0.46 348.2 Lg    08:13:32.337 -1.0          T__          ---          838453    FDSN Z6    -- BUD  iLoc HHN ??? _
(Reading ML:  1.5 magdef=1
(Station ML:  1.5 magdef=0
PSZ   0.54 256.6 Lg    08:13:38.234  0.9          T__          ---          838457    FDSN GE    -- BUD  iLoc HHN ??? _

```

ET1H 0.57 253.1 Lg 08:13:38.851 1.1 T\_\_ --- 838458 FDSN HU -- BUD iLoc HHN ??? \_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
2023/02/27 10:30:35.26 1.12 1.43 48.8071 21.3569 10.3 5.4 137 0.0f 8 6 142 0.52 1.74 sx BUD 19000918 BUD 223

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
ABAH	0.52	188.7	Lg	10:30:54.504	0.1					T__						838494	FDSN	HU	--	BUD	iLoc	HHN	???	_		
JOS	0.63	240.4	Pg	10:30:48.186	0.5					T__		45.0			ML	1.5	838492	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_	
JOS	0.63	240.4	Lg	10:30:55.380	-1.7					T__						838495	FDSN	Z6	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.5 magdef=1)																										
(Station ML: 1.5 magdef=1)																										
NIE	0.93	311.8	Lg	10:31:06.175	0.3					T__						838496	FDSN	PL	--	BUD	iLoc	BHN	???	_		
KWP	1.21	46.5	Pg	10:30:58.445	0.4					T__		178.8			ML	2.4	838497	FDSN	PL	--	BUD	iLoc	HHZ	HHZ	_	
KWP	1.21	46.5	Lg	10:31:13.490	-2.3					T__						838493	FDSN	PL	--	BUD	iLoc	HHN	???	_		
(Reading ML: 2.4 magdef=1)																										
(Station ML: 2.4 magdef=1)																										
PSZ	1.32	228.2	Sn	10:31:20.366	0.5					T__						838498	FDSN	GE	--	BUD	iLoc	HHN	???	_		
OJC	1.74	324.9	Sn	10:31:29.495	-1.2					T__						838499	FDSN	PL	--	BUD	iLoc	BHN	???	_		

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
2023/02/27 11:32:22.92 1.23 1.46 47.5309 18.6998 16.9 3.4 167 0.0f 7 5 138 0.22 1.50 sx BUD 19000920 BUD 178

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
BUD	0.22	102.0	Pg	11:32:28.711	0.6					T__		202.4			ML	1.2	838521	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
BUD	0.22	102.0	Lg	11:32:31.779	-0.6					T__						838522	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.2 magdef=1)																										
(Station ML: 1.2 magdef=1)																										
CSKK	0.34	240.8	Pg	11:32:31.167	1.0					T__		134.7			ML	1.4	838519	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
CSKK	0.34	240.8	Lg	11:32:34.637	-1.8					T__						838523	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.4 magdef=1)																										
(Station ML: 1.4 magdef=1)																										
MPLH	0.87	245.8	Lg	11:32:52.350	-0.9					T__						838524	FDSN	HU	--	BUD	iLoc	HHN	???	_		
PSZ	0.89	63.9	Lg	11:32:54.388	-1.2					T__						838520	FDSN	GE	--	BUD	iLoc	HHN	???	_		
JAVC	1.50	333.0	Sn	11:33:13.777	1.2					T__						838525	FDSN	CZ	--	BUD	iLoc	HHN	???	_		

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
2023/02/27 12:36:58.22 1.49 0.53 46.1363 16.4164 11.3 5.2 109 0.0f 7 5 142 0.33 1.27 sx BUD 19000922 BUD 254

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
KOGS	0.33	339.8	Pg	12:37:05.321	0.1					T__		142.1			ML	1.4	838546	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_	
KOGS	0.33	339.8	Lg	12:37:09.776	-0.3					T__						838547	FDSN	SL	--	BUD	iLoc	BHN	???	_		
(Reading ML: 1.4 magdef=1)																										
(Station ML: 1.4 magdef=1)																										

PTJ	0.39	233.9	Pg	12:37:05.985	-0.4	T__	142.6	___	ML	1.5	838548	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.39	233.9	Lg	12:37:12.854	0.5	T__		---			838545	FDSN	CR	--	BUD	iLoc	BHN	???	_
				(Reading ML: 1.5 magdef=1															
				(Station ML: 1.5 magdef=1															
CRES	0.74	245.5	Lg	12:37:23.952	0.7	T__		---			838549	FDSN	SL	--	BUD	iLoc	BHN	???	_
KOVH	1.17	91.7	Lg	12:37:37.573	0.3	T__		---			838550	FDSN	HU	--	BUD	iLoc	HHN	???	_
ARSA	1.27	331.4	Lg	12:37:38.596	-0.2	T__		---			838551	FDSN	OE	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/27	13:24:58.15	1.16	0.67	48.3294	19.8797	9.2	3.8	111	0.0f		10	5	193	0.41	1.12	sx	BUD	19000924	BUD			248

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.1	5 BUD	19000924

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.41	178.6	Pg	13:25:06.938	-0.3					T__		172.8		---	ML	1.7	838580	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.41	178.6	Lg	13:25:13.913	-0.0					T__				---		838583	FDSN	GE	--	BUD	iLoc	HHE	???	_	
				(Reading ML: 1.7 magdef=1																					
				(Station ML: 1.7 magdef=1																					
ET1H	0.45	180.7	Pg	13:25:08.216	0.4					T__		81.8		---	ML	1.5	838582	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.45	180.7	Lg	13:25:14.643	-0.2					T__				---		838581	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.5 magdef=1																					
				(Station ML: 1.5 magdef=0																					
JOS	0.47	69.0	Pg	13:25:07.404	-0.2					T__		77.9		---	ML	1.5	838584	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.47	69.0	Lg	13:25:14.753	-0.1					T__				---		838577	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.5 magdef=1																					
				(Station ML: 1.5 magdef=1																					
ABAH	0.91	91.6	Pg	13:25:17.236	1.1					T__		69.5		---	ML	1.8	838579	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.91	91.6	Lg	13:25:29.945	-0.4					T__				---		838578	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.8 magdef=1																					
				(Station ML: 1.8 magdef=0																					
NIE	1.12	14.1	Pg	13:25:20.025	0.6					T__		41.1		---	ML	1.7	838586	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	1.12	14.1	Lg	13:25:34.851	-1.0					T__				---		838585	FDSN	PL	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 1.7 magdef=1																					
				(Station ML: 1.7 magdef=1																					

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/02/27	21:04:06.36	1.33	0.18	48.4628	21.0835	12.2	4.4	25	8.0	14.2	6	4	143	0.20	0.96	ke	BUD	19000926	BUD					232

Magnitude	Err	Nsta	Author	OrigID
-----------	-----	------	--------	--------

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.20	148.0	Pg	21:04:10.681	0.0					T__		148.6		---	ML	1.0	838632	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.20	148.0	Lg	21:04:14.223	-0.1					T__				---		838631	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.0 magdef=1																					
				(Station ML: 1.0 magdef=1																					
JOS	0.36	275.4	Pg	21:04:13.676	-0.1					T__		72.6		---	ML	1.2	838630	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.36	275.4	Lg	21:04:19.603	0.2					T__				---		838635	FDSN	Z6	--	BUD	iLoc	HHE	???	_	
				(Reading ML: 1.2 magdef=1																					
				(Station ML: 1.2 magdef=1																					

KOLS	0.92	58.7	Lg	21:04:37.471	0.1	T__									838633	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	0.96	236.0	Lg	21:04:40.007	0.0	T__									838634	FDSN	GE	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/27	23:27:42.69	1.97	0.90	45.5512	16.0431	13.2	7.0	178	10.0f		14	9	231	0.28	1.93	ke	BUD	19000930	BUD			240

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.1	5 BUD	19000930

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ZAG	0.28	351.9	Pg	23:27:48.113	-0.4					T__		582.1		---	ML	1.8	838775	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.28	351.9	Lg	23:27:53.573	0.9					T__				---		838782	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
PTJ	0.36	351.6	Pg	23:27:49.007	-1.3					T__		164.3		---	ML	1.5	838774	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.36	351.6	Lg	23:27:56.190	0.3					T__				---		838783	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=0)																									
CRES	0.49	304.0	Pg	23:27:52.130	-0.3					T__		118.5		---	ML	1.7	838777	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.49	304.0	Lg	23:28:00.438	0.6					T__				---		838776	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
KOGS	0.91	9.1	Pg	23:28:00.438	0.5					T__		118.7		---	ML	2.1	838773	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.91	9.1	Sn	23:28:14.513	0.3					T__				---		838778	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
BEHE	1.05	28.8	Lg	23:28:17.907	0.8					T__				---		838785	FDSN	HU	--	BUD	iLoc	HHN	???	_	
A264A	1.06	54.6	Lg	23:28:17.262	0.0					T__				---		838784	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A273A	1.29	73.0	Sn	23:28:23.026	-0.3					T__				---		838786	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
OBKA	1.41	313.2	Lg	23:28:29.761	1.3					T__				---		838779	FDSN	OE	--	BUD	iLoc	HHN	???	_	
MORH	1.93	69.0	Pg	23:28:18.693	-0.0					T__		55.4		---	ML	2.3	838781	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	1.93	69.0	Sn	23:28:40.495	1.7					T__				---		838780	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=0)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/28	03:28:34.26	3.57	0.70	45.5468	16.1123	23.2	11.4	142	10.0f		8	4	295	0.29	0.91	ke	BUD	19000932	BUD			336

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.3	4 BUD	19000932

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ZAG	0.29	342.6	Pg	03:28:40.537	0.2					T__		422.5		---	ML	1.7	838818	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.29	342.6	Lg	03:28:45.520	0.8					T__				---		838817	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
PTJ	0.37	344.4	Pg	03:28:41.631	-0.5					T__		121.2		---	ML	1.4	838815	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.37	344.4	Lg	03:28:47.364	-0.6					T__				---		838816	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									

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CRES 0.54 301.5 Pg 03:28:44.904 0.1 T__ 95.6 ___ ML 1.8 838819 FDSN SL -- BUD iLoc BHZ BHZ _
CRES 0.54 301.5 Lg 03:28:52.390 -0.4 T__ ___ 838820 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
KOGS 0.91 6.0 Pn 03:28:52.812 0.2 T__ 170.9 ___ ML 2.2 838822 FDSN SL -- BUD iLoc BHZ BHZ _
KOGS 0.91 6.0 Sn 03:29:06.652 1.0 T__ ___ 838821 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1

```

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/28	08:25:18.31	1.01	0.62	47.0908	17.9822	5.8	5.0	178	0.0f		6	3	132	0.31	0.99	sx	BUD	19000938	BUD			250

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.3	3 BUD	19000938

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
MPLH 0.31 284.9 Pg 08:25:25.563 0.4 T__ 88.9 ___ ML 1.1 839015 FDSN HU -- BUD iLoc HHZ HHZ _
MPLH 0.31 284.9 Lg 08:25:29.535 -1.0 T__ ___ 839017 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=1
CSKK 0.33 34.7 Pg 08:25:25.544 0.1 T__ 119.3 ___ ML 1.3 839016 FDSN HU -- BUD iLoc HHZ HHZ _
CSKK 0.33 34.7 Lg 08:25:31.572 -0.0 T__ ___ 839018 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
MORH 0.99 152.3 Pg 08:25:37.902 -0.1 T__ 56.6 ___ ML 1.8 839019 FDSN HU -- BUD iLoc HHZ HHZ _
MORH 0.99 152.3 Lg 08:25:52.746 0.3 T__ ___ 839020 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1

```

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/28	09:41:49.89	1.12	0.35	47.8697	19.9144	5.5	4.7	158	0.0f		8	5	152	0.03	0.99	sx	BUD	19000940	BUD			224
2023/02/28	09:41:49.25	0.96	0.93	47.8285	19.9317f				0.0f		8	5	189	0.06	0.99	kx	BUD_GT	19000941	BUD_GT			259

(locality : Gyöngyössolymos Hungary)  
(description : known quarry blast)  
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
ML	2.2	0.1	3 BUD_GT	19000941

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
ET1H 0.06 321.2 Pg 09:41:51.135 -0.0 T__ 4121.3 ___ ML 2.1 839046 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.06 321.2 Lg 09:41:52.321 -0.6 T__ ___ 839049 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
PSZ 0.09 344.4 Pg 09:41:51.682 -0.2 T__ 4207.8 ___ ML 2.2 839045 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.09 344.4 Lg 09:41:53.234 -1.1 T__ ___ 839050 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
HU23A 0.29 131.3 Lg 09:42:02.356 1.7 T__ ___ 839051 FDSN Z6 00 BUD iLoc HHN ??? _
JOS 0.78 31.1 Lg 09:42:16.725 -0.0 T__ ___ 839047 FDSN Z6 -- BUD iLoc HHN ??? _

```

ABAH	0.99	61.4	Pn	09:42:10.294	1.1	T__	162.2	___	ML	2.3	839048	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.99	61.4	Lg	09:42:25.303	0.6	T__		---			839052	FDSN	HU	--	BUD	iLoc	HNN	???	_

(Reading ML: 2.3 magdef=1  
 (Station ML: 2.3 magdef=1)

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/28	10:03:08.32	1.38	1.06	48.4763	17.5660	12.7	3.4	121	10.0f		8	5	217	0.22	1.27	ke	BUD	19000942	BUD			280

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
MODS	0.22	242.0	Pg	10:03:13.530	0.2					T__						839074	FDSN	SK	--	BUD	iLoc	HHZ	???	_		
MODS	0.22	242.0	Lg	10:03:15.550	-1.7					T__						839077	FDSN	SK	--	BUD	iLoc	HNN	???	_		
JAVC	0.39	10.2	Pg	10:03:16.561	-0.0					T__		245.0			___	ML	1.8	839076	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.39	10.2	Lg	10:03:22.945	-0.0					T__						839079	FDSN	CZ	--	BUD	iLoc	HNN	???	_		

(Reading ML: 1.8 magdef=1  
 (Station ML: 1.8 magdef=0)

ZST	0.42	228.0	Pg	10:03:17.729	0.8					T__						839075	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.42	228.0	Lg	10:03:22.325	-1.1					T__						839078	FDSN	SK	--	BUD	iLoc	HNN	???	_
KRUC	0.97	307.6	Lg	10:03:41.497	0.3					T__						839080	FDSN	CZ	--	BUD	iLoc	HNN	???	_
CONA	1.27	244.9	Lg	10:03:50.663	0.8					T__						839081	FDSN	OE	--	BUD	iLoc	HNN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/02/28	10:30:22.61	1.22	1.34	47.2319	18.2589	16.9	5.3	100	0.0f		4	3	164	0.13	1.05	sx	BUD	19000944	BUD				308
2023/02/28	10:30:22.53	1.07	0.78	47.2302	18.2835f				0.0f		4	3	172	0.13	1.05	kx	BUD_GT	19000945	BUD_GT				307

(locality: Iszkaszentgyörgy Hungary)

(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID  
 ML 1.6 0.2 3 BUD 19000945

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
CSKK	0.13	353.3	Pg	10:30:26.352	0.5					T__		168.0			___	ML	0.9	839095	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.13	353.3	Lg	10:30:27.910	-1.1					T__						839096	FDSN	HU	--	BUD	iLoc	HNN	???	_		

(Reading ML: 0.9 magdef=1  
 (Station ML: 0.9 magdef=0)

TIH	0.42	219.1	Lg	10:30:37.581	-0.6					T__						839097	FDSN	HU	--	BUD	iLoc	HHE	???	_
MORH	1.05	166.2	Lg	10:30:58.290	-0.3					T__						839098	FDSN	HU	--	BUD	iLoc	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/02/28	11:00:45.36	1.20	1.16	48.1098	17.0328	11.1	3.9	139	0.0f		11	6	198	0.10	1.04	sx	BUD	19000946	BUD				225

Magnitude Err Nsta Author OrigID  
 ML 2.1 0.2 3 BUD 19000946

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
ZST	0.10	28.4	Pg	11:00:48.679	0.7					T__						839123	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.10	28.4	Lg	11:00:50.651	0.4					T__						839124	FDSN	SK	--	BUD	iLoc	HNN	???	_
MODS	0.31	31.7	Pg	11:00:52.367	0.2					T__						839122	FDSN	SK	--	BUD	iLoc	HHZ	???	_



MODS	0.31	31.7	Lg	11:00:56.822	-0.8	T__								839121	FDSN	SK	--	BUD	iLoc	HHN	???	_
RONA	0.64	230.6	Lg	11:01:06.174	-0.7	T__								839126	FDSN	OE	--	BUD	iLoc	HHN	???	_
CONA	0.81	257.4	Pg	11:01:01.016	-0.3	T__				99.2				839129	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.81	257.4	Lg	11:01:12.264	0.4	T__								839127	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1)																						
(Station ML: 1.9 magdef=1)																						
JAVC	0.86	29.3	Pg	11:01:03.647	0.6	T__				203.2				839130	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.86	29.3	Lg	11:01:14.384	-2.0	T__								839128	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.3 magdef=1)																						
(Station ML: 2.3 magdef=1)																						
KRUC	1.04	336.3	Pg	11:01:06.881	1.5	T__				100.3				839131	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.04	336.3	Lg	11:01:19.298	-1.5	T__								839125	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.1 magdef=1)																						
(Station ML: 2.1 magdef=1)																						

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/28	11:12:50.34	0.94	0.80	48.8006	21.6349	6.4	4.1	161	0.0f		13	9	79	0.44	1.86	sx	BUD	19000948	BUD			111

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.2	4 BUD	19000948

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
KOLS	0.44	72.3	Pg	11:12:59.123	0.1					T__						839162	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	0.44	72.3	Lg	11:13:05.587	-0.8					T__						839167	FDSN	SK	--	BUD	iLoc	HHN	???	_
ABAH	0.57	207.6	Lg	11:13:10.044	-1.3					T__						839164	FDSN	HU	--	BUD	iLoc	HHN	???	_
JOS	0.79	247.6	Pg	11:13:06.591	0.6					T__		75.1				839161	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.79	247.6	Lg	11:13:16.342	-1.4					T__						839168	FDSN	Z6	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1)																								
(Station ML: 1.8 magdef=1)																								
TRPA	0.90	137.8	Pg	11:13:08.399	0.6					T__		87.8				839163	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.90	137.8	Lg	11:13:22.166	-0.2					T__						839169	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1)																								
(Station ML: 1.9 magdef=1)																								
NIE	1.07	305.7	Pg	11:13:10.796	0.2					T__		91.7				839166	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 2.1 magdef=1)																								
(Station ML: 2.1 magdef=1)																								
KWP	1.09	39.8	Pg	11:13:11.490	0.6					T__		239.6				839165	FDSN	PL	--	BUD	iLoc	HHZ	HHZ	_
KWP	1.09	39.8	Lg	11:13:25.952	-0.9					T__						839170	FDSN	PL	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.5 magdef=1)																								
(Station ML: 2.5 magdef=1)																								
MEZ	1.28	102.3	Lg	11:13:34.163	0.2					T__						839171	FDSN	UA	--	BUD	iLoc	BHN	???	_
PSZ	1.46	233.4	Sn	11:13:38.045	-0.3					T__						839172	FDSN	GE	--	BUD	iLoc	HHN	???	_
OJC	1.86	320.6	Lg	11:13:50.076	-0.2					T__						839173	FDSN	PL	--	BUD	iLoc	BHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/28	11:15:46.40	0.93	1.23	48.8255	21.6421	5.8	3.8	152	0.0f		14	8	96	0.43	1.51	sx	BUD	19000950	BUD			154

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.1	5 BUD	19000950

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
KOLS	0.43	75.2	Pg	11:15:54.638	-0.2					T__						839207	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.43	75.2	Lg	11:16:01.722	-0.3					T__						839208	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ABAH	0.59	206.9	Pg	11:15:59.664	1.4					T__		98.5			ML	1.8	839210	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.59	206.9	Lg	11:16:06.493	-1.7					T__						839209	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=0)																									
JOS	0.80	246.1	Pg	11:16:02.548	0.3					T__		93.9			ML	1.9	839211	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.80	246.1	Lg	11:16:12.408	-1.8					T__						839212	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
TRPA	0.92	139.0	Pg	11:16:04.061	-0.1					T__		127.1			ML	2.1	839214	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.92	139.0	Lg	11:16:18.084	-0.8					T__						839213	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
NIE	1.06	304.4	Pg	11:16:06.696	0.3					T__		86.5			ML	2.0	839215	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	1.06	304.4	Lg	11:16:20.701	-1.5					T__						839216	FDSN	PL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
KWP	1.07	40.5	Pg	11:16:08.126	1.6					T__		301.5			ML	2.6	839218	FDSN	PL	--	BUD	iLoc	HHZ	HHZ	_
KWP	1.07	40.5	Lg	11:16:22.076	-0.1					T__						839217	FDSN	PL	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.6 magdef=1)																									
(Station ML: 2.6 magdef=0)																									
PSZ	1.48	232.7	Sn	11:16:33.459	-1.4					T__						839219	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	1.51	231.9	Sn	11:16:36.162	0.9					T__						839220	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/02/28	18:52:11.17	2.49	0.69	45.7430	21.5669	21.6	6.9	169	15.0f		7	4	176	0.13	1.32	ke	BUD	19000956	BUD			251

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	1.2	3 BUD	19000956

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
BZS	0.13	164.5	Pg	18:52:14.504	-0.5					T__		148.5			ML	0.8	839352	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.13	164.5	Lg	18:52:17.889	0.1					T__						839349	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=1)																									
BANR	0.47	220.2	Pg	18:52:20.553	-0.0					T__		1039.9			ML	2.6	839351	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BANR	0.47	220.2	Lg	18:52:27.820	0.2					T__						839350	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.6 magdef=1)																									
(Station ML: 2.6 magdef=1)																									
GZR	0.92	111.9	Pn	18:52:29.401	0.4					T__		62.0			ML	1.8	839354	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	0.92	111.9	Lg	18:52:42.480	1.1					T__						839353	FDSN	RO	--	BUD	iLoc	HHE	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
DRGR	1.32	36.7	Sn	18:52:51.753	-0.4					T__						839355	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/01	07:59:31.98	1.03	0.90	46.0631	22.8831	7.9	4.3	79	0.0f		10	5	143	0.18	0.99	sx	BUD	19000960	BUD			250

Magnitude Err Nsta Author OrigID  
 ML 1.8 0.0 5 BUD 19000960

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
DEV	0.18	175.5	Pg	07:59:35.538	0.1					T__		670.6		---	ML	1.6 839450	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.18	175.5	Lg	07:59:38.232	0.3					T__				---		839457	FDSN	RO	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1 Station ML: 1.6 magdef=0)																								
GZR	0.67	186.4	Pg	07:59:44.775	-0.1					T__		101.9		---	ML	1.9 839452	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	0.67	186.4	Lg	07:59:54.526	0.0					T__				---		839451	FDSN	RO	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=0)																								
DRGR	0.74	350.8	Pg	07:59:47.298	0.4					T__		75.5		---	ML	1.8 839456	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	0.74	350.8	Lg	07:59:57.263	-1.5					T__				---		839453	FDSN	RO	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=1)																								
LOT	0.87	134.4	Pg	07:59:49.081	0.3					T__		67.1		---	ML	1.8 839455	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
LOT	0.87	134.4	Lg	07:59:59.944	-1.6					T__				---		839454	FDSN	RO	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=1)																								
BZS	0.99	243.7	Pg	07:59:51.011	-0.3					T__		46.2		---	ML	1.7 839459	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.99	243.7	Lg	08:00:05.723	0.5					T__				---		839458	FDSN	RO	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=1)																								

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/03/01 09:56:16.56 1.11 0.90 46.8369 17.3778 6.9 4.5 150 0.0f 11 8 82 0.19 1.13 sx BUD 19000964 BUD 126

Magnitude Err Nsta Author OrigID  
 ML 2.2 0.2 3 BUD 19000964

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A261A	0.19	306.3	Pg	09:56:21.729	0.6					T__		3500.7		---	ML	2.4 839539	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A261A	0.19	306.3	Lg	09:56:24.210	-0.4					T__				---		839540	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.4 magdef=1 Station ML: 2.4 magdef=1)																								
MPLH	0.35	18.3	Pg	09:56:24.447	0.3					T__		347.5		---	ML	1.8 839542	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.35	18.3	Lg	09:56:29.707	-0.4					T__				---		839541	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=1)																								
BEHE	0.55	228.7	Lg	09:56:34.984	-0.9					T__				---		839545	FDSN	HU	--	BUD	iLoc	HHN	???	_
A262A	0.58	273.0	Pg	09:56:28.445	0.0					T__		248.3		---	ML	2.2 839544	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A262A	0.58	273.0	Lg	09:56:35.288	-1.2					T__				---		839543	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.2 magdef=1 Station ML: 2.2 magdef=1)																								
CSKK	0.80	48.6	Lg	09:56:44.828	-1.3					T__				---		839546	FDSN	HU	--	BUD	iLoc	HHN	???	_
KOVH	0.90	146.1	Lg	09:56:48.243	1.1					T__				---		839547	FDSN	HU	--	BUD	iLoc	HHN	???	_
MORH	1.07	125.0	Sn	09:56:54.299	0.6					T__				---		839548	FDSN	HU	--	BUD	iLoc	HHN	???	_
RONA	1.13	319.9	Lg	09:56:54.845	0.7					T__				---		839549	FDSN	OE	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/01	11:07:19.48	0.87	1.57	47.9299	20.0129	5.8	3.3	153	0.0f	24	18	65	0.08	1.95	sx	BUD	19000966	BUD				90
2023/03/01	11:07:18.87	0.83	1.45	47.8987	20.0893f				0.0f	24	18	63	0.13	1.95	kx	BUD_GT	19000967	BUD_GT				84

(locality: Recsk Hungary)  
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
ML	2.3	0.1	8 BUD_GT	19000967

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.13	278.6	Pg	11:07:21.950	-0.4					T__		3699.6		_c_	ML	2.2	839664	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.13	278.6	Lg	11:07:24.410	-0.9					T__				---		839643	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1 Station ML: 2.2 magdef=1)																									
ET1H	0.15	262.5	Pg	11:07:22.079	-0.4					T__		1794.5		_c_	ML	2.0	839665	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.15	262.5	Lg	11:07:25.030	-0.3					T__				---		839644	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1 Station ML: 2.0 magdef=0)																									
HU23A	0.28	157.3	Lg	11:07:32.193	2.1					T__				---		839645	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
JOS	0.67	26.6	Pg	11:07:32.300	0.0					T__		143.7		---	ML	2.0	839647	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.67	26.6	Lg	11:07:43.034	0.5					T__				---		839646	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1 Station ML: 2.0 magdef=1)																									
ABAH	0.87	62.3	Pn	11:07:37.406	0.4					T__		157.9		---	ML	2.2	839666	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.87	62.3	Lg	11:07:50.401	0.3					T__				---		839648	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1 Station ML: 2.2 magdef=1)																									
SRO	1.20	266.6	Sn	11:07:59.125	-0.6					T__				---		839649	FDSN	SK	--	BUD	iLoc	EHN	???	_	
HU24A	1.23	143.3	Lg	11:08:02.204	0.4					T__				---		839650	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CSKK	1.35	247.3	Sn	11:08:04.513	1.1					T__				---		839651	FDSN	HU	--	BUD	iLoc	HHN	???	_	
A272A	1.39	213.9	Lg	11:08:06.395	-1.3					T__				---		839652	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A267A	1.45	229.5	Lg	11:08:08.875	-0.8					T__				---		839653	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
NIE	1.53	5.2	Sn	11:08:09.132	0.8					T__				---		839654	FDSN	PL	--	BUD	iLoc	BHN	???	_	
TRPA	1.66	81.1	Pg	11:07:53.993	3.2					T__		88.9		---	ML	2.4	839656	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	1.66	81.1	Lg	11:08:14.178	-1.2					T__				---		839655	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.4 magdef=1 Station ML: 2.4 magdef=1)																									
HU22A	1.70	203.0	Lg	11:08:18.198	-0.0					T__				---		839657	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A266A	1.85	222.8	Lg	11:08:21.449	-0.9					T__				---		839658	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	1.88	248.1	Pn	11:07:53.565	2.4					T__		64.9		---	ML	2.4	839661	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.4 magdef=1 Station ML: 2.4 magdef=1)																									
JAVC	1.88	301.7	Pg	11:07:56.388	-0.1					T__		116.9		---	ML	2.6	839660	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	1.88	301.7	Sn	11:08:20.935	3.2					T__				---		839659	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.6 magdef=1 Station ML: 2.6 magdef=0)																									
MODS	1.94	285.2	Lg	11:08:23.501	-2.9					T__				---		839662	FDSN	SK	--	BUD	iLoc	HHN	???	_	
MORH	1.95	210.9	Pg	11:07:57.671	-0.3					T__		52.9		---	ML	2.3	839663	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.3 magdef=1 Station ML: 2.3 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
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2023/03/01 11:09:02.48 0.91 1.74 47.9091 20.0504 4.5 3.5 0 0.0f 17 11 71 0.11 1.95 sx BUD 19000968 BUD 91  
 2023/03/01 11:09:02.17 0.88 1.50 47.8987 20.0893f 0.0f 17 11 76 0.13 1.95 kx BUD\_GT 19000969 BUD\_GT 95  
 (locality: Recsk Hungary)  
 (GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID  
 ML 1.9 0.2 7 BUD\_GT 19000969

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
PSZ	0.13	278.6	Pg	11:09:05.646	0.0					T__		1469.6		---	ML	1.8 839714	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.13	278.6	Lg	11:09:07.164	-1.4					T__				---		839715	FDSN	GE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1)																								
(Station ML: 1.8 magdef=1)																								
ET1H	0.15	262.5	Pg	11:09:05.838	0.1					T__		691.9		---	ML	1.6 839717	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.15	262.5	Lg	11:09:07.977	-0.7					T__				---		839716	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1)																								
(Station ML: 1.6 magdef=0)																								
HU23A	0.28	157.3	Pg	11:09:09.773	1.2					T__		599.6		---	ML	1.9 839718	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1)																								
(Station ML: 1.9 magdef=1)																								
BSZH	0.61	168.6	Pg	11:09:16.188	0.6					T__		769.4		---	ML	2.7 839720	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BSZH	0.61	168.6	Lg	11:09:24.655	-0.4					T__				---		839719	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.7 magdef=1)																								
(Station ML: 2.7 magdef=0)																								
JOS	0.67	26.6	Pg	11:09:16.444	0.9					T__		73.3		---	ML	1.7 839721	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.67	26.6	Lg	11:09:25.297	-0.5					T__				---		839722	FDSN	Z6	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1)																								
(Station ML: 1.7 magdef=1)																								
ABAH	0.87	62.3	Pn	11:09:20.977	0.6					T__		103.8		---	ML	2.0 839724	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.87	62.3	Lg	11:09:32.781	-0.6					T__				---		839723	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.0 magdef=1)																								
(Station ML: 2.0 magdef=1)																								
CSKK	1.35	247.3	Sn	11:09:47.749	1.0					T__				---		839725	FDSN	HU	--	BUD	iLoc	HHN	???	_
NIE	1.53	5.2	Sn	11:09:52.196	0.5					T__				---		839726	FDSN	PL	--	BUD	iLoc	BHN	???	_
TRPA	1.66	81.1	Lg	11:09:59.124	0.5					T__				---		839727	FDSN	HU	--	BUD	iLoc	HHN	???	_
JAVC	1.88	301.7	Lg	11:10:04.513	-2.7					T__				---		839728	FDSN	CZ	--	BUD	iLoc	HHN	???	_
MORH	1.95	210.9	Pg	11:09:42.531	1.2					T__		46.6		---	ML	2.3 839730	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	1.95	210.9	Sn	11:10:05.111	4.4					T__				---		839729	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.3 magdef=1)																								
(Station ML: 2.3 magdef=1)																								

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/03/01 12:34:08.33 1.45 1.36 46.1153 16.4926 9.5 6.5 137 0.0f 9 7 149 0.37 1.50 sx BUD 19000972 BUD 157

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
KOGS	0.37	333.3	Pg	12:34:16.635	0.6					T__		187.7		---	ML	1.6 839834	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.37	333.3	Lg	12:34:20.220	-1.2					T__				---		839836	FDSN	SL	--	BUD	iLoc	BHN	???	_
(Reading ML: 1.6 magdef=1)																								
(Station ML: 1.6 magdef=1)																								
BEHE	0.41	28.8	Lg	12:34:22.017	-1.2					T__				---		839837	FDSN	HU	--	BUD	iLoc	HHN	???	_

PTJ	0.42	240.5	Lg	12:34:23.043	-0.5					T__					839838	FDSN	CR	--	BUD	iLoc	BHN	???	_
CRES	0.78	248.5	Lg	12:34:33.777	-0.9					T__					839839	FDSN	SL	--	BUD	iLoc	BHN	???	_
KOVH	1.12	90.8	Pn	12:34:30.270	-0.0					T__	61.6				839841	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	1.12	90.8	Lg	12:34:45.923	0.1					T__					839840	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1)																							
(Station ML: 1.9 magdef=1)																							
ARSA	1.32	329.9	Lg	12:34:51.482	1.2					T__					839842	FDSN	OE	--	BUD	iLoc	HHN	???	_
MORH	1.50	85.4	Sn	12:34:58.203	2.3					T__					839835	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/01	14:04:51.61	1.12	1.49	48.7480	22.4411	8.6	3.8	96	0.0f		8	6	126	0.15	1.29	sx	BUD	19000974	BUD			196

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
UZH	0.15	220.0	Pg	14:04:55.506	0.6					T__						839893	FDSN	UA	--	BUD	iLoc	BHZ	???	_
UZH	0.15	220.0	Lg	14:04:57.711	-0.3					T__						839892	FDSN	UA	--	BUD	iLoc	BHN	???	_
KOLS	0.22	329.2	Pg	14:04:55.940	-0.1					T__						839899	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	0.22	329.2	Lg	14:04:59.727	-0.3					T__						839894	FDSN	SK	--	BUD	iLoc	HHN	???	_
STZU	0.29	24.0	Lg	14:05:03.540	1.3					T__						839896	FDSN	UA	--	BUD	iLoc	MHZ	???	_
MUKU	0.34	150.9	Lg	14:05:02.523	-1.6					T__						839895	FDSN	UA	--	BUD	iLoc	MHZ	???	_
ABAH	0.92	240.9	Lg	14:05:22.404	-1.8					T__						839897	FDSN	HU	--	BUD	iLoc	HHE	???	_
JOS	1.29	259.4	Sn	14:05:33.642	-1.7					T__						839898	FDSN	Z6	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/01	18:35:06.35	2.42	0.62	48.1222	17.2778	37.4	4.5	129	12.7	22.5	8	4	218	0.14	0.97	ke	BUD	19000976	BUD			295

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
ZST	0.14	302.3	Pg	18:35:10.239	0.1					T__						839937	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.14	302.3	Lg	18:35:12.990	-0.1					T__						839934	FDSN	SK	--	BUD	iLoc	HHN	???	_
JAVC	0.78	19.4	Pg	18:35:22.558	0.3					T__		91.0				839935	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.78	19.4	Lg	18:35:33.357	-0.7					T__						839936	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1)																								
(Station ML: 1.9 magdef=1)																								
RONA	0.78	237.7	Pg	18:35:21.943	-0.1					T__						839938	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.78	237.7	Lg	18:35:32.349	-0.1					T__						839939	FDSN	OE	--	BUD	iLoc	HHN	???	_
CONA	0.97	259.0	Pn	18:35:25.695	0.6					T__		51.8				839940	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.97	259.0	Sn	18:35:39.688	0.8					T__						839941	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1)																								
(Station ML: 1.8 magdef=1)																								

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/02	07:50:21.37	1.93	1.58	47.9484	20.3742	18.6	4.5	145	0.0f		6	4	199	0.32	0.68	sx	BUD	19000980	BUD			247
2023/03/02	07:50:21.60	1.02	1.26	47.9590	20.3545f				0.0f		6	4	196	0.31	0.68	kx	BUD_GT	19000981	BUD_GT			243

(locality: Eger-III Hungary)

(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.31	262.7	Pg	07:50:29.647	0.9					T__		75.3		---	ML	1.0	840018	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.31	262.7	Lg	07:50:33.025	-1.1					T__				---		840023	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=0)																									
ET1H	0.33	256.4	Lg	07:50:33.228	-1.2					T__				---		840019	FDSN	HU	--	BUD	iLoc	HHN	???	_	
JOS	0.55	12.9	Pg	07:50:33.292	0.6					T__		83.3		---	ML	1.7	840021	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.55	12.9	Lg	07:50:40.670	-0.5					T__				---		840020	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=0)																									
ABAH	0.68	60.0	Lg	07:50:44.861	-1.9					T__				---		840022	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/02	09:03:49.33	0.92	0.64	47.8615	16.0562	6.0	3.4	35	0.0f		11	8	86	0.15	1.51	sx	BUD	19000982	BUD			162

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.15	297.1	Pg	09:03:52.238	-0.3					T__		175.0		---	ML	1.0	840047	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.15	297.1	Lg	09:03:54.440	-0.3					T__				---		840054	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
RONA	0.23	134.9	Pg	09:03:53.991	-0.2					T__				---		840049	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.23	134.9	Lg	09:03:57.776	0.2					T__				---		840048	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.71	210.8	Lg	09:04:12.959	0.9					T__				---		840056	FDSN	OE	--	BUD	iLoc	HHN	???	_	
MODS	0.97	57.5	Lg	09:04:24.333	0.5					T__				---		840050	FDSN	SK	--	BUD	iLoc	HHN	???	_	
EGYH	0.97	116.8	Lg	09:04:22.339	-0.6					T__				---		840055	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KRUC	1.22	10.5	Pg	09:04:12.786	0.0					T__		78.2		---	ML	2.1	840052	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.22	10.5	Sn	09:04:29.722	-0.6					T__				---		840051	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
TREC	1.48	345.5	Lg	09:04:38.617	1.0					T__				---		840053	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
CKRC	1.51	310.1	Lg	09:04:38.650	0.3					T__				---		840057	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/02	09:40:08.28	0.94	1.13	48.4928	17.2805	6.7	3.3	100	0.0f		8	4	145	0.12	0.82	sx	BUD	19000984	BUD			226

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.12	181.0	Pg	09:40:11.717	0.4					T__				---		840078	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.12	181.0	Lg	09:40:13.428	-0.5					T__				---		840079	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ZST	0.32	201.9	Pg	09:40:15.596	0.5					T__				---		840082	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
ZST	0.32	201.9	Lg	09:40:19.573	-0.9					T__				---		840080	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.45	35.1	Pg	09:40:17.750	-0.0					T__		139.3		---	ML	1.7	840083	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.45	35.1	Lg	09:40:25.491	0.3					T__				---		840081	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									

KRUC	0.82	314.5	Pg	09:40:25.172	1.2	T__	93.4	___	ML	1.9	840084	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	0.82	314.5	Lg	09:40:34.239	-1.8	T__		---			840085	FDSN	CZ	--	BUD	iLoc	HHN	???	_

(Reading ML: 1.9 magdef=1  
 (Station ML: 1.9 magdef=1)

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/02	09:48:10.85	1.50	0.75	48.5602	20.7846	13.4	4.0	1	0.0f		11	6	180	0.18	1.25	sx	BUD	19000986	BUD			220

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.1	5 BUD	19000986

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.18	248.5	Pg	09:48:14.588	0.0					T__		413.5		---	ML	1.4	840112	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.18	248.5	Lg	09:48:18.052	0.6					T__				---		840120	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1 (Station ML: 1.4 magdef=0)																									
ABAH	0.40	130.9	Pg	09:48:19.265	0.1					T__		129.3		---	ML	1.5	840113	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.40	130.9	Lg	09:48:26.322	0.2					T__				---		840114	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1 (Station ML: 1.5 magdef=1)																									
PSZ	0.88	223.1	Pn	09:48:28.631	-0.9					T__		77.5		---	ML	1.9	840116	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.88	223.1	Lg	09:48:41.846	-0.6					T__				---		840115	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1 (Station ML: 1.9 magdef=1)																									
ET1H	0.92	222.2	Pn	09:48:30.117	0.3					T__		81.5		---	ML	1.9	840117	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.92	222.2	Lg	09:48:43.161	-0.2					T__				---		840122	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1 (Station ML: 1.9 magdef=1)																									
KOLS	1.05	68.7	Lg	09:48:46.738	-0.5					T__				---		840121	FDSN	SK	--	BUD	iLoc	HHN	???	_	
TRPA	1.25	109.5	Pn	09:48:34.244	-0.2					T__		87.2		---	ML	2.1	840119	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	1.25	109.5	Sn	09:48:51.778	-1.6					T__				---		840118	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1 (Station ML: 2.1 magdef=0)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/03/02	10:07:11.42	1.07	1.24	48.2363	21.2340	5.4	4.2	120	0.0f		11	7	131	0.06	0.98	sx	BUD	19000990	BUD				183
2023/03/02	10:07:11.33	0.95	1.11	48.2470	21.2460f				0.0f		11	7	130	0.05	0.99	kx	BUD_GT	19000991	BUD_GT				183

(locality: Tállya Hungary)  
 (GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.2	4 BUD_GT	19000991

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.05	355.1	Pg	10:07:13.385	0.5					T__		32949.2		---	ML	3.0	840190	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.05	355.1	Lg	10:07:14.636	0.1					T__				---		840194	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 3.0 magdef=1 (Station ML: 3.0 magdef=1)																									
JOS	0.53	298.1	Pg	10:07:22.772	0.7					T__		120.6		---	ML	1.9	840191	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.53	298.1	Lg	10:07:30.374	0.1					T__				---		840195	FDSN	Z6	--	BUD	iLoc	HHN	???	_	



```

(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
TRPA 0.87 97.2 Pn 10:07:29.272 -0.4 T__ 162.3 ___ ML 2.2 840192 FDSN HU -- BUD iLoc HHZ HHZ _
TRPA 0.87 97.2 Lg 10:07:41.439 -1.4 T__ ___ 840196 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
HU23A 0.90 228.1 Lg 10:07:42.263 -1.6 T__ ___ 840197 FDSN Z6 00 BUD iLoc HHN ??? _
PSZ 0.96 250.6 Pg 10:07:31.667 0.0 T__ 114.3 ___ ML 2.1 840193 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.96 250.6 Lg 10:07:44.198 -1.9 T__ ___ 840198 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
KOLS 0.97 44.4 Lg 10:07:44.445 -1.2 T__ ___ 840199 FDSN SK -- BUD iLoc HHN ??? _
ET1H 0.99 248.7 Lg 10:07:45.256 -1.4 T__ ___ 840200 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/03/02 10:20:03.97 0.91 1.18 48.4137 17.2710 6.1 3.1 95 0.0f 12 8 143 0.04 1.38 sx BUD 19000992 BUD 176

```

```

Magnitude Err Nsta Author OrigID
ML 2.0 0.4 3 BUD 19000992

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
MODS 0.04 174.0 Pg 10:20:05.345 -0.1 T__ _c_ 840230 FDSN SK -- BUD iLoc HHZ ??? _
MODS 0.04 174.0 Lg 10:20:07.120 0.1 T__ ___ 840234 FDSN SK -- BUD iLoc HHN ??? _
ZST 0.25 207.4 Lg 10:20:12.744 -1.0 T__ ___ 840231 FDSN SK -- BUD iLoc HHN ??? _
JAVC 0.52 30.6 Pg 10:20:15.224 0.4 T__ 321.1 ___ ML 2.2 840232 FDSN CZ -- BUD iLoc HHZ HHZ _
JAVC 0.52 30.6 Lg 10:20:23.051 -0.2 T__ ___ 840238 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
KRUC 0.87 318.5 Pg 10:20:21.168 0.5 T__ 59.8 ___ ML 1.8 840233 FDSN CZ -- BUD iLoc HHZ HHZ _
KRUC 0.87 318.5 Lg 10:20:31.903 -1.6 T__ ___ 840239 FDSN CZ -- BUD iLoc HHE ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
RONA 0.97 222.8 Lg 10:20:35.833 -0.0 T__ ___ 840241 FDSN OE -- BUD iLoc HHN ??? _
VRAC 1.00 333.7 Lg 10:20:36.664 -1.0 T__ ___ 840240 FDSN CZ -- BUD iLoc HHN ??? _
CONA 1.06 243.3 Pn 10:20:26.858 1.1 T__ 82.4 ___ ML 2.0 840236 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 1.06 243.3 Lg 10:20:40.200 1.5 T__ ___ 840235 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
MORC 1.38 7.3 Sn 10:20:52.315 2.0 T__ ___ 840237 FDSN CZ -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/03/03 08:09:36.95 0.96 1.29 47.6850 18.5576 4.7 4.3 106 0.0f 11 8 125 0.21 1.47 sx BUD 19001002 BUD 134

```

```

Magnitude Err Nsta Author OrigID
ML 2.0 0.4 3 BUD 19001002

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
SR0 0.21 308.0 Pg 08:09:42.102 0.5 T__ 4460.9 ___ ML 2.5 840475 FDSN SK -- BUD iLoc EHZ EHZ _
SR0 0.21 308.0 Lg 08:09:45.994 0.3 T__ ___ 840479 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 2.5 magdef=1

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```

(Station ML: 2.5 magdef=1
CSKK 0.38 212.1 Pg 08:09:45.823 0.9 T__ 205.5 ___ ML 1.7 840474 FDSN HU -- BUD iLoc HHZ HHZ _
CSKK 0.38 212.1 Lg 08:09:49.885 -1.8 T__ ___ 840480 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
MPLH 0.86 233.7 Lg 08:10:06.472 -0.5 T__ ___ 840481 FDSN HU -- BUD iLoc HHN ??? _
EGYH 0.87 252.6 Lg 08:10:06.487 -0.9 T__ ___ 840482 FDSN HU -- BUD iLoc HHN ??? _
ET1H 0.91 77.2 Lg 08:10:08.798 -0.7 T__ ___ 840483 FDSN HU -- BUD iLoc HHN ??? _
PSZ 0.93 75.0 Lg 08:10:09.796 -1.0 T__ ___ 840484 FDSN GE -- BUD iLoc HHN ??? _
MODS 1.10 309.2 Lg 08:10:14.369 -1.7 T__ ___ 840476 FDSN SK -- BUD iLoc HHN ??? _
MORH 1.47 177.7 Pn 08:10:05.291 1.8 T__ 44.3 ___ ML 2.0 840478 FDSN HU -- BUD iLoc HHZ HHZ _
MORH 1.47 177.7 Sn 08:10:24.290 -0.2 T__ ___ 840477 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/03/03 08:51:48.50 1.62 0.67 48.0409 20.7079 11.2 5.0 133 0.0f 7 5 200 0.44 0.59 sx BUD 19001004 BUD 268
2023/03/03 08:51:48.77 1.01 0.63 48.0471 20.6805f 0.0f 7 5 196 0.45 0.57 kx BUD_GT 19001005 BUD_GT 264
(locality: Miskolc-Mexikóvölgy Hungary)
(GT info : GT2 explosion)

```

```

Magnitude Err Nsta Author OrigID
Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
ABAH 0.45 56.1 Lg 08:52:04.627 -1.2 T__ ___ 840508 FDSN HU -- BUD iLoc HHN ??? _
KECS 0.46 343.5 Lg 08:52:04.940 -0.2 T__ ___ 840509 FDSN SK -- BUD iLoc EHE ??? _
JOS 0.46 348.2 Pg 08:51:58.326 0.3 T__ 53.8 ___ ML 1.3 840506 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.46 348.2 Lg 08:52:04.976 -0.2 T__ ___ 840510 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=0
PSZ 0.54 256.6 Pg 08:52:01.101 0.5 T__ 57.4 ___ ML 1.6 840507 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.54 256.6 Lg 08:52:09.076 -0.1 T__ ___ 840511 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=0
ET1H 0.57 253.1 Lg 08:52:09.029 -0.6 T__ ___ 840512 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/03/03 09:24:15.05 1.33 0.56 48.5275 20.7775 12.3 3.6 6 0.0f 11 7 168 0.16 1.24 sx BUD 19001008 BUD 209

```

```

Magnitude Err Nsta Author OrigID
ML 1.5 0.4 4 BUD 19001008

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
JOS 0.16 258.8 Pg 09:24:18.517 0.0 T__ 182.5 ___ ML 1.0 840574 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.16 258.8 Lg 09:24:21.639 0.4 T__ ___ 840580 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=1
KECS 0.20 257.2 Pg 09:24:19.116 -0.1 T__ 643.0 ___ ML 1.7 840575 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.20 257.2 Lg 09:24:22.836 0.3 T__ ___ 840581 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.7 magdef=1

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(Station ML: 1.7 magdef=1
ABAH 0.39 126.8 Pg 09:24:23.307 0.3 T__ 86.5 --- ML 1.3 840576 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.39 126.8 Lg 09:24:29.251 -0.5 T__ --- 840577 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
PSZ 0.85 224.4 Lg 09:24:45.482 -0.3 T__ --- 840582 FDSN GE -- BUD iLoc HHN ??? _
ET1H 0.89 223.4 Pn 09:24:33.677 0.0 T__ --- ML 1.9 840583 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.89 223.4 Lg 09:24:46.315 -0.3 T__ --- 840578 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
KOLS 1.07 67.1 Lg 09:24:51.190 -0.8 T__ --- 840579 FDSN SK -- BUD iLoc HHN ??? _
TRPA 1.24 108.0 Sn 09:24:56.425 -1.0 T__ --- 840584 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/03/03 11:00:31.15 0.94 0.37 48.1632 16.9501 12.3 3.4 147 0.0f 8 4 153 0.11 0.77 sx BUD 19001010 BUD 182

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
ZST 0.11 72.1 Pg 11:00:34.126 0.2 T__ --- 840631 FDSN SK -- BUD iLoc HHZ ??? _
ZST 0.11 72.1 Lg 11:00:36.136 -0.2 T__ --- 840630 FDSN SK -- BUD iLoc HHN ??? _
MODS 0.30 46.0 Pg 11:00:37.975 0.2 T__ --- 840628 FDSN SK -- BUD iLoc HHZ ??? _
MODS 0.30 46.0 Lg 11:00:42.615 -0.5 T__ --- 840629 FDSN SK -- BUD iLoc HHN ??? _
RONA 0.64 223.7 Pg 11:00:43.973 0.0 T__ --- 840634 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.64 223.7 Lg 11:00:52.259 -0.2 T__ --- 840632 FDSN OE -- BUD iLoc HHN ??? _
CONA 0.77 252.6 Pg 11:00:46.239 -0.1 T__ 54.5 --- ML 1.7 840635 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.77 252.6 Lg 11:00:56.878 0.4 T__ --- 840633 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=0

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/03/03 11:37:20.08 0.93 1.21 46.1569 16.0424 7.0 3.8 115 0.0f 15 10 104 0.26 1.81 sx BUD 19001012 BUD 143

```

Magnitude Err Nsta Author OrigID  
ML 2.0 0.0 5 BUD 19001012

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
PTJ 0.26 191.7 Pg 11:37:26.044 0.4 T__ 170.2 --- ML 1.2 840664 FDSN CR -- BUD iLoc BHZ BHZ _
PTJ 0.26 191.7 Lg 11:37:29.187 -0.7 T__ --- 840670 FDSN CR -- BUD iLoc BHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=0
KOGS 0.33 26.2 Pg 11:37:26.407 -0.5 T__ 656.0 --- ML 2.0 840666 FDSN SL -- BUD iLoc BHZ BHZ _
KOGS 0.33 26.2 Lg 11:37:30.620 -1.0 T__ --- 840671 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
CRES 0.53 231.2 Pg 11:37:30.342 0.1 T__ 78.0 --- ML 1.7 840665 FDSN SL -- BUD iLoc BHZ BHZ _
CRES 0.53 231.2 Lg 11:37:37.740 -0.3 T__ --- 840672 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
BEHE 0.60 58.1 Lg 11:37:40.853 -0.2 T__ --- 840673 FDSN HU -- BUD iLoc HHN ??? _

```

A262A	0.78	25.2	Lg	11:37:46.891	0.4	T__									840674	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
OBKA	1.09	289.3	Pg	11:37:40.905	0.1	T__	95.4								2.1	840668	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
OBKA	1.09	289.3	Lg	11:37:55.060	-0.4	T__										840667	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.1 magdef=1)																								
(Station ML: 2.1 magdef=0)																								
ARSA	1.15	342.1	Pg	11:37:42.487	0.2	T__	77.5								2.0	840669	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
ARSA	1.15	342.1	Lg	11:37:57.484	0.7	T__										840675	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.0 magdef=1)																								
(Station ML: 2.0 magdef=1)																								
RONA	1.55	6.3	Lg	11:38:11.989	0.7	T__										840676	FDSN	OE	--	BUD	iLoc	HHN	???	_
CONA	1.78	356.1	Lg	11:38:18.824	0.8	T__										840677	FDSN	OE	--	BUD	iLoc	HHN	???	_
MORH	1.81	87.2	Lg	11:38:22.515	3.7	T__										840678	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/04	09:07:46.56	1.02	0.47	46.1468	18.2969	6.7	3.6	152	0.0f		6	3	172	0.15	0.38	sx	BUD	19001020	BUD			282

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.2	3 BUD	19001020

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOVH	0.15	246.9	Pg	09:07:50.249	0.0					T__		350.1			ML	1.3	840889	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.15	246.9	Lg	09:07:53.221	0.1					T__						840890	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
MORH	0.25	74.1	Pg	09:07:52.302	0.2					T__		134.0			ML	1.1	840892	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.25	74.1	Lg	09:07:56.258	-0.4					T__						840891	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
A266A	0.38	356.6	Pg	09:07:54.996	0.3					T__		234.6			ML	1.7	840893	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A266A	0.38	356.6	Lg	09:08:00.299	-0.7					T__						840894	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/06	07:48:07.46	1.37	1.26	48.3959	21.5244	10.1	7.2	166	0.0f		10	7	131	0.21	1.22	sx	BUD	19001042	BUD			199

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.1	3 BUD	19001042

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.21	242.4	Pg	07:48:12.610	0.4					T__		605.4			ML	1.7	841582	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.21	242.4	Lg	07:48:15.727	-0.6					T__						841583	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
JOS	0.66	279.0	Pg	07:48:21.730	1.0					T__		73.3			ML	1.7	841585	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.66	279.0	Lg	07:48:29.508	-1.2					T__						841584	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
KECS	0.70	277.6	Pg	07:48:21.923	0.5					T__		83.3			ML	1.8	841586	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.70	277.6	Lg	07:48:30.551	-1.4					T__						841587	FDSN	SK	--	BUD	iLoc	EHN	???	_	

```

(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
TRPA 0.73 111.0 Lg 07:48:33.378 -0.7 T__ --- 841589 FDSN HU -- BUD iLoc HHN ??? _
KOLS 0.73 42.4 Lg 07:48:32.181 -1.3 T__ --- 841588 FDSN SK -- BUD iLoc HHN ??? _
PSZ 1.19 247.0 Sn 07:48:47.200 -1.7 T__ --- 841590 FDSN GE -- BUD iLoc HHN ??? _
ET1H 1.22 245.6 Sn 07:48:48.102 -1.0 T__ --- 841591 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/03/06 08:01:07.64 0.91 1.13 47.4629 18.6929 22.9 3.0 164 0.0f 10 5 168 0.23 0.93 sx BUD 19001044 BUD 188

```

```

Magnitude Err Nsta Author OrigID
ML 1.8 0.0 5 BUD 19001044

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
BUD 0.23 84.6 Pg 08:01:13.321 0.5 T__ 164.7 --- ML 1.1 841634 FDSN HU -- BUD iLoc HHZ HHZ _
BUD 0.23 84.6 Lg 08:01:16.248 -0.9 T__ --- 841635 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=0
CSKK 0.31 251.4 Pg 08:01:14.955 0.6 T__ 154.8 --- ML 1.4 841637 FDSN HU -- BUD iLoc HHZ HHZ _
CSKK 0.31 251.4 Lg 08:01:18.750 -1.3 T__ --- 841636 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
MPLH 0.84 250.0 Pg 08:01:25.037 0.5 T__ 66.9 --- ML 1.8 841639 FDSN HU -- BUD iLoc HHZ HHZ _
MPLH 0.84 250.0 Lg 08:01:36.070 -0.9 T__ --- 841638 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
ET1H 0.90 62.0 Pn 08:01:27.379 1.0 T__ 62.3 --- ML 1.8 841640 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.90 62.0 Lg 08:01:39.421 -0.6 T__ --- 841642 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
PSZ 0.93 60.2 Pn 08:01:28.566 1.5 T__ 78.3 --- ML 1.9 841641 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.93 60.2 Lg 08:01:40.477 -1.0 T__ --- 841643 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=0

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/03/06 08:51:02.34 1.06 1.17 48.5001 19.2473 6.2 4.6 66 0.0f 13 9 143 0.73 1.76 sx BUD 19001046 BUD 173

```

```

Magnitude Err Nsta Author OrigID
ML 1.8 0.1 4 BUD 19001046

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
PSZ 0.73 143.1 Pg 08:51:18.367 0.6 T__ 71.9 --- ML 1.8 841682 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.73 143.1 Lg 08:51:28.631 -0.2 T__ --- 841681 FDSN GE -- BUD iLoc HHE ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
ET1H 0.75 145.9 Pg 08:51:18.282 0.2 T__ 48.3 --- ML 1.6 841684 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.75 145.9 Lg 08:51:30.085 0.9 T__ --- 841683 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1

```

KECS	0.82	90.7	Lg	08:51:29.486	-1.6	T__									841680	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	0.86	89.8	Pg	08:51:19.308	-0.1	T__					72.0				1.8	841678	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.86	89.8	Lg	08:51:30.555	-1.7	T__									841679	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																								
(Station ML: 1.8 magdef=1)																								
JAVC	1.10	289.6	Lg	08:51:39.693	-1.8	T__									841687	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
NIE	1.15	36.6	Pg	08:51:25.295	1.2	T__					46.6				1.8	841685	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	1.15	36.6	Lg	08:51:40.007	-0.7	T__									841686	FDSN	PL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.8 magdef=1)																								
(Station ML: 1.8 magdef=1)																								
ABAH	1.34	98.0	Sn	08:51:46.590	-0.3	T__									841688	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MORC	1.70	319.4	Sn	08:51:56.132	-0.8	T__									841689	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
OJC	1.76	11.6	Lg	08:52:00.212	1.1	T__									841690	FDSN	PL	--	BUD	iLoc	BHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/06	09:20:27.44	0.93	1.16	48.6312	21.4421	5.1	4.3	161	0.0f		17	10	94	0.36	1.92	sx	BUD	19001048	BUD			127

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.2	7 BUD	19001048

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.36	202.0	Pg	09:20:35.623	0.7					T__		110.9			ML	1.3	841732	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.36	202.0	Lg	09:20:40.114	-1.2					T__						841733	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=0)																									
JOS	0.61	257.6	Pg	09:20:39.643	-0.1					T__		84.6			ML	1.8	841729	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.61	257.6	Lg	09:20:48.923	-0.1					T__						841730	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
KOLS	0.63	60.9	Pg	09:20:39.846	0.3					T__						841735	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KECS	0.65	257.2	Pg	09:20:40.327	-0.2					T__		132.8			ML	2.0	841731	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.65	257.2	Lg	09:20:49.853	-0.4					T__						841736	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
TRPA	0.89	124.0	Pg	09:20:44.721	0.1					T__		127.8			ML	2.1	841738	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.89	124.0	Lg	09:20:56.096	-3.0					T__						841737	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=0)																									
NIE	1.09	316.8	Pg	09:20:48.025	0.0					T__		32.1			ML	1.6	841734	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	1.09	316.8	Lg	09:21:03.538	-0.7					T__						841739	FDSN	PL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
PSZ	1.26	236.0	Pn	09:20:52.076	0.7					T__		78.2			ML	2.1	841740	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.26	236.0	Sn	09:21:09.610	-0.9					T__						841741	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
ET1H	1.29	234.9	Pn	09:20:53.017	1.3					T__		64.7			ML	2.0	841743	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	1.29	234.9	Sn	09:21:09.952	-0.9					T__						841742	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
MEZ	1.38	94.1	Pn	09:20:53.274	-0.2					T__						841744	FDSN	UA	--	BUD	iLoc	BHZ	???	_	
OJC	1.92	326.6	Lg	09:21:31.079	1.7					T__						841745	FDSN	PL	--	BUD	iLoc	BHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/06	10:42:41.72	1.34	0.52	48.5471	20.7668	11.7	3.7	3	0.0f		12	7	93	0.16	1.07	sx	BUD	19001050	BUD			176

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.0	6 BUD	19001050

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.16	251.3	Pg	10:42:45.149	0.0					T__		327.0		___	ML	1.3	841784	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.16	251.3	Lg	10:42:48.592	0.8					T__				---		841785	FDSN	Z6	--	BUD	iLoc	HNN	???	_	
				(Reading ML: 1.3 magdef=1)																					
				(Station ML: 1.3 magdef=0)																					
KECS	0.20	251.2	Pg	10:42:45.641	-0.3					T__		813.9		___	ML	1.8	841787	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.20	251.2	Lg	10:42:49.319	0.2					T__				---		841786	FDSN	SK	--	BUD	iLoc	EHN	???	_	
				(Reading ML: 1.8 magdef=1)																					
				(Station ML: 1.8 magdef=1)																					
ABAH	0.40	128.4	Pg	10:42:50.142	0.1					T__		73.1		___	ML	1.3	841789	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.40	128.4	Lg	10:42:56.942	-0.1					T__				---		841788	FDSN	HU	--	BUD	iLoc	HNN	???	_	
				(Reading ML: 1.3 magdef=1)																					
				(Station ML: 1.3 magdef=1)																					
PSZ	0.86	223.2	Pg	10:42:59.967	0.1					T__		77.3		___	ML	1.9	841795	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.86	223.2	Lg	10:43:11.664	-1.1					T__				---		841794	FDSN	GE	--	BUD	iLoc	HNN	???	_	
				(Reading ML: 1.9 magdef=1)																					
				(Station ML: 1.9 magdef=0)																					
ET1H	0.90	222.2	Pn	10:43:00.662	0.2					T__		61.3		___	ML	1.8	841791	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.90	222.2	Lg	10:43:13.749	0.1					T__				---		841790	FDSN	HU	--	BUD	iLoc	HNN	???	_	
				(Reading ML: 1.8 magdef=1)																					
				(Station ML: 1.8 magdef=1)																					
NIE	0.92	340.7	Pn	10:43:01.176	0.0					T__		52.0		___	ML	1.7	841792	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
				(Reading ML: 1.7 magdef=1)																					
				(Station ML: 1.7 magdef=1)																					
KOLS	1.07	68.2	Lg	10:43:17.940	-0.7					T__				---		841793	FDSN	SK	--	BUD	iLoc	HNN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/06	12:03:04.06	1.51	0.98	47.8849	20.1178	14.5	4.3	158	0.0f		8	5	207	0.15	0.86	sx	BUD	19001052	BUD			243

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.2	3 BUD	19001052

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.15	282.7	Pg	12:03:08.178	0.2					T__		461.7		___	ML	1.4	841825	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.15	282.7	Lg	12:03:10.124	-1.1					T__				---		841826	FDSN	GE	--	BUD	iLoc	HNN	???	_	
				(Reading ML: 1.4 magdef=1)																					
				(Station ML: 1.4 magdef=1)																					
ET1H	0.17	268.1	Pg	12:03:08.349	0.3					T__		325.5		___	ML	1.3	841827	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.17	268.1	Lg	12:03:11.215	0.0					T__				---		841828	FDSN	HU	--	BUD	iLoc	HNN	???	_	
				(Reading ML: 1.3 magdef=1)																					
				(Station ML: 1.3 magdef=1)																					
KECS	0.65	22.2	Lg	12:03:27.175	0.2					T__				---		841829	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	0.67	24.6	Lg	12:03:28.054	0.2					T__				---		841830	FDSN	Z6	--	BUD	iLoc	HNN	???	_	

```

ABAH 0.86 60.9 Pg 12:03:21.468 0.3 T__ 106.6 ___ ML 2.0 841832 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.86 60.9 Lg 12:03:33.186 -1.8 T__ ___ 841831 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1

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```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/03/07 09:10:13.63 0.94 1.95 47.8831 16.0144 6.0 3.8 34 0.0f 10 7 85 0.11 1.48 sx BUD 19001066 BUD 159

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CONA 0.11 293.8 Pg 09:10:14.677 -1.4 T__ 271.9 ___ ML 1.0 842184 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.11 293.8 Lg 09:10:19.735 1.8 T__ ___ 842183 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=1
RONA 0.26 133.9 Pg 09:10:19.377 0.2 T__ ___ 842175 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.26 133.9 Lg 09:10:22.079 -0.9 T__ ___ 842178 FDSN OE -- BUD iLoc HHN ??? _
ARSA 0.72 207.9 Lg 09:10:37.558 1.1 T__ ___ 842179 FDSN OE -- BUD iLoc HHN ??? _
MODS 0.98 59.4 Lg 09:10:47.170 -1.3 T__ ___ 842180 FDSN SK -- BUD iLoc HHN ??? _
KRUC 1.21 12.0 Pg 09:10:38.628 1.9 T__ 75.2 ___ ML 2.0 842177 FDSN CZ -- BUD iLoc HHZ HHZ _
KRUC 1.21 12.0 Sn 09:10:54.623 0.3 T__ ___ 842176 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
TREC 1.46 346.3 Lg 09:11:03.927 2.9 T__ ___ 842181 FDSN CZ -- BUD iLoc HHN ??? _
VRAC 1.48 14.9 Sn 09:11:03.323 2.4 T__ ___ 842182 FDSN CZ -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/03/07 10:01:27.00 1.36 0.39 48.5556 17.5952 11.6 3.5 115 0.0f 7 5 213 0.28 1.00 sx BUD 19001068 BUD 263

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
MODS 0.28 229.4 Pg 10:01:33.377 0.2 T__ ___ 842203 FDSN SK -- BUD iLoc HHZ ??? _
MODS 0.28 229.4 Lg 10:01:37.907 -0.1 T__ ___ 842206 FDSN SK -- BUD iLoc HHN ??? _
JAVC 0.31 9.3 Pg 10:01:33.670 -0.1 T__ 218.2 ___ ML 1.5 842205 FDSN CZ -- BUD iLoc HHZ HHZ _
JAVC 0.31 9.3 Lg 10:01:39.367 0.3 T__ ___ 842204 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=0
ZST 0.49 222.6 Lg 10:01:44.188 -0.6 T__ ___ 842207 FDSN SK -- BUD iLoc HHN ??? _
KRUC 0.94 303.0 Lg 10:01:58.941 0.1 T__ ___ 842208 FDSN CZ -- BUD iLoc HHN ??? _
VRAC 1.00 319.1 Lg 10:02:00.402 -0.3 T__ ___ 842209 FDSN CZ -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/03/07 10:56:40.69 1.34 0.59 47.2328 18.2713 10.6 6.6 99 0.0f 4 3 168 0.13 1.05 sx BUD 19001070 BUD 266
2023/03/07 10:56:40.60 1.07 0.36 47.2302 18.2835f 0.0f 4 3 172 0.13 1.05 kx BUD_GT 19001071 BUD_GT 270
(locality: Iszkaszentgyörgy Hungary)
(GT info : GT2 explosion)

```

Magnitude Err Nsta Author OrigID



19001071

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.13	353.3	Pg	10:56:44.150	0.2					T__		191.3		---	ML	1.0	842224	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.13	353.3	Lg	10:56:46.561	-0.5					T__				---		842223	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=0)																									
MPLH	0.51	263.5	Lg	10:56:58.940	-0.3					T__				---		842225	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MORH	1.05	166.2	Lg	10:57:16.615	-0.0					T__				---		842226	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/07	13:05:12.39	1.26	1.00	48.9080	20.7277	9.4	6.2	76	0.0f		9	6	179	0.43	1.18	sx	BUD	19001074	BUD			301

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.2	3 BUD	19001074

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.43	196.9	Pg	13:05:21.582	0.5					T__		102.6		---	ML	1.5	842314	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.43	196.9	Lg	13:05:27.827	0.2					T__				---		842317	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
KECS	0.45	200.8	Pg	13:05:21.783	0.2					T__		117.8		---	ML	1.6	842313	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.45	200.8	Lg	13:05:27.881	-0.6					T__				---		842318	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
NIE	0.58	331.3	Lg	13:05:31.704	-0.1					T__				---		842316	FDSN	PL	--	BUD	iLoc	BHN	???	_	
ABAH	0.70	150.8	Pg	13:05:26.768	0.4					T__		79.0		---	ML	1.8	842315	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.70	150.8	Lg	13:05:37.029	-0.9					T__				---		842319	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
PSZ	1.14	209.6	Lg	13:05:50.710	-2.1					T__				---		842320	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	1.18	209.3	Sn	13:05:53.143	0.2					T__				---		842321	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/07	20:03:47.19	3.37	0.42	45.7355	17.8780	25.5	8.8	4	15.0f		6	3	298	0.19	0.72	ke	BUD	19001084	BUD			335

Magnitude	Err	Nsta	Author	OrigID
ML	1.0	0.1	3 BUD	19001084

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
A273A	0.19	346.6	Pg	20:03:51.984	0.1					T__		164.5		---	ML	1.0	842523	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A273A	0.19	346.6	Lg	20:03:54.723	-0.3					T__				---		842524	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
KOVH	0.39	23.6	Pg	20:03:55.333	-0.0					T__		41.9		_c	ML	1.0	842528	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.39	23.6	Lg	20:04:01.004	-0.0					T__				---		842525	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
MORH	0.72	47.8	Pg	20:04:01.168	-0.2					T__		39.2		---	ML	1.5	842527	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.72	47.8	Lg	20:04:12.443	0.6					T__				---		842526	FDSN	HU	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.5 magdef=1  
 (Station ML: 1.5 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/08	03:02:33.07	1.02	0.61	48.7912	21.7008	11.6	5.4	171	28.8	11.2	10	5	179	0.40	0.87	ke	BUD	19001086	BUD			249

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.1	4 BUD	19001086

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOLS	0.40	69.2	Pn	03:02:42.980	0.0					T__						842587	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.40	69.2	Lg	03:02:48.775	-0.4					T__						842588	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ABAH	0.58	211.9	Pg	03:02:45.516	0.1					T__		112.4			ML	1.9	842589	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.58	211.9	Sn	03:02:52.761	-1.0					T__						842590	FDSN	HU	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.9 magdef=1  
 (Station ML: 1.9 magdef=1

JOS	0.83	249.4	Pg	03:02:49.956	0.1					T__		69.4			ML	1.8	842591	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.83	249.4	Lg	03:03:01.829	0.3					T__						842592	FDSN	Z6	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.8 magdef=1  
 (Station ML: 1.8 magdef=1

KECS	0.86	249.5	Pg	03:02:50.848	0.2					T__		90.5			ML	1.9	842583	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.86	249.5	Lg	03:03:02.245	-0.6					T__						842586	FDSN	SK	--	BUD	iLoc	EHN	???	_	

(Reading ML: 1.9 magdef=1  
 (Station ML: 1.9 magdef=1

TRPA	0.87	139.5	Pg	03:02:50.484	0.3					T__		76.8			ML	1.9	842585	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.87	139.5	Lg	03:03:02.223	-0.8					T__						842584	FDSN	HU	--	BUD	iLoc	HHE	???	_	

(Reading ML: 1.9 magdef=1  
 (Station ML: 1.9 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/08	07:38:20.99	1.34	0.62	46.0608	22.8189	9.2	6.8	35	0.0f		7	5	138	0.19	0.95	sx	BUD	19001088	BUD			249

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.0	4 BUD	19001088

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DEV	0.19	161.6	Pg	07:38:24.825	0.3					T__		1015.2			_c_ ML	1.8	842641	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.19	161.6	Lg	07:38:26.258	-0.9					T__						842645	FDSN	RO	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.8 magdef=1  
 (Station ML: 1.8 magdef=1

GZR	0.67	182.6	Pg	07:38:34.255	0.4					T__		81.0			ML	1.8	842642	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
-----	------	-------	----	--------------	-----	--	--	--	--	-----	--	------	--	--	----	-----	--------	------	----	----	-----	------	-----	-----	---

(Reading ML: 1.8 magdef=1  
 (Station ML: 1.8 magdef=1

DRGR	0.73	354.2	Lg	07:38:47.176	-0.5					T__						842646	FDSN	RO	--	BUD	iLoc	HHN	???	_	
LOT	0.90	132.3	Pg	07:38:38.660	0.3					T__		68.8			ML	1.8	842643	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_

(Reading ML: 1.8 magdef=1  
 (Station ML: 1.8 magdef=1

BZS	0.95	242.6	Pg	07:38:39.429	-0.1					T__		43.5			ML	1.7	842644	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.95	242.6	Lg	07:38:53.050	0.1					T__						842647	FDSN	RO	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.7 magdef=1

(Station ML: 1.7 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/08	08:34:21.18	1.17	1.20	46.8484	17.3360	6.5	4.8	26	0.0f		10	9	97	0.10	1.11	sx	BUD	19001090	BUD			164

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
BADH	0.10	114.6	Lg	08:34:26.933	0.7					T__						842681	FDSN	HU	--	BUD	iLoc	HHN	???	_	
A261A	0.17	309.0	Lg	08:34:28.243	-0.0					T__						842673	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.35	23.3	Pg	08:34:29.184	0.4					T__		201.6			ML	1.6	842675	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.35	23.3	Lg	08:34:34.059	-0.6					T__						842674	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1																									
(Station ML: 1.6 magdef=0																									
TIH	0.39	82.1	Lg	08:34:35.999	0.4					T__						842682	FDSN	HU	--	BUD	iLoc	HHN	???	_	
CSKK	0.81	50.5	Lg	08:34:49.241	-2.0					T__						842677	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOGS	0.85	242.2	Lg	08:34:47.787	-1.3					T__						842676	FDSN	SL	--	BUD	iLoc	BHN	???	_	
KOVH	0.93	144.9	Lg	08:34:51.807	-0.8					T__						842678	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MORH	1.10	124.6	Sn	08:34:57.709	-1.4					T__						842679	FDSN	HU	--	BUD	iLoc	HHN	???	_	
RONA	1.11	320.6	Lg	08:34:58.906	1.0					T__						842680	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/08	08:52:42.69	2.96	0.67	46.0248	22.8485	21.2	7.3	21	0.0f		7	4	246	0.15	0.95	sx	BUD	19001092	BUD			306

Magnitude Err Nsta Author OrigID  
ML 1.7 0.1 3 BUD 19001092

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
DEV	0.15	164.9	Pg	08:52:45.716	0.2					T__		659.7			ML	1.5	842701	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.15	164.9	Lg	08:52:47.384	-0.2					T__						842703	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1																									
(Station ML: 1.5 magdef=1																									
GZR	0.63	184.6	Pg	08:52:55.124	0.3					T__		66.5			ML	1.7	842702	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	0.63	184.6	Lg	08:53:03.635	-0.2					T__						842704	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1																									
(Station ML: 1.7 magdef=1																									
LOT	0.87	131.5	Lg	08:53:10.776	-1.2					T__						842705	FDSN	RO	--	BUD	iLoc	HHN	???	_	
BZS	0.95	245.1	Pg	08:53:01.327	0.0					T__		54.0			ML	1.8	842707	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.95	245.1	Lg	08:53:14.360	-0.4					T__						842706	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1																									
(Station ML: 1.8 magdef=1																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/08	09:37:26.16	0.90	0.99	48.7818	18.9292	10.6	3.8	22	0.0f		12	7	146	0.84	1.35	sx	BUD	19001094	BUD			188

Magnitude Err Nsta Author OrigID  
ML 2.0 0.0 6 BUD 19001094

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
-----	------	------	-------	------	------	------	-------	------	------	-----	-----	-----	-----	------	-----------	-------	-----	--------	----	------	-----	-----	-----	---

JAVC	0.84	275.8	Pg	09:37:42.900	-0.3	T__	103.8	___	ML	2.0	842742	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.84	275.8	Lg	09:37:56.157	0.1	T__		---			842743	FDSN	CZ	--	BUD	iLoc	HNN	???	_
(Reading ML: 2.0 magdef=1)																			
(Station ML: 2.0 magdef=1)																			
KECS	1.07	105.6	Pg	09:37:48.079	0.6	T__	39.2	___	ML	1.7	842744	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	1.07	105.6	Lg	09:38:01.838	-0.9	T__		---			842740	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Reading ML: 1.7 magdef=1)																			
(Station ML: 1.7 magdef=0)																			
PSZ	1.08	142.9	Pn	09:37:49.362	1.5	T__	73.2	___	ML	2.0	842745	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.08	142.9	Lg	09:38:04.490	-0.1	T__		---			842741	FDSN	GE	--	BUD	iLoc	HNN	???	_
(Reading ML: 2.0 magdef=1)																			
(Station ML: 2.0 magdef=1)																			
ET1H	1.10	144.8	Pn	09:37:49.568	1.6	T__	55.1	___	ML	1.9	842746	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1)																			
(Station ML: 1.9 magdef=1)																			
JOS	1.11	104.4	Pg	09:37:47.982	0.0	T__	69.1	___	ML	2.0	842738	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	1.11	104.4	Lg	09:38:02.694	-1.0	T__		---			842739	FDSN	Z6	--	BUD	iLoc	HNN	???	_
(Reading ML: 2.0 magdef=1)																			
(Station ML: 2.0 magdef=1)																			
MODS	1.17	250.2	Sn	09:38:07.672	0.4	T__		---			842747	FDSN	SK	--	BUD	iLoc	HNN	???	_
MORC	1.35	318.2	Pg	09:37:51.799	0.6	T__	84.3	___	ML	2.2	842749	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
MORC	1.35	318.2	Lg	09:38:08.905	-1.0	T__		---			842748	FDSN	CZ	--	BUD	iLoc	HNN	???	_
(Reading ML: 2.2 magdef=1)																			
(Station ML: 2.2 magdef=0)																			

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/08	10:25:34.03	1.64	1.57	48.6360	20.7830	13.4	4.1	172	0.0f		14	8	200	0.21	1.28	sx	BUD	19001096	BUD			217

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.2	5 BUD	19001096

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
JOS	0.21	229.2	Pg	10:25:38.745	0.3					T__		395.8		___	ML	1.5	842816	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.21	229.2	Lg	10:25:42.401	0.4					T__				---		842822	FDSN	Z6	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=0)																									
KECS	0.25	232.4	Pg	10:25:39.280	0.1					T__		995.9		___	ML	2.0	842818	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.25	232.4	Lg	10:25:43.235	0.0					T__				---		842817	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=0)																									
ABAH	0.46	138.0	Pg	10:25:44.112	0.8					T__		94.1		___	ML	1.5	842819	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.46	138.0	Lg	10:25:49.992	-1.2					T__				---		842823	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
PSZ	0.93	219.9	Pn	10:25:53.414	-0.0					T__		82.3		___	ML	1.9	842820	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.93	219.9	Lg	10:26:06.457	-1.1					T__				---		842826	FDSN	GE	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
ET1H	0.97	219.2	Pn	10:25:54.141	0.3					T__		61.3		___	ML	1.8	842821	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.97	219.2	Lg	10:26:07.526	-1.0					T__				---		842827	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									

UZH	1.00	89.7	Lg	10:26:05.569	-3.3	T__	---	842824	FDSN	UA	--	BUD	iLoc	BHN	???	_
KOLS	1.03	72.6	Pn	10:25:56.303	1.4	T__	---	842825	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	1.03	72.6	Lg	10:26:09.218	-0.4	T__	---	842829	FDSN	SK	--	BUD	iLoc	HHN	???	_
TRPA	1.28	112.7	Sn	10:26:14.144	-3.1	T__	---	842828	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/08	12:16:17.30	1.00	0.12	48.4230	20.4189	12.6	4.3	131	0.0f	8	5	181	0.07	0.66	sx	BUD	19001098	BUD			192	

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.1	3 BUD	19001098

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
KECS	0.07	36.4	Pg	12:16:19.158	0.1					T__		829.9		---	ML	1.4	842858	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.07	36.4	Lg	12:16:20.762	0.2					T__				---		842861	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
JOS	0.11	47.7	Pg	12:16:19.586	-0.1					T__		561.6		---	ML	1.4	842857	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.11	47.7	Lg	12:16:21.682	-0.0					T__				---		842862	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
ABAH	0.56	102.8	Lg	12:16:38.204	0.0					T__				---		842863	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	0.62	215.0	Pg	12:16:30.491	-0.0					T__		77.5		---	ML	1.7	842859	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.62	215.0	Lg	12:16:39.942	-0.1					T__				---		842864	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
ET1H	0.66	214.2	Lg	12:16:41.140	0.1					T__				---		842860	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/08	12:39:03.73	1.41	0.74	46.0724	16.3811	12.7	5.6	134	11.0f	7	6	151	0.33	1.58	ke	BUD	19001100	BUD			160	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
PTJ	0.33	240.3	Lg	12:39:15.310	-0.8					T__				---		842889	FDSN	CR	--	BUD	iLoc	BHN	???	_	
KOGS	0.39	346.5	Lg	12:39:16.977	0.0					T__				---		842887	FDSN	SL	--	BUD	iLoc	BHN	???	_	
BEHE	0.48	34.4	Lg	12:39:19.800	-0.6					T__				---		842886	FDSN	HU	--	BUD	iLoc	HHN	???	_	
CRES	0.69	249.4	Pg	12:39:17.148	0.2					T__		63.9		---	ML	1.7	842888	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.69	249.4	Lg	12:39:27.968	0.6					T__				---		842890	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=0)																									
KOVH	1.20	88.6	Sn	12:39:41.867	0.5					T__				---		842885	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MORH	1.58	84.0	Lg	12:39:54.807	0.7					T__				---		842891	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/09	08:54:23.29	1.27	1.42	48.7638	20.7980	6.7	6.4	9	0.0f	9	6	174	0.32	1.08	sx	BUD	19001104	BUD			291	

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.3	3 BUD	19001104

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.32	212.7	Pg	08:54:30.449	0.7					T__		197.0		---	ML	1.5	842988	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.32	212.7	Lg	08:54:34.597	-0.1					T__				---		842991	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
KECS	0.35	216.5	Pg	08:54:30.946	0.6					T__		736.8		---	ML	2.1	842989	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.35	216.5	Lg	08:54:35.693	-0.1					T__				---		842992	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
ABAH	0.55	147.7	Pg	08:54:35.121	0.7					T__		80.4		---	ML	1.7	842995	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.55	147.7	Lg	08:54:42.049	-1.7					T__				---		842996	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
NIE	0.73	333.6	Lg	08:54:46.721	-0.9					T__				---		842993	FDSN	PL	--	BUD	iLoc	BHN	???	_	
PSZ	1.04	215.8	Lg	08:54:58.228	-2.2					T__				---		842994	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	1.08	215.3	Sn	08:54:59.903	-1.6					T__				---		842990	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/09	09:03:36.84	3.66	1.02	48.4737	21.4561	22.4	9.2	67	0.0f		7	4	306	0.23	0.71	sx	BUD	19001106	BUD			328

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.0	3 BUD	19001106

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.23	219.1	Pg	09:03:41.867	0.0					T__		236.5		---	ML	1.3	843032	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.23	219.1	Lg	09:03:46.515	0.4					T__				---		843036	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
JOS	0.61	272.4	Pg	09:03:48.838	-0.2					T__		47.2		---	ML	1.5	843033	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.61	272.4	Lg	09:03:59.187	0.9					T__				---		843034	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
KECS	0.65	271.2	Lg	09:04:00.163	0.6					T__				---		843035	FDSN	SK	--	BUD	iLoc	EHN	???	_	
HU02A	0.71	240.8	Pg	09:03:51.458	-0.2					T__		40.1		---	ML	1.5	843038	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.71	240.8	Lg	09:04:01.196	-1.7					T__				---		843037	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/09	10:46:47.75	1.22	1.04	47.2056	18.1646	9.7	6.8	129	0.0f		5	4	117	0.17	1.37	sx	BUD	19001108	BUD			221

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.17	22.5	Pg	10:46:52.291	0.5					T__		201.3		---	ML	1.1	843101	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.17	22.5	Lg	10:46:54.408	-1.1					T__				---		843102	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=0)																									
MPLH	0.43	265.5	Lg	10:47:03.257	-0.4					T__				---		843103	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MORH	1.04	161.4	Lg	10:47:23.230	-0.6					T__				---		843104	FDSN	HU	--	BUD	iLoc	HHN	???	_	

PSZ 1.37 58.0 Sn 10:47:32.972 -0.5 T\_\_ --- 843100 FDSN GE -- BUD iLoc HHN ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/09	11:20:52.41	0.99	1.22	48.2302	21.2174	6.4	4.6	174	0.0f	17	9	132		0.07	1.33	sx	BUD	19001110	BUD			183
2023/03/09	11:20:52.05	0.88	1.07	48.2470	21.2460f				0.0f	17	9	130		0.05	1.33	kx	BUD_GT	19001111	BUD_GT			183

(locality: Tálya Hungary)  
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.1	7 BUD_GT	19001111

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.05	355.1	Pg	11:20:53.916	0.3					T__		20156.5		---	ML	2.7	843139	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.05	355.1	Lg	11:20:54.718	-0.5					T__				---		843141	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.7 magdef=1 Station ML: 2.7 magdef=0)																									
JOS	0.53	298.1	Pg	11:21:03.410	0.6					T__		93.1		---	ML	1.8	843138	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.53	298.1	Lg	11:21:10.306	-0.6					T__				---		843142	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=0)																									
KECS	0.56	295.3	Pg	11:21:04.137	0.8					T__		136.3		---	ML	1.9	843137	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.56	295.3	Lg	11:21:12.049	0.2					T__				---		843153	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=1)																									
TRPA	0.87	97.2	Pn	11:21:10.160	-0.2					T__		99.2		---	ML	2.0	843144	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.87	97.2	Lg	11:21:21.877	-1.6					T__				---		843143	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1 Station ML: 2.0 magdef=1)																									
HU23A	0.90	228.1	Pg	11:21:11.419	0.2					T__		298.4		---	ML	2.5	843145	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.90	228.1	Lg	11:21:22.453	-2.1					T__				---		843146	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.5 magdef=1 Station ML: 2.5 magdef=1)																									
PSZ	0.96	250.6	Pn	11:21:12.410	0.5					T__		68.6		---	ML	1.9	843148	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.96	250.6	Lg	11:21:24.384	-2.4					T__				---		843147	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=1)																									
KOLS	0.97	44.4	Pn	11:21:12.663	0.7					T__				---		843151	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.97	44.4	Sn	11:21:27.883	-0.5					T__				---		843140	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ET1H	0.99	248.7	Pn	11:21:12.573	0.5					T__		60.8		---	ML	1.8	843150	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.99	248.7	Lg	11:21:26.942	-0.4					T__				---		843152	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=1)																									
NIE	1.33	332.3	Sn	11:21:38.338	1.4					T__				---		843149	FDSN	PL	--	BUD	iLoc	BHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/09	12:50:27.71	1.59	0.38	47.9053	16.0972	15.2	4.2	32	0.0f	6	4	137		0.16	1.17	sx	BUD	19001112	BUD			228

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
-----	------	------	-------	------	------	------	-------	------	------	-----	-----	-----	-----	------	-----------	-------	-----	--------	----	------	-----	-----	-----	---

CONA	0.16	278.3	Pg	12:50:31.069	-0.1	T__	200.5	___	ML	1.0	843182	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.16	278.3	Lg	12:50:33.763	0.2	T__		---			843181	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.0 magdef=1)																			
(Station ML: 1.0 magdef=0)																			
RONA	0.25	146.8	Pg	12:50:32.865	-0.0	T__		---			843183	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.25	146.8	Lg	12:50:36.543	0.1	T__		---			843184	FDSN	OE	--	BUD	iLoc	HHN	???	_
ARSA	0.76	210.9	Lg	12:50:52.002	-0.0	T__		---			843185	FDSN	OE	--	BUD	iLoc	HHN	???	_
KRUC	1.17	9.6	Sn	12:51:06.970	-0.6	T__		---			843186	FDSN	CZ	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/10	08:57:12.18	1.90	1.12	48.4263	19.5604	13.0	5.3	108	0.0f		11	7	117	0.56	1.52	sx	BUD	19001128	BUD			226

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.2	4 BUD	19001128

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
PSZ	0.56	156.1	Pg	08:57:24.590	0.4					T__		73.7		---	ML	1.7	843548	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.56	156.1	Lg	08:57:32.159	-0.7					T__				---		843549	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
ET1H	0.59	159.1	Lg	08:57:32.955	-0.5					T__				---		843550	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KECS	0.62	84.4	Pg	08:57:25.317	0.7					T__	156.2			---	ML	2.0	843545	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.62	84.4	Lg	08:57:33.314	-0.6					T__				---		843551	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
JOS	0.66	83.5	Pg	08:57:25.808	0.6					T__		78.1		---	ML	1.8	843546	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.66	83.5	Lg	08:57:34.661	-0.5					T__				---		843552	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
NIE	1.11	25.9	Lg	08:57:48.301	-0.9					T__				---		843553	FDSN	PL	--	BUD	iLoc	BHN	???	_	
ABAH	1.13	96.0	Pn	08:57:34.811	0.7					T__	75.9			---	ML	2.0	843547	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	1.13	96.0	Sn	08:57:49.992	-1.4					T__				---		843554	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
MODS	1.52	268.9	Sn	08:57:59.878	-2.0					T__				---		843555	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/03/10	10:12:45.90	1.36	0.87	46.6276	22.6460	16.8	5.7	94	0.0f		5	3	199	0.17	1.24	sx	BUD	19001130	BUD					293

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
DRGR	0.17	15.2	Pg	10:12:49.992	0.3					T__		390.1		---	ML	1.4	843577	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	0.17	15.2	Lg	10:12:52.030	-0.9					T__				---		843579	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
CJR	0.66	82.2	Lg	10:13:09.259	-0.0					T__				---		843580	FDSN	RO	--	BUD	iLoc	HHN	???	_	
GZR	1.24	175.7	Pg	10:13:09.579	0.2					T__	53.7			---	ML	1.9	843578	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	1.24	175.7	Lg	10:13:25.866	-0.8					T__				---		843581	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									



(Station ML: 1.9 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/10	10:23:43.89	2.17	0.99	47.2892	16.3983	15.6	5.5	137	0.0f		9	5	251	0.41	1.77	sx	BUD	19001132	BUD			315

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.1	3 BUD	19001132

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
SOP	0.41	15.3	Pg	10:23:52.836	0.5					T__		119.7			ML	1.5	843608	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.41	15.3	Lg	10:23:57.498	-0.7					T__						843607	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
RONA	0.42	350.5	Pg	10:23:52.109	-0.4					T__						843606	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.42	350.5	Lg	10:23:57.583	-0.8					T__						843605	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.60	266.6	Pg	10:23:56.001	0.5					T__		97.6			ML	1.8	843609	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
ARSA	0.60	266.6	Lg	10:24:01.774	-1.2					T__						843610	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
CONA	0.74	330.6	Pg	10:23:59.807	1.3					T__		67.7			ML	1.7	843604	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.74	330.6	Lg	10:24:09.041	0.8					T__						843612	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
KRUC	1.77	359.9	Sn	10:24:38.146	-0.3					T__						843611	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/10	10:30:03.40	0.98	0.51	47.5835	16.3728	5.4	3.9	26	0.0f		11	8	97	0.13	1.48	sx	BUD	19001134	BUD			172

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.13	336.0	Pg	10:30:06.222	-0.1					T__						843660	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.13	336.0	Lg	10:30:08.488	0.0					T__						843659	FDSN	OE	--	BUD	iLoc	HHN	???	_	
SOP	0.16	51.4	Pg	10:30:07.270	0.3					T__		254.1			ML	1.2	843657	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.16	51.4	Lg	10:30:10.071	0.4					T__						843658	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
A260A	0.38	142.9	Lg	10:30:16.496	-0.3					T__						843662	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CONA	0.49	315.2	Pg	10:30:13.813	0.6					T__		84.4			ML	1.6	843661	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.49	315.2	Lg	10:30:19.586	-0.2					T__						843663	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
ARSA	0.67	240.3	Lg	10:30:24.368	-0.3					T__						843664	FDSN	OE	--	BUD	iLoc	HHN	???	_	
MPLH	0.89	117.1	Lg	10:30:34.177	-0.4					T__						843665	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MODS	1.00	37.2	Lg	10:30:38.007	-1.0					T__						843666	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KRUC	1.48	0.6	Sn	10:30:50.845	0.1					T__						843667	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/13	07:06:22.11	1.31	1.03	48.5324	17.5456	13.1	3.5	120	0.0f		7	5	207	0.24	1.28	sx	BUD	19001162	BUD			276

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.24	228.4	Pg	07:06:27.881	0.4					T__						845730	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.24	228.4	Lg	07:06:30.929	-0.9					T__						845736	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.34	14.2	Pg	07:06:29.926	0.5					T__		122.9			ML	1.3	845731	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.34	14.2	Lg	07:06:34.056	-1.1					T__						845734	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=0)																									
ZST	0.45	221.5	Lg	07:06:37.562	-1.0					T__						845733	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KRUC	0.93	305.3	Lg	07:06:53.046	-0.5					T__						845735	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
CONA	1.28	242.4	Lg	07:07:04.418	0.7					T__						845732	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/13	07:18:02.37	1.29	0.46	47.3075	18.3410	12.1	4.5	64	0.0f		9	8	104	0.08	1.23	sx	BUD	19001164	BUD			163

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.08	315.5	Pg	07:18:04.765	0.2					T__		1756.3			ML	1.8	845755	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.08	315.5	Lg	07:18:06.482	-0.4					T__						845757	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=0)																									
A267A	0.37	165.0	Lg	07:18:16.223	-0.5					T__						845758	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.56	256.2	Lg	07:18:22.630	-0.1					T__						845759	FDSN	HU	--	BUD	iLoc	HHN	???	_	
A266A	0.78	183.9	Lg	07:18:29.651	-0.0					T__						845760	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MORH	1.11	169.1	Lg	07:18:40.844	0.2					T__						845761	FDSN	HU	--	BUD	iLoc	HHN	???	_	
ET1H	1.18	60.5	Sn	07:18:43.678	0.6					T__						845762	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	1.22	59.3	Sn	07:18:44.662	0.3					T__						845756	FDSN	GE	--	BUD	iLoc	HHN	???	_	
KOVH	1.23	187.8	Sn	07:18:44.363	0.5					T__						845763	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/13	10:21:01.97	0.92	0.97	46.4315	17.9879	4.8	3.8	106	10.0f		11	6	96	0.21	0.80	ke	BUD	19001168	BUD			182

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ML	1.5	0.1	5	BUD												19001168									
A266A	0.21	63.7	Pg	10:21:06.628	-0.2					T__		401.1			ML	1.5	845919	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A266A	0.21	63.7	Lg	10:21:11.028	0.6					T__						845918	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
KOVH	0.35	167.2	Pg	10:21:08.557	-0.8					T__		131.6			ML	1.4	845921	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.35	167.2	Lg	10:21:13.670	-0.9					T__						845922	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=0)																									
MORH	0.50	115.3	Pg	10:21:13.096	1.0					T__		54.5			ML	1.4	845920	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.50	115.3	Lg	10:21:18.292	-1.4					T__						845923	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									

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(Station ML: 1.4 magdef=1
A273A 0.53 193.1 Pg 10:21:13.557 0.9 T__ 398.6 --- ML 2.4 845924 FDSN Z6 00 BUD iLoc HHZ HHZ _
A273A 0.53 193.1 Lg 10:21:20.864 1.2 T__ --- 845926 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=0
A264A 0.56 240.9 Lg 10:21:20.096 -0.6 T__ --- 845925 FDSN Z6 00 BUD iLoc HHN ??? _
MPLH 0.80 337.5 Pg 10:21:17.419 -0.3 T__ 96.9 --- ML 1.9 845927 FDSN HU -- BUD iLoc HHZ HHZ _
MPLH 0.80 337.5 Lg 10:21:29.219 0.1 T__ --- 845928 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/13	10:57:41.52	2.81	0.96	48.8235	21.2476	17.4	8.9	73	0.0f		7	6	226	0.53	1.32	sx	BUD	19001170	BUD			304

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.53	180.6	Lg	10:58:00.493	-0.6					T__					845958	FDSN	HU	--	BUD	iLoc	HHN	???	_		
JOS	0.57	235.3	Pg	10:57:53.262	0.3					T__		87.1			ML	1.8	845957	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.57	235.3	Lg	10:58:01.442	-0.1					T__					845956	FDSN	Z6	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=0)																									
KECS	0.61	236.3	Lg	10:58:02.391	-0.5					T__					845955	FDSN	SK	--	BUD	iLoc	EHN	???	_		
NIE	0.86	314.1	Lg	10:58:09.549	-0.5					T__					845961	FDSN	PL	--	BUD	iLoc	BHN	???	_		
PSZ	1.28	225.4	Sn	10:58:23.864	-1.3					T__					845959	FDSN	GE	--	BUD	iLoc	HHN	???	_		
ET1H	1.32	224.7	Sn	10:58:26.640	1.1					T__					845960	FDSN	HU	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/03/13	11:30:52.42	1.32	1.90	48.6627	21.3291	7.8	5.7	41	0.0f		8	5	123	0.37	1.02	sx	BUD	19001172	BUD				230

Magnitude Err Nsta Author OrigID  
ML 1.6 0.1 3 BUD 19001172

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.37	189.2	Pg	11:31:01.159	1.1					T__		117.4			ML	1.4	845988	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.37	189.2	Lg	11:31:05.322	-1.3					T__					845987	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
JOS	0.55	252.6	Pg	11:31:04.272	0.9					T__		69.3			ML	1.6	845981	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.55	252.6	Lg	11:31:10.447	-1.3					T__					845983	FDSN	Z6	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
KECS	0.59	252.5	Pg	11:31:03.800	-0.4					T__		76.8			ML	1.7	845985	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.59	252.5	Lg	11:31:11.762	-1.3					T__					845984	FDSN	SK	--	BUD	iLoc	EHN	???	_		
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
KOLS	0.68	66.2	Lg	11:31:13.734	-2.9					T__					845982	FDSN	SK	--	BUD	iLoc	HHN	???	_		
NIE	1.02	318.5	Lg	11:31:27.598	1.6					T__					845986	FDSN	PL	--	BUD	iLoc	BHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/13	13:07:19.17	1.16	0.29	47.8661	16.0516	12.3	3.9	36	0.0f	6	4	124	0.14	1.22	sx	BUD	19001174	BUD				199

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.14	296.0	Pg	13:07:22.203	-0.0					T__		171.7		---	ML	0.9	846009	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.14	296.0	Lg	13:07:24.503	0.0					T__				---		846008	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=0)																									
RONA	0.23	135.2	Pg	13:07:23.956	-0.2					T__				---		846010	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.23	135.2	Lg	13:07:27.973	0.4					T__				---		846011	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.71	210.4	Lg	13:07:41.979	0.0					T__				---		846012	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.22	10.7	Sn	13:07:59.839	-0.3					T__				---		846013	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/03/13	16:20:52.12	0.90	0.78	46.4546	17.1132	4.5	4.0	57	6.5	13.6	13	9	88	0.23	1.31	ke	BUD	19001176	BUD				122

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.1	5 BUD	19001176

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
A263A	0.23	36.7	Lg	16:21:01.315	0.6					T__				---		846125	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
BEHE	0.23	274.0	Pg	16:20:56.782	-0.4					T__		424.9		---	ML	1.6	846126	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BEHE	0.23	274.0	Lg	16:21:00.449	-0.3					T__				---		846127	FDSN	HU	--	BUD	iLoc	HHE	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=0)																									
A264A	0.32	157.4	Pg	16:20:58.376	-0.4					T__		298.4		_c_	ML	1.7	846128	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A264A	0.32	157.4	Lg	16:21:04.082	0.7					T__				---		846129	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
A261A	0.50	2.8	Pg	16:21:01.662	-0.5					T__		202.8		---	ML	2.0	846130	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A261A	0.50	2.8	Lg	16:21:09.969	0.7					T__				---		846123	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
KOGS	0.60	269.7	Lg	16:21:13.183	1.5					T__				---		846131	FDSN	SL	--	BUD	iLoc	BHN	???	_	
KOVH	0.78	117.8	Pg	16:21:07.144	-0.5					T__		62.8		---	ML	1.7	846132	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
PTJ	0.97	235.9	Lg	16:21:25.157	0.5					T__				---		846133	FDSN	CR	--	BUD	iLoc	BHN	???	_	
MORH	1.09	102.2	Sn	16:21:28.557	0.8					T__				---		846134	FDSN	HU	--	BUD	iLoc	HHN	???	_	
CRES	1.31	242.0	Pn	16:21:16.469	0.2					T__		98.9		---	ML	2.2	846124	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	1.31	242.0	Sn	16:21:33.713	0.0					T__				---		846135	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=0)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/03/14	07:13:43.62	1.90	0.25	47.9751	20.3464	16.3	4.9	143	0.0f	6	5	192	0.31	0.68	sx	BUD	19001188	BUD					239
2023/03/14	07:13:43.36	1.11	0.27	47.9590	20.3545f				0.0f	6	5	196	0.31	0.68	kx	BUD_GT	19001189	BUD_GT					243
(locality: Eger-III Hungary)																							

(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.31	262.7	Lg	07:13:55.738	-0.2					T__						846447	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	0.33	256.4	Lg	07:13:56.615	0.4					T__						846448	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KECS	0.53	9.4	Lg	07:14:01.972	-0.4					T__						846445	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	0.55	12.9	Pg	07:13:54.558	0.1					T__		76.1		---	ML	1.7	846444	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.55	12.9	Lg	07:14:02.738	-0.2					T__						846443	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.7 magdef=1)																					
				(Station ML: 1.7 magdef=0)																					
ABAH	0.68	60.0	Lg	07:14:08.508	-0.0					T__						846446	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/14	09:23:05.64	1.02	0.85	48.4680	20.7528	9.3	3.3	14	0.0f		12	7	122	0.14	1.24	sx	BUD	19001190	BUD			183

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.1	6 BUD	19001190

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.14	281.2	Pg	09:23:08.727	-0.0					T__		463.2		---	ML	1.4	846476	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.14	281.2	Lg	09:23:11.475	0.2					T__						846480	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.4 magdef=1)																					
				(Station ML: 1.4 magdef=1)																					
KECS	0.18	275.0	Pg	09:23:09.275	-0.2					T__		1046.3		---	ML	1.8	846475	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.18	275.0	Lg	09:23:12.735	0.3					T__						846481	FDSN	SK	--	BUD	iLoc	EHN	???	_	
				(Reading ML: 1.8 magdef=1)																					
				(Station ML: 1.8 magdef=1)																					
ABAH	0.37	117.7	Pg	09:23:13.493	0.2					T__		76.6		---	ML	1.2	846477	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.37	117.7	Lg	09:23:18.186	-1.6					T__						846482	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.2 magdef=1)																					
				(Station ML: 1.2 magdef=0)																					
PSZ	0.80	226.6	Lg	09:23:34.282	-0.3					T__						846483	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	0.83	225.4	Pg	09:23:23.390	0.3					T__		86.8		---	ML	1.9	846478	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.83	225.4	Lg	09:23:35.605	0.2					T__						846484	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.9 magdef=1)																					
				(Station ML: 1.9 magdef=1)																					
NIE	1.00	342.7	Pn	09:23:25.471	-0.6					T__		67.5		---	ML	1.9	846479	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
				(Reading ML: 1.9 magdef=1)																					
				(Station ML: 1.9 magdef=1)																					
TRPA	1.24	105.1	Pg	09:23:30.507	1.0					T__		122.7		---	ML	2.3	846486	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	1.24	105.1	Sn	09:23:46.356	-1.6					T__						846485	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.3 magdef=1)																					
				(Station ML: 2.3 magdef=0)																					

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/14	12:16:12.45	2.43	0.49	48.2830	19.9411	25.7	3.9	123	0.0f		9	5	234	0.37	0.87	sx	BUD	19001196	BUD			235

Magnitude	Err	Nsta	Author	OrigID

ML 1.8 0.1 4 BUD 19001196

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.37	184.9	Pg	12:16:20.329	-0.3					T__		232.2		---	ML	1.7	846600	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.37	184.9	Lg	12:16:26.903	0.2					T__				---		846599	FDSN	GE	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
ET1H	0.41	186.6	Lg	12:16:28.029	0.3					T__				---		846605	FDSN	HU	--	BUD	iLoc	HNN	???	_	
KECS	0.41	60.9	Pg	12:16:20.998	0.1					T__		236.5		---	ML	1.8	846598	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.41	60.9	Lg	12:16:27.242	-0.1					T__				---		846601	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
JOS	0.45	61.7	Pg	12:16:21.363	-0.2					T__		156.2		---	ML	1.8	846597	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.45	61.7	Lg	12:16:28.703	0.1					T__				---		846602	FDSN	Z6	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
ABAH	0.87	88.7	Pn	12:16:31.702	1.1					T__		89.9		---	ML	1.9	846604	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.87	88.7	Lg	12:16:43.241	-0.1					T__				---		846603	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/14	12:43:45.31	1.12	0.77	47.8950	16.0733	9.4	4.1	35	0.0f		7	4	132	0.15	1.19	sx	BUD	19001198	BUD			219

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.15	283.2	Pg	12:43:48.461	-0.0					T__		217.5		---	ML	1.0	846630	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.15	283.2	Lg	12:43:50.086	-0.6					T__				---		846633	FDSN	OE	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
RONA	0.25	142.3	Pg	12:43:50.506	0.0					T__				---		846631	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.25	142.3	Lg	12:43:53.537	-0.6					T__				---		846632	FDSN	OE	--	BUD	iLoc	HNN	???	_	
ARSA	0.74	210.2	Lg	12:44:10.044	0.9					T__				---		846629	FDSN	OE	--	BUD	iLoc	HNN	???	_	
KRUC	1.19	10.3	Pg	12:44:08.935	0.8					T__		75.9		---	ML	2.0	846635	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.19	10.3	Sn	12:44:25.514	0.0					T__				---		846634	FDSN	CZ	--	BUD	iLoc	HHE	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/14	14:01:10.64	0.99	1.11	47.2172	16.4162	5.5	4.6	83	0.0f		10	7	95	0.21	0.80	sx	BUD	19001202	BUD			180

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A260A	0.21	71.3	Lg	14:01:19.413	0.7					T__				---		846738	FDSN	Z6	00	BUD	iLoc	HNN	???	_
SOP	0.48	11.6	Lg	14:01:27.447	0.3					T__				---		846739	FDSN	HU	--	BUD	iLoc	HNN	???	_
RONA	0.49	350.5	Pg	14:01:20.596	-0.1					T__				---		846735	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.49	350.5	Lg	14:01:27.228	-0.2					T__				---		846740	FDSN	OE	--	BUD	iLoc	HNN	???	_
ARSA	0.61	273.5	Lg	14:01:29.105	-1.0					T__				---		846736	FDSN	OE	--	BUD	iLoc	HNN	???	_

MPLH	0.77	93.1	Lg	14:01:35.408	-2.3	T__									846742	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOGS	0.78	188.5	Pg	14:01:26.841	0.8	T__	133.7								2.1	846737	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.78	188.5	Lg	14:01:35.992	-0.2	T__										846741	FDSN	SL	--	BUD	iLoc	BHN	???	_
(Reading ML: 2.1 magdef=1)																								
(Station ML: 2.1 magdef=1)																								
CONA	0.80	332.4	Pg	14:01:27.425	0.8	T__	87.3								1.9	846733	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.80	332.4	Lg	14:01:36.847	-0.3	T__										846734	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1)																								
(Station ML: 1.9 magdef=1)																								

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/14	18:11:42.34	1.45	1.20	45.5107	16.0315	9.9	7.5	18	10.0f		13	8	175	0.32	1.44	ke	BUD	19001204	BUD			255

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.2	6 BUD	19001204

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ZAG	0.32	354.4	Pg	18:11:48.688	-0.2					T__		871.3		_c_	ML	2.1	846819	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
PTJ	0.40	353.6	Pg	18:11:49.617	-1.1					T__		132.3			ML	1.5	846820	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.40	353.6	Lg	18:11:56.523	-0.3					T__						846813	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=0)																									
CRES	0.51	308.2	Pg	18:11:52.460	0.0					T__		124.6			ML	1.8	846821	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.51	308.2	Lg	18:11:59.413	-0.6					T__						846822	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
KOGS	0.95	9.2	Pg	18:12:00.845	0.5					T__		130.6			ML	2.1	846815	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.95	9.2	Lg	18:12:14.795	1.7					T__						846814	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
BEHE	1.09	28.1	Sn	18:12:19.105	0.8					T__						846816	FDSN	HU	--	BUD	iLoc	HHN	???	_	
A264A	1.09	53.1	Pn	18:12:03.146	0.1					T__		217.7			ML	2.4	846817	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A264A	1.09	53.1	Lg	18:12:18.029	0.2					T__						846823	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=0)																									
BLY	1.12	132.6	Lg	18:12:17.753	-0.4					T__						846818	FDSN	MN	--	BUD	iLoc	HHN	???	_	
OBKA	1.44	314.6	Pn	18:12:11.246	2.6					T__		134.0			ML	2.4	846825	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
OBKA	1.44	314.6	Lg	18:12:30.279	1.5					T__						846824	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/14	19:09:46.58	2.07	1.04	45.5563	16.3000	15.3	6.5	178	10.0f		10	6	246	0.35	1.55	ke	BUD	19001208	BUD			297

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.3	4 BUD	19001208

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
-----	------	------	-------	------	------	------	-------	------	------	-----	-----	-----	-----	------	-----------	-------	-----	--------	----	------	-----	-----	-----	---

ZAG	0.35	321.1	Lg	19:09:59.845	1.1	T__										846965	FDSN	CR	--	BUD	iLoc	BHN	???	_			
PTJ	0.42	326.6	Pg	19:09:54.010	-1.3	T__					122.4					---	ML	1.6	846960	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.42	326.6	Lg	19:10:01.168	-0.5	T__										---		846959	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.6 magdef=1)																											
(Station ML: 1.6 magdef=1)																											
CRES	0.65	294.8	Pg	19:09:59.306	0.2	T__					121.4					_d	ML	1.9	846966	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.65	294.8	Lg	19:10:09.823	1.0	T__										---		846961	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.9 magdef=1)																											
(Station ML: 1.9 magdef=1)																											
KOGS	0.89	357.8	Pg	19:10:04.108	0.5	T__					112.6					---	ML	2.0	846968	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.89	357.8	Lg	19:10:17.164	1.6	T__										---		846962	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.0 magdef=1)																											
(Station ML: 2.0 magdef=1)																											
A264A	0.92	48.5	Pg	19:10:03.751	-0.4	T__					232.4					---	ML	2.4	846967	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A264A	0.92	48.5	Lg	19:10:16.973	0.4	T__										---		846963	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.4 magdef=1)																											
(Station ML: 2.4 magdef=1)																											
OBKA	1.55	308.6	Lg	19:10:36.538	-0.0	T__										---		846964	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/15	07:35:33.68	1.48	0.78	48.5174	17.5982	14.1	3.3	119	0.0f		10	7	218	0.26	1.30	sx	BUD	19001214	BUD			227

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
MODS	0.26	236.2	Pg	07:35:39.835	0.4					T__						847181	FDSN	SK	--	BUD	iLoc	HHZ	???	_		
MODS	0.26	236.2	Lg	07:35:43.780	-0.2					T__						847182	FDSN	SK	--	BUD	iLoc	HHN	???	_		
JAVC	0.35	8.0	Pg	07:35:40.931	-0.2					T__		151.9			---	ML	1.4	847184	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.35	8.0	Lg	07:35:47.178	0.2					T__						---		847183	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.4 magdef=1)																										
(Station ML: 1.4 magdef=1)																										
ZST	0.46	226.0	Lg	07:35:49.036	-1.6					T__						847186	FDSN	SK	--	BUD	iLoc	HHN	???	_		
KRUC	0.96	304.9	Lg	07:36:05.918	-0.4					T__						847187	FDSN	CZ	--	BUD	iLoc	HHN	???	_		
RONA	1.20	227.3	Lg	07:36:13.390	0.5					T__						847188	FDSN	OE	--	BUD	iLoc	HHN	???	_		
MORC	1.26	358.4	Lg	07:36:15.597	0.9					T__						847190	FDSN	CZ	--	BUD	iLoc	HHN	???	_		
CONA	1.30	243.7	Pn	07:35:59.049	0.2					T__		105.2			---	ML	2.2	847189	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	1.30	243.7	Lg	07:36:15.698	-0.4					T__						---		847185	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.2 magdef=1)																										
(Station ML: 2.2 magdef=1)																										

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/15	10:05:06.26	2.87	1.39	46.0915	22.8658	18.9	11.4	17	0.0f		8	5	141	0.21	2.05	sx	BUD	19001216	BUD			253

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.1	3 BUD	19001216

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
DEV	0.21	172.8	Pg	10:05:10.547	0.3					T__		519.9			_c	ML	1.6	847259	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.21	172.8	Lg	10:05:12.643	-0.6					T__						---		847260	FDSN	RO	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1)																										



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(Station ML: 1.6 magdef=1
GZR 0.70 185.1 Pg 10:05:20.191 0.5 T__ 100.1 --- ML 1.9 847261 FDSN RO -- BUD iLoc HHZ HHZ _
GZR 0.70 185.1 Lg 10:05:29.397 -0.2 T__ --- 847262 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
LOT 0.90 135.2 Pn 10:05:24.794 -1.2 T__ 69.3 --- ML 1.8 847264 FDSN RO -- BUD iLoc HHZ HHZ _
LOT 0.90 135.2 Lg 10:05:36.410 -0.4 T__ --- 847263 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
BZS 0.99 241.9 Lg 10:05:39.095 -0.5 T__ --- 847265 FDSN RO -- BUD iLoc HHN ??? _
TRPA 2.05 353.9 Sn 10:06:05.726 -2.7 T__ --- 847266 FDSN HU -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/03/16 07:48:27.44 1.13 0.53 47.7262 19.4383 25.8 5.0 142 0.0f 10 6 167 0.33 1.64 sx BUD 19001230 BUD 252

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Magnitude Err Nsta Author OrigID
ML 1.8 0.3 4 BUD 19001230

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
ET1H 0.33 62.2 Pg 07:48:34.960 0.2 T__ 176.5 --- ML 1.5 847627 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.33 62.2 Lg 07:48:40.794 0.6 T__ --- 847629 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
PSZ 0.36 57.8 Pg 07:48:35.471 -0.1 T__ 193.7 --- ML 1.6 847626 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.36 57.8 Lg 07:48:40.688 -1.1 T__ --- 847631 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
BUD 0.37 229.3 Lg 07:48:41.801 -0.1 T__ --- 847632 FDSN HU -- BUD iLoc HHE ??? _
KECS 1.03 42.4 Pg 07:48:48.552 0.5 T__ 86.2 --- ML 2.0 847630 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 1.03 42.4 Lg 07:49:04.102 0.0 T__ --- 847633 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
JOS 1.07 43.4 Pn 07:48:48.316 -0.2 T__ 65.9 --- ML 1.9 847634 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 1.07 43.4 Sn 07:49:04.939 -0.2 T__ --- 847628 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
JAVC 1.64 314.5 Sn 07:49:20.514 0.0 T__ --- 847635 FDSN CZ -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/03/16 08:35:33.73 3.23 0.89 45.9019 18.4029 22.9 6.7 170 0.0f 5 3 283 0.28 0.63 sx BUD 19001232 BUD 323

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
KOVH 0.28 311.5 Pg 08:35:40.028 0.0 T__ 99.0 --- ML 1.1 847675 FDSN HU -- BUD iLoc HHZ HHZ _
KOVH 0.28 311.5 Lg 08:35:44.505 -0.2 T__ --- 847677 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=1
MORH 0.36 28.1 Pg 08:35:41.635 0.3 T__ 63.5 --- ML 1.1 847676 FDSN HU -- BUD iLoc HHZ HHZ _
MORH 0.36 28.1 Lg 08:35:46.344 -1.0 T__ --- 847678 FDSN HU -- BUD iLoc HHN ??? _

```

(Reading ML: 1.1 magdef=1  
 (Station ML: 1.1 magdef=1  
 A266A 0.63 351.3 Lg 08:35:57.186 0.7 T\_\_ --- 847679 FDSN Z6 00 BUD iLoc HHN ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/16	09:40:43.68	1.19	1.01	48.6039	20.7837	7.3	4.3	2	0.0f	9	6	156	0.20	0.95	sx	BUD	19001234	BUD				256

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.2	3 BUD	19001234

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
JOS	0.20	236.4	Pg	09:40:47.906	0.1					T__		252.3		---	ML	1.2	847747	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.20	236.4	Lg	09:40:51.611	0.6					T__				---		847751	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1 (Station ML: 1.2 magdef=1																									
KECS	0.23	238.7	Pg	09:40:48.523	0.0					T__		597.6		---	ML	1.7	847748	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.23	238.7	Lg	09:40:52.484	0.2					T__				---		847752	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=1																									
ABAH	0.43	135.3	Pg	09:40:53.250	0.7					T__		72.0		---	ML	1.4	847749	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.43	135.3	Lg	09:40:58.062	-1.9					T__				---		847753	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1 (Station ML: 1.4 magdef=1																									
NIE	0.88	338.8	Lg	09:41:12.093	-0.6					T__				---		847750	FDSN	PL	--	BUD	iLoc	BHN	???	_	
PSZ	0.91	221.2	Lg	09:41:15.817	-0.6					T__				---		847754	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	0.95	220.4	Lg	09:41:16.415	-0.9					T__				---		847755	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/16	09:50:59.55	0.92	1.29	48.4167	18.5659	8.1	4.3	23	0.0f	19	12	74	0.74	1.87	sx	BUD	19001236	BUD				124

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.1	7 BUD	19001236

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
JAVC	0.74	307.0	Pg	09:51:14.861	0.1					T__		108.5		---	ML	1.9	847795	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.74	307.0	Lg	09:51:25.507	-0.9					T__				---		847794	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1 (Station ML: 1.9 magdef=1																									
MODS	0.86	267.6	Pg	09:51:18.555	1.5					T__				---		847797	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.86	267.6	Lg	09:51:28.935	-1.3					T__				---		847798	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ZST	1.00	257.8	Lg	09:51:32.799	-1.8					T__				---		847799	FDSN	SK	--	BUD	iLoc	HHN	???	_	
PSZ	1.02	118.8	Pn	09:51:20.859	0.5					T__		72.0		---	ML	1.9	847801	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.02	118.8	Lg	09:51:34.826	-1.3					T__				---		847800	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1 (Station ML: 1.9 magdef=1																									
ET1H	1.03	121.1	Pn	09:51:20.802	0.5					T__		47.9		---	ML	1.8	847802	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	1.03	121.1	Lg	09:51:34.770	-1.2					T__				---		847803	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1 (Station ML: 1.8 magdef=0																									
CSKK	1.07	191.1	Sn	09:51:36.170	-1.8					T__				---		847804	FDSN	HU	--	BUD	iLoc	HHN	???	_	

KECS	1.28	86.3	Pn	09:51:25.675	1.9	T__	81.1	___	ML	2.1	847806	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	1.28	86.3	Sn	09:51:43.389	0.4	T__		---			847805	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Reading ML: 2.1 magdef=1)																			
(Station ML: 2.1 magdef=1)																			
JOS	1.32	85.8	Pn	09:51:25.468	1.2	T__	60.9	___	ML	2.0	847807	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	1.32	85.8	Sn	09:51:44.290	0.5	T__		---			847808	FDSN	Z6	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.0 magdef=1)																			
(Station ML: 2.0 magdef=1)																			
MORC	1.52	334.1	Pn	09:51:27.913	0.5	T__	86.3	___	ML	2.3	847810	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
MORC	1.52	334.1	Lg	09:51:48.182	-0.7	T__		---			847809	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.3 magdef=1)																			
(Station ML: 2.3 magdef=0)																			
NIE	1.52	48.1	Pn	09:51:29.203	1.7	T__	43.2	___	ML	2.0	847811	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 2.0 magdef=1)																			
(Station ML: 2.0 magdef=1)																			
RONA	1.68	245.6	Sn	09:51:53.782	1.0	T__		---			847796	FDSN	OE	--	BUD	iLoc	HHN	???	_
CONA	1.87	255.9	Sn	09:51:58.851	1.2	T__		---			847812	FDSN	OE	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/16	10:42:52.67	1.30	1.19	47.2482	18.2892	9.4	5.1	111	0.0f		9	7	107	0.12	1.32	sx	BUD	19001238	BUD			142
2023/03/16	10:42:52.60	0.99	0.96	47.2302	18.2835f				0.0f		9	7	107	0.13	1.33	kx	BUD_GT	19001239	BUD_GT			143
(locality: Iszkaszentgyörgy Hungary)																						
(GT info : GT2 explosion)																						

Magnitude	Err	Nsta	Author	OrigID	Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L			
					CSKK	0.13	353.3	Pg	10:42:56.236	0.3					T__		301.9		___	ML	1.2	847847	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
					CSKK	0.13	353.3	Lg	10:42:57.279	-1.8					T__				---		847848	FDSN	HU	--	BUD	iLoc	HHN	???	_			
(Reading ML: 1.2 magdef=1)																																
(Station ML: 1.2 magdef=0)																																
					MPLH	0.51	263.5	Pg	10:43:04.194	1.0					T__		96.9		___	ML	1.7	847844	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
					MPLH	0.51	263.5	Lg	10:43:10.347	-0.9					T__				---		847849	FDSN	HU	--	BUD	iLoc	HHN	???	_			
(Reading ML: 1.7 magdef=1)																																
(Station ML: 1.7 magdef=0)																																
					MORH	1.05	166.2	Lg	10:43:28.059	-0.6					T__				---		847850	FDSN	HU	--	BUD	iLoc	HHN	???	_			
					KOVH	1.15	186.4	Lg	10:43:33.156	0.6					T__				---		847846	FDSN	HU	--	BUD	iLoc	HHN	???	_			
					ET1H	1.26	58.3	Sn	10:43:35.608	0.6					T__				---		847851	FDSN	HU	--	BUD	iLoc	HHN	???	_			
					PSZ	1.29	57.1	Sn	10:43:36.621	0.3					T__				---		847845	FDSN	GE	--	BUD	iLoc	HHN	???	_			
					MODS	1.33	329.7	Sn	10:43:38.467	1.1					T__				---		847852	FDSN	SK	--	BUD	iLoc	HHN	???	_			

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/16	12:41:01.88	1.06	0.58	47.8463	16.0431	8.9	3.9	39	0.0f		7	4	119	0.15	1.24	sx	BUD	19001242	BUD			199

Magnitude	Err	Nsta	Author	OrigID	Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L			
					CONA	0.15	304.0	Pg	12:41:05.131	0.1					T__		151.9		___	ML	0.9	847896	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_		
					CONA	0.15	304.0	Lg	12:41:07.217	-0.1					T__				---		847899	FDSN	OE	--	BUD	iLoc	HHN	???	_			
(Reading ML: 0.9 magdef=1)																																

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(Station ML: 0.9 magdef=1
RONA 0.23 130.6 Pg 12:41:06.706 0.0 T__ --- 847897 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.23 130.6 Lg 12:41:09.985 -0.0 T__ --- 847900 FDSN OE -- BUD iLoc HHN ??? _
ARSA 0.69 210.8 Pg 12:41:15.752 0.5 T__ 88.3 --- ML 1.8 847901 FDSN OE -- BUD iLoc HHZ HHZ _
ARSA 0.69 210.8 Lg 12:41:23.506 -0.5 T__ --- 847898 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
KRUC 1.24 10.8 Sn 12:41:42.377 -0.9 T__ --- 847902 FDSN CZ -- BUD iLoc HHN ??? _

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/17	08:02:12.24	0.96	1.20	48.9705	19.3377	6.1	5.3	20	0.0f	14	8	109	0.77	1.43	sx	BUD	19001248	BUD				172

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.1	5 BUD	19001248

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
NIE	0.77	54.3	Pg	08:02:27.257	0.4					T__		33.1		---	ML	1.5	848005	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.77	54.3	Lg	08:02:36.796	-1.1					T__				---		848006	FDSN	PL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.5 magdef=1 (Station ML: 1.5 magdef=0)																									
KECS	0.90	122.3	Lg	08:02:43.392	-0.1					T__				---		848002	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	0.93	120.4	Pg	08:02:30.447	-0.1					T__	62.4			---	ML	1.8	848004	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.93	120.4	Lg	08:02:43.392	-0.9					T__				---		848003	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1 (Station ML: 1.8 magdef=1)																									
JAVC	1.11	264.8	Pn	08:02:36.370	1.7					T__	108.4			---	ML	2.1	848007	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	1.11	264.8	Lg	08:02:49.741	-1.5					T__				---		848008	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1 (Station ML: 2.1 magdef=0)																									
PSZ	1.12	160.4	Pn	08:02:34.869	0.4					T__		74.1		---	ML	2.0	848010	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.12	160.4	Pg	08:02:36.115	0.6					T__				---		848009	FDSN	GE	--	BUD	iLoc	HHZ	???	_	
PSZ	1.12	160.4	Lg	08:02:51.781	-0.2					T__				---		848000	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1 (Station ML: 2.0 magdef=1)																									
ET1H	1.15	161.8	Pn	08:02:36.834	2.1					T__	41.7			---	ML	1.8	848001	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	1.15	161.8	Lg	08:02:51.951	-0.7					T__				---		848011	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1 (Station ML: 1.8 magdef=1)																									
MORC	1.42	305.2	Lg	08:02:58.684	0.3					T__				---		848012	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
ABAH	1.43	117.4	Sn	08:03:00.869	1.7					T__				---		848013	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/17	09:14:02.48	1.24	1.12	48.4866	20.7578	12.6	3.6	14	0.0f	10	6	192	0.15	1.24	sx	BUD	19001250	BUD				206

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.2	4 BUD	19001250

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
JOS	0.15	273.7	Pg	09:14:05.770	0.1					T__		363.3		---	ML	1.3	848068	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.15	273.7	Lg	09:14:08.197	0.1					T__				---		848072	FDSN	Z6	--	BUD	iLoc	HHN	???	_	

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(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
KECS 0.18 269.0 Pg 09:14:06.238 -0.1 T__ 1211.5 ___ ML 1.9 848069 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.18 269.0 Lg 09:14:09.432 0.1 T__ ___ 848073 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
ABAH 0.37 120.5 Pg 09:14:10.773 0.5 T__ 115.4 ___ ML 1.4 848070 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.37 120.5 Lg 09:14:15.244 -1.6 T__ ___ 848074 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
PSZ 0.81 225.8 Lg 09:14:31.462 -0.4 T__ ___ 848075 FDSN GE -- BUD iLoc HHN ??? _
ET1H 0.85 224.6 Pn 09:14:20.557 0.0 T__ 39.6 ___ ML 1.6 848071 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.85 224.6 Lg 09:14:33.247 0.5 T__ ___ 848076 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
TRPA 1.24 106.0 Sn 09:14:42.453 -2.4 T__ ___ 848077 FDSN HU -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/03/17 09:30:58.98 0.98 1.31 48.4537 21.7209 7.3 4.0 165 0.0f 11 7 123 0.36 1.33 sx BUD 19001252 BUD 172

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Magnitude Err Nsta Author OrigID
ML 1.6 0.2 3 BUD 19001252

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
ABAH 0.36 244.0 Pg 09:31:07.004 0.6 T__ 147.8 ___ ML 1.5 848107 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.36 244.0 Lg 09:31:11.731 -1.0 T__ ___ 848114 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
KOLS 0.60 37.1 Pg 09:31:11.348 0.7 T__ ___ 848108 FDSN SK -- BUD iLoc HHZ ??? _
KOLS 0.60 37.1 Lg 09:31:18.970 -1.6 T__ ___ 848109 FDSN SK -- BUD iLoc HHN ??? _
TRPA 0.64 120.3 Pg 09:31:11.907 0.4 T__ 56.7 ___ ML 1.6 848110 FDSN HU -- BUD iLoc HHZ HHZ _
TRPA 0.64 120.3 Lg 09:31:21.871 -0.4 T__ ___ 848115 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
JOS 0.79 273.5 Pg 09:31:15.436 0.8 T__ 64.2 ___ ML 1.7 848106 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.79 273.5 Lg 09:31:25.102 -1.4 T__ ___ 848116 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
KECS 0.82 272.5 Lg 09:31:26.082 -1.6 T__ ___ 848111 FDSN SK -- BUD iLoc EHN ??? _
MEZ 1.19 86.4 Lg 09:31:38.461 -2.0 T__ ___ 848112 FDSN UA -- BUD iLoc BHN ??? _
PSZ 1.33 247.0 Sn 09:31:43.910 0.0 T__ ___ 848113 FDSN GE -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/03/17 10:20:15.60 0.98 1.34 48.4611 18.7033 10.4 4.5 29 0.0f 13 8 129 0.79 1.97 sx BUD 19001254 BUD 147

```

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Magnitude Err Nsta Author OrigID
ML 1.9 0.2 4 BUD 19001254

```

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
JAVC 0.79 300.6 Pg 10:20:32.107 0.3 T__ 128.0 ___ ML 2.0 848147 FDSN CZ -- BUD iLoc HHZ HHZ _

```

```

JAVC  0.79 300.6 Lg      10:20:42.455  -1.7      T__          ---          848152      FDSN CZ      -- BUD  iLoc  HHN ??? _
(Reading ML:  2.0 magdef=1
(Station ML:  2.0 magdef=1
MODS  0.95 265.3 Pg      10:20:36.217   1.3      T__          ---          848146      FDSN SK      -- BUD  iLoc  HHZ ??? _
MODS  0.95 265.3 Lg      10:20:48.012  -1.5      T__          ---          848153      FDSN SK      -- BUD  iLoc  HHN ??? _
PSZ   0.96 123.8 Pn      10:20:35.528  -0.1      T__          75.1         --- ML      1.9 848151      FDSN GE      -- BUD  iLoc  HHZ HHZ _
PSZ   0.96 123.8 Lg      10:20:48.984  -1.3      T__          ---          848150      FDSN GE      -- BUD  iLoc  HHN ??? _
(Reading ML:  1.9 magdef=1
(Station ML:  1.9 magdef=1
ET1H  0.97 126.2 Pn      10:20:34.944  -0.6      T__          38.1         --- ML      1.6 848154      FDSN HU      -- BUD  iLoc  HHZ HHZ _
ET1H  0.97 126.2 Lg      10:20:49.593  -0.6      T__          ---          848155      FDSN HU      -- BUD  iLoc  HHN ??? _
(Reading ML:  1.6 magdef=1
(Station ML:  1.6 magdef=1
KECS  1.19 88.3 Sn        10:20:57.595   0.9      T__          ---          848156      FDSN SK      -- BUD  iLoc  EHN ??? _
JOS   1.22 87.7 Pn      10:20:40.784   1.8      T__          43.2         --- ML      1.8 848157      FDSN Z6      -- BUD  iLoc  HHZ HHZ _
JOS   1.22 87.7 Sn        10:20:59.436   1.9      T__          ---          848158      FDSN Z6      -- BUD  iLoc  HHN ??? _
(Reading ML:  1.8 magdef=1
(Station ML:  1.8 magdef=1
MORC  1.52 330.4 Lg      10:21:05.229   0.2      T__          ---          848148      FDSN CZ      -- BUD  iLoc  HHN ??? _
CONA  1.97 255.4 Sn      10:21:17.161   1.0      T__          ---          848149      FDSN OE      -- BUD  iLoc  HHN ??? _

```

```

Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author  OrigID  Rep  DPdep  Err Sgp
2023/03/19 02:55:03.64  1.01  1.35 48.6804  21.7721  10.0  4.0 144  10.0f  11  6 170  0.42  1.47  ke BUD  19001278  BUD  274

```

```

Magnitude  Err Nsta Author  OrigID
ML  1.4 0.1  4 BUD  19001278

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Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh  ACh  L
KOLS  0.42  52.4 Pg      02:55:12.306  0.5      T__          ---          848809      FDSN SK      -- BUD  iLoc  HHZ ??? _
KOLS  0.42  52.4 Lg      02:55:16.994 -1.8      T__          ---          848813      FDSN SK      -- BUD  iLoc  HHN ??? _
ABAH  0.52  222.8 Pg      02:55:14.704  0.6      T__          41.6         --- ML      1.4 848814      FDSN HU      -- BUD  iLoc  HHZ HHZ _
ABAH  0.52  222.8 Lg      02:55:21.938 -0.3      T__          ---          848810      FDSN HU      -- BUD  iLoc  HHN ??? _
(Reading ML:  1.4 magdef=1
(Station ML:  1.4 magdef=1
JOS   0.84  257.7 Pg      02:55:19.192 -0.7      T__          22.6         --- ML      1.3 848815      FDSN Z6      -- BUD  iLoc  HHZ HHZ _
JOS   0.84  257.7 Lg      02:55:30.409 -1.4      T__          ---          848816      FDSN Z6      -- BUD  iLoc  HHN ??? _
(Reading ML:  1.3 magdef=1
(Station ML:  1.3 magdef=1
KECS  0.88  257.5 Lg      02:55:31.960 -1.1      T__          ---          848817      FDSN SK      -- BUD  iLoc  EHN ??? _
NIE   1.22  307.9 Pg      02:55:27.692  1.3      T__          16.5         --- ML      1.4 848818      FDSN PL      -- BUD  iLoc  BHZ BHZ _
NIE   1.22  307.9 Sn      02:55:45.168  1.6      T__          ---          848812      FDSN PL      -- BUD  iLoc  BHN ??? _
(Reading ML:  1.4 magdef=1
(Station ML:  1.4 magdef=1
PSZ   1.47  239.4 Pg      02:55:33.726  1.0      T__          32.6         --- ML      1.8 848819      FDSN GE      -- BUD  iLoc  HHZ HHZ _
PSZ   1.47  239.4 Sn      02:55:50.721  1.5      T__          ---          848811      FDSN GE      -- BUD  iLoc  HHN ??? _
(Reading ML:  1.8 magdef=1
(Station ML:  1.8 magdef=1

```

```

Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author  OrigID  Rep  DPdep  Err Sgp
2023/03/19 05:31:04.94  1.24  0.37 47.7394  16.0572  6.2  3.8  26  8.9  15.5  10  5 112  0.17  1.34  ke BUD  19001280  BUD  221

```

Magnitude Err Nsta Author OrigID  
 ML 1.2 0.7 4 BUD 19001280

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.17	103.7	Pg	05:31:08.937	0.1					T__						848900	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.17	103.7	Lg	05:31:11.612	0.0					T__						848896	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.23	325.2	Pg	05:31:10.115	0.1					T__		33.3		---	ML	0.5	848894	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.23	325.2	Lg	05:31:13.128	-0.4					T__				---		848895	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.5 magdef=1)																									
(Station ML: 0.5 magdef=1)																									
SOP	0.34	99.2	Pg	05:31:11.840	-0.2					T__		39.1		---	ML	0.8	848901	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.34	99.2	Lg	05:31:16.924	0.0					T__				---		848899	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=1)																									
ARSA	0.61	216.7	Pg	05:31:16.802	-0.0					T__		49.1		---	ML	1.5	848902	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
ARSA	0.61	216.7	Lg	05:31:24.576	-0.0					T__				---		848897	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
KRUC	1.34	9.5	Pn	05:31:30.020	0.7					T__		37.5		_d_	ML	1.8	848903	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.34	9.5	Sn	05:31:47.547	0.3					T__				---		848898	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/03/19 13:52:01.57 0.97 0.98 48.7360 21.7065 7.6 4.5 171 10.0f 16 9 115 0.42 1.60 ke BUD 19001282 BUD 183

Magnitude Err Nsta Author OrigID  
 ML 2.2 0.2 7 BUD 19001282

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOLS	0.42	62.0	Pg	13:52:10.334	0.4					T__						848989	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.42	62.0	Lg	13:52:14.936	-2.0					T__						848990	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ABAH	0.54	215.4	Pg	13:52:12.702	0.4					T__		372.7		_c_	ML	2.4	848996	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.54	215.4	Lg	13:52:20.121	-0.5					T__				---		848985	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=1)																									
JOS	0.81	253.2	Pg	13:52:17.374	0.0					T__		162.5		_c_	ML	2.2	848997	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.81	253.2	Lg	13:52:28.758	-0.0					T__				---		848991	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
TRPA	0.82	137.2	Pg	13:52:17.836	0.5					T__		178.3		---	ML	2.2	848998	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.82	137.2	Lg	13:52:29.634	0.0					T__				---		848992	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
KECS	0.85	253.1	Pg	13:52:18.222	0.1					T__		324.1		---	ML	2.5	848986	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.85	253.1	Lg	13:52:29.799	-0.3					T__				---		848987	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.5 magdef=1)																									
(Station ML: 2.5 magdef=0)																									
NIE	1.15	307.0	Pg	13:52:23.774	0.7					T__		22.4		---	ML	1.5	848993	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=0)																									

PSZ	1.46	236.6	Pg	13:52:29.843	-0.7	T__	53.2	---	ML	2.0	848999	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.46	236.6	Sn	13:52:48.460	1.4	T__		---			848988	FDSN	GE	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.0 magdef=1)																			
(Station ML: 2.0 magdef=1)																			
ET1H	1.50	235.7	Pg	13:52:30.145	-0.9	T__	28.3	---	ML	1.8	849000	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	1.50	235.7	Lg	13:52:51.217	-0.2	T__		---			848994	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1)																			
(Station ML: 1.8 magdef=1)																			
BMR	1.60	130.9	Sn	13:52:52.778	1.9	T__		---			848995	FDSN	RO	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/19	17:18:51.40	2.34	0.56	48.4561	17.2985	24.5	7.0	104	28.3	28.0	7	4	190	0.47	1.10	ke	BUD	19001286	BUD			266

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JAVC	0.47	31.3	Pn	17:19:02.198	0.3					T__		56.3		---	ML	1.4	849083	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.47	31.3	Sn	17:19:09.589	-0.7					T__				---		849088	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
KRUC	0.85	315.7	Pg	17:19:07.880	-0.3					T__		28.8		---	ML	1.4	849084	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	0.85	315.7	Lg	17:19:21.058	0.4					T__				---		849085	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
RONA	1.01	222.0	Pn	17:19:09.545	0.3					T__				---		849089	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	1.01	222.0	Lg	17:19:25.179	0.2					T__				---		849086	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	1.10	241.7	Lg	17:19:27.460	-0.1					T__				---		849087	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/03/19	18:56:56.42	0.94	1.02	45.8572	16.0022	12.4	5.1	152	10.0f		20	16	112	0.03	2.07	ke	BUD	19001288	BUD				178

Magnitude	Err	Nsta	Author	OrigID
ML	2.3	0.1	10 BUD	19001288

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ZAG	0.03	199.5	Pg	18:56:58.617	0.2					T__		25688.1		_d	ML	2.8	849139	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.03	199.5	Lg	18:57:00.115	0.2					T__				---		849138	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.8 magdef=1)																									
(Station ML: 2.8 magdef=0)																									
PTJ	0.06	334.4	Lg	18:56:58.543	-2.4					T__				---		849137	FDSN	CR	--	BUD	iLoc	BHN	???	_	
PTJ	0.06	334.4	Pg	18:56:58.937	0.0					T__		18176.8		---	ML	2.7	849140	FDSN	CR	--	BUD	iLoc	BHN	BHZ	_
(Reading ML: 2.7 magdef=1)																									
(Station ML: 2.7 magdef=0)																									
CRES	0.38	265.5	Pg	18:57:04.376	0.3					T__		190.7		---	ML	1.6	849141	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.38	265.5	Lg	18:57:10.562	0.7					T__				---		849142	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=0)																									
KOGS	0.62	16.2	Pg	18:57:07.961	-0.6					T__		712.6		---	ML	2.7	849132	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 2.7 magdef=1)																									
(Station ML: 2.7 magdef=1)																									



BEHE	0.82	41.0	Pn	18:57:13.256	-0.1	T__	524.2	___	ML	2.7	849131	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.7 magdef=1)																			
(Station ML: 2.7 magdef=1)																			
A264A	0.95	70.9	Pn	18:57:15.410	0.4	T__	183.0	___	ML	2.3	849135	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A264A	0.95	70.9	Lg	18:57:27.644	0.3	T__		---			849134	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.3 magdef=1)																			
(Station ML: 2.3 magdef=1)																			
A262A	1.07	19.7	Sn	18:57:32.136	0.6	T__		---			849133	FDSN	Z6	00	BUD	iLoc	HHE	???	_
OBKA	1.20	303.4	Pn	18:57:19.270	-0.1	T__	100.5	---	ML	2.2	849143	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.2 magdef=1)																			
(Station ML: 2.2 magdef=1)																			
A273A	1.27	86.7	Lg	18:57:38.594	1.7	T__		---			849144	FDSN	Z6	00	BUD	iLoc	HHN	???	_
A261A	1.35	35.5	Pn	18:57:20.340	-0.2	T__	105.6	---	ML	2.3	849136	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.3 magdef=1)																			
(Station ML: 2.3 magdef=1)																			
A265A	1.37	64.9	Lg	18:57:41.957	1.6	T__		---			849145	FDSN	Z6	00	BUD	iLoc	HHN	???	_
ARSA	1.43	346.8	Pg	18:57:23.531	0.8	T__	61.9	---	ML	2.1	849146	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.1 magdef=1)																			
(Station ML: 2.1 magdef=0)																			
A266A	1.71	66.1	Lg	18:57:52.024	1.0	T__		---			849147	FDSN	Z6	00	BUD	iLoc	HHN	???	_
RONA	1.85	6.2	Pg	18:57:31.590	0.7	T__		---			849148	FDSN	OE	--	BUD	iLoc	HHZ	???	_
MORH	1.87	78.0	Lg	18:57:55.080	-1.0	T__		---			849149	FDSN	HU	--	BUD	iLoc	HHN	???	_
CONA	2.07	357.4	Pg	18:57:36.017	1.3	T__	43.3	---	ML	2.3	849150	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.3 magdef=1)																			
(Station ML: 2.3 magdef=1)																			

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/19	19:05:17.42	1.19	0.93	45.8606	16.0347	10.6	5.0	129	10.0f		12	7	146	0.05	1.85	ke	BUD	19001290	BUD			210

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.0	5 BUD	19001290

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ZAG	0.05	224.8	Pg	19:05:20.003	0.5					T__		7553.2		_d	ML	2.3	849235	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.05	224.8	Lg	19:05:21.089	-0.0					T__				---		849236	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=0)																									
PTJ	0.07	314.9	Lg	19:05:19.939	-2.2					T__				---		849234	FDSN	CR	--	BUD	iLoc	BHN	???	_	
CRES	0.41	265.3	Pg	19:05:25.855	0.3					T__	47.2			---	ML	1.1	849228	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.41	265.3	Lg	19:05:31.606	-0.0					T__				---		849232	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=0)																									
KOGS	0.61	14.2	Pg	19:05:29.379	0.0					T__	122.2			---	ML	1.9	849229	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.61	14.2	Lg	19:05:37.247	-0.2					T__				---		849237	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
OBKA	1.22	302.7	Pn	19:05:41.362	0.7					T__	48.5			---	ML	1.9	849238	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
OBKA	1.22	302.7	Sn	19:05:57.587	0.4					T__				---		849233	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
ARSA	1.43	345.9	Pg	19:05:44.946	1.2					T__	34.2			---	ML	1.8	849239	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
ARSA	1.43	345.9	Lg	19:06:03.505	0.4					T__				---		849230	FDSN	OE	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.8 magdef=1  
 (Station ML: 1.8 magdef=1  
 MORH 1.85 78.0 Lg 19:06:16.652 0.3 T\_\_ --- 849231 FDSN HU -- BUD iLoc HHN ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/20	07:30:52.58	3.40	0.44	48.0133	19.6995	23.8	6.7	96	0.0f	6	4	268	0.16	0.74	sx	BUD	19001302	BUD				282

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.16	125.9	Pg	07:30:57.027	0.4					T__		276.1		---	ML	1.2	849427	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.16	125.9	Lg	07:30:59.712	-0.2					T__				---		849431	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1 (Station ML: 1.2 magdef=1																									
ET1H	0.18	139.2	Pg	07:30:56.849	0.1					T__		66.4		---	ML	0.6	849426	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.18	139.2	Lg	07:30:59.643	-0.4					T__				---		849429	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.6 magdef=1 (Station ML: 0.6 magdef=1																									
KECS	0.71	47.9	Lg	07:31:17.216	-0.2					T__				---		849430	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	0.74	49.0	Lg	07:31:18.226	-0.4					T__				---		849428	FDSN	Z6	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/03/20	11:32:27.20	9.43	0.50	48.0328	19.4248	84.1	18.8	49	0.0f	5	4	300	0.34	0.88	sx	BUD	19001308	BUD					307
2023/03/20	11:32:21.80	1.62	1.32	47.8327	19.1394f				0.0f	5	4	329	0.50	1.15	kx	BUD_GT	19001309	BUD_GT					333

(locality: Sejce-Vác Hungary)  
 (GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ET1H	0.50	84.3	Lg	11:32:40.164	-0.0					T__				---		849618	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	0.52	80.1	Lg	11:32:40.493	-0.8					T__				---		849619	FDSN	GE	--	BUD	iLoc	HHN	???	_	
KECS	1.11	53.7	Pn	11:32:44.657	1.1					T__		82.4		---	ML	2.0	849621	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	1.11	53.7	Sn	11:32:59.780	-1.0					T__				---		849620	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.0 magdef=1 (Station ML: 2.0 magdef=0																									
JOS	1.15	54.2	Pn	11:32:46.082	2.0					T__		28.0		---	ML	1.6	849617	FDSN	Z6	--	BUD	iLoc	HHN	HHZ	_
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=0																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/03/21	09:35:23.64	2.39	1.05	45.9938	22.7776	18.6	6.2	10	0.0f	7	4	242	0.14	0.90	sx	BUD	19001332	BUD					307

Magnitude Err Nsta Author OrigID  
 ML 1.6 0.2 3 BUD 19001332

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DEV	0.14	141.5	Pg	09:35:26.366	0.0					T__		549.6		---	ML	1.4	850434	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.14	141.5	Lg	09:35:28.886	0.6					T__				---		850433	FDSN	RO	--	BUD	iLoc	HHN	???	_	

```

(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
GZR 0.60 180.1 Pg 09:35:34.546 -0.7 T__ 71.0 ___ ML 1.7 850435 FDSN RO -- BUD iLoc HHZ HHZ _
GZR 0.60 180.1 Lg 09:35:44.333 0.6 T__ ___ 850436 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
LOT 0.88 127.8 Lg 09:35:52.075 -1.5 T__ ___ 850437 FDSN RO -- BUD iLoc HHN ??? _
BZS 0.90 245.5 Pg 09:35:40.827 -0.3 T__ ___ ML 1.6 850439 FDSN RO -- BUD iLoc HHZ HHZ _
BZS 0.90 245.5 Lg 09:35:54.850 1.1 T__ ___ 850438 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/03/21 09:36:25.17 1.21 1.37 48.5866 17.6122 10.0 3.1 113 0.0f 14 8 213 0.28 1.34 sx BUD 19001334 BUD 223

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Magnitude Err Nsta Author OrigID
ML 1.6 0.4 4 BUD 19001334

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
JAVC 0.28 8.1 Pg 09:36:31.202 -0.1 T__ 212.8 ___ ML 1.4 850470 FDSN CZ -- BUD iLoc HHZ HHZ _
JAVC 0.28 8.1 Lg 09:36:35.566 -0.6 T__ ___ 850477 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
MODS 0.31 226.4 Pg 09:36:33.303 1.4 T__ ___ 850476 FDSN SK -- BUD iLoc HHZ ??? _
MODS 0.31 226.4 Lg 09:36:35.202 -2.0 T__ ___ 850482 FDSN SK -- BUD iLoc HHN ??? _
ZST 0.52 221.2 Lg 09:36:42.254 -1.7 T__ ___ 850483 FDSN SK -- BUD iLoc HHN ??? _
KRUC 0.93 301.1 Lg 09:36:56.078 -0.7 T__ ___ 850478 FDSN CZ -- BUD iLoc HHN ??? _
VRAC 0.99 317.5 Pg 09:36:44.416 0.6 T__ 15.4 ___ ML 1.2 850479 FDSN CZ -- BUD iLoc HHZ HHZ _
VRAC 0.99 317.5 Lg 09:36:58.047 -0.3 T__ ___ 850473 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
MORC 1.19 357.8 Pg 09:36:48.698 1.3 T__ 45.8 ___ ML 1.8 850475 FDSN CZ -- BUD iLoc HHZ HHZ _
MORC 1.19 357.8 Lg 09:37:04.876 0.9 T__ ___ 850480 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
RONA 1.25 225.3 Pn 09:36:47.182 -2.3 T__ ___ 850472 FDSN OE -- BUD iLoc HHZ ??? _
RONA 1.25 225.3 Lg 09:37:05.697 -0.4 T__ ___ 850471 FDSN OE -- BUD iLoc HHN ??? _
CONA 1.34 241.3 Pn 09:36:49.699 -1.2 T__ 49.1 ___ ML 1.9 850474 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 1.34 241.3 Lg 09:37:07.849 -1.0 T__ ___ 850481 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/03/21 10:12:51.55 1.63 0.30 46.1003 21.6809 13.0 6.0 119 0.0f 9 5 220 0.49 1.60 sx BUD 19001336 BUD 278

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Magnitude Err Nsta Author OrigID
ML 2.2 0.2 4 BUD 19001336

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```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
BZS 0.49 185.3 Pg 10:13:01.168 -0.0 T__ 58.1 ___ ML 1.4 850561 FDSN RO -- BUD iLoc HHZ HHZ _

```

BZS	0.49	185.3	Lg	10:13:08.275	-0.0	T__								850564	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																							
(Station ML: 1.4 magdef=1)																							
DEV	0.88	103.9	Lg	10:13:20.340	-0.3	T__								850565	FDSN	RO	--	BUD	iLoc	HHN	???	_	
DRGR	0.99	45.5	Pg	10:13:11.430	0.1	T__	146.3						ML	2.2	850560	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	0.99	45.5	Lg	10:13:25.672	-0.3	T__								850559	FDSN	RO	--	BUD	iLoc	HHE	???	_	
(Reading ML: 2.2 magdef=1)																							
(Station ML: 2.2 magdef=1)																							
GZR	1.04	132.3	Pg	10:13:11.795	0.4	T__	101.6						ML	2.1	850567	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	1.04	132.3	Lg	10:13:25.745	-0.3	T__								850566	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																							
(Station ML: 2.1 magdef=1)																							
LOT	1.60	113.3	Pn	10:13:21.107	0.2	T__	81.6						ML	2.3	850563	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
LOT	1.60	113.3	Sn	10:13:43.384	0.3	T__								850562	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.3 magdef=1)																							
(Station ML: 2.3 magdef=1)																							

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/21	10:32:33.33	1.67	1.69	48.4519	21.4133	11.2	9.0	137	0.0f		5	4	167	0.19	0.75	sx	BUD	19001338	BUD			301

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ABAH	0.19	216.6	Pg	10:32:38.307	0.7					T__		141.2			ML	1.0	850588	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.19	216.6	Lg	10:32:39.805	-1.6					T__						850589	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=0)																									
JOS	0.58	274.6	Lg	10:32:53.295	-0.6					T__						850590	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
KECS	0.62	273.2	Lg	10:32:54.729	-0.4					T__						850591	FDSN	SK	--	BUD	iLoc	EHN	???	_	
KOLS	0.75	49.5	Lg	10:32:58.346	-1.5					T__						850592	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/21	12:34:51.75	2.31	0.96	47.8502	20.1369	18.6	5.8	155	0.0f		7	5	220	0.18	0.86	sx	BUD	19001340	BUD			256

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
PSZ	0.18	292.8	Pg	12:34:56.202	0.1					T__		527.9			ML	1.5	850627	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.18	292.8	Lg	12:34:58.466	-1.2					T__						850628	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
ET1H	0.18	279.3	Pg	12:34:56.202	0.2					T__		574.0			ML	1.6	850625	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.18	279.3	Lg	12:34:59.926	0.5					T__						850626	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
KECS	0.68	20.1	Lg	12:35:16.461	0.8					T__						850630	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	0.70	22.5	Lg	12:35:16.304	-0.2					T__						850631	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
ABAH	0.86	58.5	Lg	12:35:21.838	-1.1					T__						850629	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/22	07:00:40.43	1.67	0.89	47.9614	20.3634	15.4	3.8	139	0.0f	9	5	196	0.32	0.68	sx	BUD	19001350	BUD				243
2023/03/22	07:00:40.46	0.96	0.81	47.9590	20.3545f				0.0f	9	5	196	0.31	0.68	kx	BUD_GT	19001351	BUD_GT				243

(locality: Eger-III Hungary)  
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
ML	1.2	0.2	4 BUD_GT	19001351

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.31	262.7	Pg	07:00:48.140	0.6					T__		73.4		---	ML	1.0	850844	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.31	262.7	Lg	07:00:52.356	-0.6					T__				---		850847	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1 Station ML: 1.0 magdef=1)																									
ET1H	0.33	256.4	Pg	07:00:48.551	0.7					T__		62.6		---	ML	1.0	850845	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.33	256.4	Lg	07:00:52.596	-0.7					T__				---		850848	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1 Station ML: 1.0 magdef=1)																									
KECS	0.53	9.4	Pg	07:00:51.955	0.7					T__		80.7		---	ML	1.7	850850	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.53	9.4	Lg	07:00:58.854	-0.6					T__				---		850849	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=1)																									
JOS	0.55	12.9	Pg	07:00:51.781	0.2					T__		35.7		---	ML	1.4	850843	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.55	12.9	Lg	07:00:59.233	-0.9					T__				---		850851	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1 Station ML: 1.4 magdef=1)																									
ABAH	0.68	60.0	Lg	07:01:04.269	-1.4					T__				---		850846	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/22	08:42:07.55	0.94	1.10	48.4861	17.2852	7.6	3.3	111	0.0f	9	6	148	0.11	1.10	sx	BUD	19001352	BUD				227

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.11	182.6	Pg	08:42:10.997	0.6					T__				---		850876	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.11	182.6	Lg	08:42:11.951	-1.1					T__				---		850879	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ZST	0.31	202.8	Pg	08:42:15.219	0.9					T__				---		850881	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
ZST	0.31	202.8	Lg	08:42:17.859	-1.7					T__				---		850880	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.45	34.2	Pg	08:42:16.969	-0.2					T__		103.4		---	ML	1.6	850877	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.45	34.2	Lg	08:42:25.354	0.8					T__				---		850882	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1 Station ML: 1.6 magdef=0)																									
KRUC	0.82	314.7	Lg	08:42:34.871	-0.7					T__				---		850883	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
RONA	1.03	220.5	Lg	08:42:40.492	-0.9					T__				---		850884	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	1.10	240.1	Lg	08:42:43.818	0.2					T__				---		850878	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/22	09:10:51.88	1.40	0.69	48.3193	19.8657	12.3	3.9	116	0.0f	9	5	194	0.40	1.14	sx	BUD	19001354	BUD				248

Magnitude	Err	Nsta	Author	OrigID

ML 1.8 0.0 5 BUD 19001354

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
PSZ	0.40	177.2	Pg	09:11:00.702	-0.1					T__		224.0		---	ML	1.8 850907	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.40	177.2	Lg	09:11:06.621	-0.7					T__				---		850910	FDSN	GE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1)																								
(Station ML: 1.8 magdef=1)																								
ET1H	0.44	179.5	Pg	09:11:02.278	0.9					T__		140.6		---	ML	1.7 850908	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.44	179.5	Lg	09:11:07.771	-0.5					T__				---		850913	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1)																								
(Station ML: 1.7 magdef=1)																								
KECS	0.44	68.1	Pg	09:11:01.469	0.6					T__		184.7		---	ML	1.8 850912	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.44	68.1	Lg	09:11:07.175	-0.6					T__				---		850911	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Reading ML: 1.8 magdef=1)																								
(Station ML: 1.8 magdef=0)																								
JOS	0.48	68.3	Pg	09:11:02.129	0.5					T__		95.7		---	ML	1.6 850909	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.48	68.3	Lg	09:11:08.474	-0.6					T__				---		850914	FDSN	Z6	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1)																								
(Station ML: 1.6 magdef=0)																								
NIE	1.14	14.4	Pg	09:11:13.335	-0.0					T__		43.0		---	ML	1.8 850915	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.8 magdef=1)																								
(Station ML: 1.8 magdef=1)																								

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/22	10:03:35.96	1.09	0.85	48.5637	17.5225	9.3	3.3	116	0.0f		11	6	199	0.25	1.28	sx	BUD	19001356	BUD			273

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.2	3 BUD	19001356

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MODS	0.25	220.7	Pg	10:03:42.413	0.9					T__				---		850964	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.25	220.7	Lg	10:03:45.031	-1.0					T__				---		850965	FDSN	SK	--	BUD	iLoc	HHN	???	_
JAVC	0.31	18.3	Pg	10:03:42.902	0.2					T__		147.8		---	ML	1.3 850966	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.31	18.3	Lg	10:03:48.225	0.1					T__				---		850970	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.3 magdef=1)																								
(Station ML: 1.3 magdef=1)																								
ZST	0.46	217.4	Lg	10:03:52.909	-0.0					T__				---		850968	FDSN	SK	--	BUD	iLoc	HHN	???	_
KRUC	0.90	304.2	Pg	10:03:53.519	0.4					T__		66.3		---	ML	1.8 850972	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	0.90	304.2	Lg	10:04:06.366	0.0					T__				---		850969	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1)																								
(Station ML: 1.8 magdef=1)																								
RONA	1.19	224.0	Pg	10:03:58.478	-1.1					T__				---		850973	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	1.19	224.0	Lg	10:04:15.191	0.2					T__				---		850971	FDSN	OE	--	BUD	iLoc	HHN	???	_
CONA	1.28	240.8	Pn	10:03:59.313	-1.5					T__		54.4		---	ML	1.9 850974	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	1.28	240.8	Lg	10:04:16.969	-0.6					T__				---		850967	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1)																								
(Station ML: 1.9 magdef=1)																								

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/22	10:06:55.30	1.00	0.91	47.9466	16.0892	6.5	4.3	16	0.0f		8	6	112	0.15	1.47	sx	BUD	19001358	BUD			201

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.15	263.2	Pg	10:06:58.711	0.1					T__		286.6		---	ML	1.2	850997	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.15	263.2	Lg	10:07:00.734	-0.2					T__				---		850998	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=0)																									
RONA	0.28	150.5	Pg	10:07:01.692	0.5					T__				---		850999	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.28	150.5	Lg	10:07:04.545	-0.7					T__				---		851000	FDSN	OE	--	BUD	iLoc	HHN	???	_	
MODS	0.90	61.3	Lg	10:07:26.852	-0.8					T__				---		851001	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KRUC	1.13	10.2	Lg	10:07:34.240	0.4					T__				---		851002	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
VRAC	1.40	13.6	Sn	10:07:41.882	1.0					T__				---		851003	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
CKRC	1.47	307.0	Sn	10:07:44.017	1.2					T__				---		851004	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/22	11:19:59.81	1.02	1.34	47.4090	16.4003	6.2	4.1	48	0.0f		10	7	134	0.24	1.13	sx	BUD	19001362	BUD			204

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.2	3 BUD	19001362

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
A260A	0.24	121.1	Pg	11:20:05.919	0.8					T__		799.1		---	ML	1.9	851083	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
SOP	0.29	21.2	Pg	11:20:05.578	-0.5					T__		118.3		---	ML	1.2	851081	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.29	21.2	Lg	11:20:11.795	1.4					T__				---		851080	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
RONA	0.30	346.4	Pg	11:20:05.748	-0.3					T__				---		851079	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.30	346.4	Lg	11:20:09.794	-0.7					T__				---		851078	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.62	255.4	Lg	11:20:18.608	-1.0					T__				---		851082	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.63	325.2	Pg	11:20:13.328	0.9					T__		82.2		---	ML	1.8	851077	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.63	325.2	Lg	11:20:22.058	1.2					T__				---		851086	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
MPLH	0.81	106.7	Lg	11:20:25.848	-2.5					T__				---		851084	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MODS	1.13	31.1	Sn	11:20:38.665	-0.4					T__				---		851085	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/22	12:00:04.53	0.93	0.93	48.4910	17.2795	6.1	3.2	104	0.0f		10	6	145	0.12	1.10	sx	BUD	19001366	BUD			226

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.12	180.7	Pg	12:00:07.814	0.3					T__				---		851163	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.12	180.7	Lg	12:00:09.496	-0.7					T__				---		851167	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ZST	0.32	201.9	Pg	12:00:12.258	0.9					T__				---		851169	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
ZST	0.32	201.9	Lg	12:00:14.941	-1.7					T__				---		851168	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.45	35.0	Pg	12:00:14.520	0.4					T__		228.6		---	ML	1.9	851164	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_

JAVC	0.45	35.0	Lg	12:00:20.993	-0.5	T__									851165	FDSN	CZ	--	BUD	iLoc	HHN	???	_			
(Reading ML: 1.9 magdef=1)																										
(Station ML: 1.9 magdef=1)																										
KRUC	0.82	314.7	Pg	12:00:20.610	0.4	T__									92.2	ML	1.9	851166	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	0.82	314.7	Lg	12:00:31.298	-1.0	T__												851170	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1)																										
(Station ML: 1.9 magdef=1)																										
RONA	1.03	220.1	Lg	12:00:38.478	0.1	T__												851171	FDSN	OE	--	BUD	iLoc	HHN	???	_
CONA	1.10	239.8	Lg	12:00:40.245	-0.3	T__												851172	FDSN	OE	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/23	08:07:58.66	1.13	0.48	48.0723	20.7006	7.0	4.3	151	0.0f	9	5	193	0.42	0.59	sx	BUD	19001382	BUD				265
2023/03/23	08:07:58.44	0.95	0.77	48.0471	20.6805f				0.0f	9	5	196	0.45	0.57	kx	BUD_GT	19001383	BUD_GT				264
(locality: Miskolc-Mexikóvölgy Hungary)																						
(GT info : GT2 explosion)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.2	4 BUD_GT	19001383

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.45	56.1	Pg	08:08:07.667	-0.0					T__		152.2			ML	1.7	851542	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.45	56.1	Lg	08:08:14.300	-1.2					T__						851543	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
KECS	0.46	343.5	Pg	08:08:07.963	0.3					T__		79.7			ML	1.5	851536	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.46	343.5	Lg	08:08:13.884	-0.9					T__						851539	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
JOS	0.46	348.2	Pg	08:08:07.537	-0.2					T__		102.4			ML	1.6	851537	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.46	348.2	Lg	08:08:14.395	-0.5					T__						851540	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
PSZ	0.54	256.6	Pg	08:08:10.943	0.7					T__		122.2			ML	1.9	851538	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.54	256.6	Lg	08:08:19.027	0.2					T__						851544	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
ET1H	0.57	253.1	Lg	08:08:20.527	1.2					T__						851541	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/23	09:21:08.58	1.22	0.51	47.9822	20.6252	8.0	6.2	112	0.0f	7	4	164	0.43	0.52	sx	BUD	19001384	BUD				297
2023/03/23	09:21:09.69	1.00	1.70	48.0471	20.6805f				0.0f	7	4	159	0.45	0.50	kx	BUD_GT	19001385	BUD_GT				287
(locality: Miskolc-Mexikóvölgy Hungary)																						
(GT info : GT2 explosion)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.0	3 BUD_GT	19001385

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.45	56.1	Pg	09:21:19.407	0.5					T__		153.5			ML	1.7	851575	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.45	56.1	Lg	09:21:27.498	0.7					T__						851574	FDSN	HU	--	BUD	iLoc	HHN	???	_	



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(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
KECS 0.46 343.5 Pg 09:21:19.524 0.6 T__ 109.2 ___ ML 1.6 851571 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.46 343.5 Lg 09:21:26.848 0.8 T__ ___ 851570 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
JOS 0.46 348.2 Pg 09:21:18.566 -0.4 T__ 106.3 ___ ML 1.6 851572 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.46 348.2 Lg 09:21:26.827 0.7 T__ ___ 851573 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
HU23A 0.50 215.6 Lg 09:21:24.541 -3.9 T__ ___ 851569 FDSN Z6 00 BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/03/23 09:48:30.72 1.06 1.39 48.2341 21.2303 5.3 4.2 151 0.0f 14 8 152 0.06 1.34 sx BUD 19001386 BUD 204
2023/03/23 09:48:30.64 0.91 1.19 48.2470 21.2460f 0.0f 14 8 151 0.05 1.33 kx BUD_GT 19001387 BUD_GT 204
(locality: Tálya Hungary)
(GT info : GT2 explosion)

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Magnitude Err Nsta Author OrigID
ML 2.1 0.1 5 BUD_GT 19001387

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
ABAH 0.05 355.1 Pg 09:48:33.364 1.1 T__ 10562.8 ___ ML 2.5 851607 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.05 355.1 Lg 09:48:33.864 0.1 T__ ___ 851610 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=0
JOS 0.53 298.1 Pg 09:48:42.604 1.2 T__ 108.6 ___ ML 1.8 851608 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.53 298.1 Lg 09:48:49.237 -0.3 T__ ___ 851611 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=0
KECS 0.56 295.3 Pg 09:48:42.455 0.5 T__ 135.7 ___ ML 1.9 851612 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.56 295.3 Lg 09:48:48.843 -1.6 T__ ___ 851613 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
TRPA 0.87 97.2 Pn 09:48:49.163 0.2 T__ 151.6 ___ ML 2.2 851615 FDSN HU -- BUD iLoc HHZ HHZ _
TRPA 0.87 97.2 Lg 09:49:01.086 -1.0 T__ ___ 851614 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
PSZ 0.96 250.6 Lg 09:49:03.172 -2.2 T__ ___ 851609 FDSN GE -- BUD iLoc HHN ??? _
KOLS 0.97 44.4 Pg 09:48:48.764 -0.4 T__ ___ 851617 FDSN SK -- BUD iLoc HHZ ??? _
KOLS 0.97 44.4 Lg 09:49:03.242 -1.7 T__ ___ 851616 FDSN SK -- BUD iLoc HHN ??? _
ET1H 0.99 248.7 Pg 09:48:51.279 -0.1 T__ 106.7 ___ ML 2.1 851618 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.99 248.7 Lg 09:49:04.225 -1.7 T__ ___ 851619 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
NIE 1.33 332.3 Lg 09:49:14.439 -0.8 T__ ___ 851620 FDSN PL -- BUD iLoc BHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/03/23 11:07:19.60 1.22 1.37 48.6545 17.1927 13.6 5.0 119 0.0f 5 5 140 0.38 1.15 sx BUD 19001390 BUD 185

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Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
JAVC	0.38	56.9	Lg	11:07:33.768	-0.2					T__						851681	FDSN	CZ	--	BUD	iLoc	HHN	???	_
ZST	0.46	187.5	Lg	11:07:37.366	0.8					T__						851680	FDSN	SK	--	BUD	iLoc	HHN	???	_
RONA	1.13	212.5	Lg	11:07:57.276	0.7					T__						851679	FDSN	OE	--	BUD	iLoc	HHN	???	_
MORC	1.15	11.4	Lg	11:07:58.083	1.1					T__						851677	FDSN	CZ	--	BUD	iLoc	HHN	???	_
CONA	1.15	231.2	Pg	11:07:41.092	-1.1					T__		127.4			___ ML	2.2 851678	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_

(Reading ML: 2.2 magdef=1

(Station ML: 2.2 magdef=0

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/24	09:12:32.40	1.65	0.15	48.4983	20.8153	14.2	6.1	16	0.0f		7	5	216	0.18	0.88	sx	BUD	19001414	BUD			316

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
JOS	0.18	269.3	Pg	09:12:36.281	0.0					T__		94.5			___ ML	0.8 852215	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.18	269.3	Lg	09:12:39.228	-0.1					T__						852217	FDSN	Z6	--	BUD	iLoc	HHN	???	_

(Reading ML: 0.8 magdef=1

(Station ML: 0.8 magdef=1

KECS	0.22	266.2	Pg	09:12:37.175	0.2					T__		168.5			___ ML	1.1 852216	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.22	266.2	Lg	09:12:40.454	-0.2					T__						852218	FDSN	SK	--	BUD	iLoc	EHN	???	_

(Reading ML: 1.1 magdef=1

(Station ML: 1.1 magdef=1

ABAH	0.35	125.4	Lg	09:12:45.702	-0.1					T__						852219	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	0.85	227.0	Lg	09:13:02.914	-0.1					T__						852220	FDSN	GE	--	BUD	iLoc	HHN	???	_
ET1H	0.88	225.9	Lg	09:13:03.929	0.0					T__						852221	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/24	09:39:49.49	1.71	0.36	48.5043	20.8014	14.6	6.2	15	0.0f		6	5	218	0.17	0.88	sx	BUD	19001416	BUD			317

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
JOS	0.17	267.3	Pg	09:39:53.122	-0.1					T__		122.9			___ ML	0.9 852239	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.17	267.3	Lg	09:39:56.316	0.2					T__						852240	FDSN	Z6	--	BUD	iLoc	HHN	???	_

(Reading ML: 0.9 magdef=1

(Station ML: 0.9 magdef=0

KECS	0.21	264.4	Lg	09:39:57.474	0.1					T__						852241	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.36	125.3	Lg	09:40:03.396	0.1					T__						852242	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	0.84	226.3	Lg	09:40:19.632	-0.4					T__						852243	FDSN	GE	--	BUD	iLoc	HHN	???	_
ET1H	0.88	225.2	Lg	09:40:21.331	0.4					T__						852244	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/24	10:13:19.37	2.01	1.66	48.5728	21.7018	13.6	10.8	14	0.0f		8	5	187	0.41	1.37	sx	BUD	19001418	BUD			323

Magnitude Err Nsta Author OrigID  
ML 1.7 0.4 3 BUD 19001418

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.41	228.2	Pg	10:13:28.360	0.5					T__		105.0		___	ML	1.5	852266	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.41	228.2	Lg	10:13:34.407	-0.6					T__				---		852267	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.5 magdef=1)																					
				(Station ML: 1.5 magdef=1)																					
JOS	0.78	264.7	Pg	10:13:35.344	0.6					T__		60.4		___	ML	1.7	852264	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.78	264.7	Lg	10:13:45.010	-1.4					T__				---		852268	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.7 magdef=1)																					
				(Station ML: 1.7 magdef=1)																					
KECS	0.81	264.1	Pg	10:13:36.153	0.6					T__		116.9		___	ML	2.0	852265	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.81	264.1	Lg	10:13:46.586	-1.1					T__				---		852269	FDSN	SK	--	BUD	iLoc	EHN	???	_	
				(Reading ML: 2.0 magdef=1)																					
				(Station ML: 2.0 magdef=1)																					
MEZ	1.21	92.1	Lg	10:13:59.116	-1.9					T__				---		852270	FDSN	UA	--	BUD	iLoc	BHN	???	_	
PSZ	1.37	242.2	Sn	10:14:02.954	-2.3					T__				---		852271	FDSN	GE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/24	10:23:56.36	2.68	1.15	48.3214	19.2136	17.4	6.5	94	0.0f		11	6	257	0.61	1.35	94	sx BUD	19001420	BUD			303

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.1	5 BUD	19001420

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.61	131.2	Pg	10:24:10.028	0.6					T__		94.0		___	ML	1.8	852305	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.61	131.2	Lg	10:24:18.161	-0.8					T__				---		852304	FDSN	GE	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.8 magdef=1)																					
				(Station ML: 1.8 magdef=1)																					
ET1H	0.62	134.9	Pg	10:24:10.070	0.5					T__		85.1		___	ML	1.8	852306	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.62	134.9	Lg	10:24:18.545	-0.5					T__				---		852307	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.8 magdef=1)																					
				(Station ML: 1.8 magdef=0)																					
KECS	0.86	78.7	Pg	10:24:12.306	-1.2					T__		172.9		___	ML	2.2	852302	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.86	78.7	Lg	10:24:27.551	1.1					T__				---		852301	FDSN	SK	--	BUD	iLoc	EHN	???	_	
				(Reading ML: 2.2 magdef=1)																					
				(Station ML: 2.2 magdef=0)																					
JOS	0.90	78.3	Pg	10:24:12.838	-1.4					T__		96.7		___	ML	2.0	852300	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.90	78.3	Lg	10:24:28.579	0.9					T__				---		852310	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.0 magdef=1)																					
				(Station ML: 2.0 magdef=1)																					
NIE	1.31	32.7	Pn	10:24:20.652	-0.6					T__		41.5		___	ML	1.8	852309	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	1.31	32.7	Lg	10:24:40.922	0.9					T__				---		852308	FDSN	PL	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 1.8 magdef=1)																					
				(Station ML: 1.8 magdef=1)																					
ABAH	1.35	90.3	Sn	10:24:42.732	1.6					T__				---		852303	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/24	11:00:07.02	1.18	1.62	48.1060	16.9965	12.4	5.5	136	0.0f		7	6	191	0.11	1.31	94	sx BUD	19001422	BUD			198

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ZST	0.11	38.2	Pg	11:00:09.476	-0.5					T__						852338	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
ZST	0.11	38.2	Lg	11:00:11.478	-1.0					T__						852337	FDSN	SK	--	BUD	iLoc	HHN	???	_	
RONA	0.62	229.5	Lg	11:00:27.271	-0.6					T__						852339	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.78	257.3	Lg	11:00:33.129	0.3					T__						852336	FDSN	OE	--	BUD	iLoc	HHN	???	_	
JAVC	0.88	30.5	Pg	11:00:26.935	1.9					T__		126.5		---	ML	2.1	852340	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.1 magdef=1																					
				(Station ML: 2.1 magdef=0																					
KRUC	1.04	337.6	Lg	11:00:40.965	-1.3					T__						852335	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
ARSA	1.31	229.9	Sn	11:00:52.235	1.9					T__						852341	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/03/24 19:14:43.53 1.02 2.45 45.5761 20.3299 10.9 4.3 158 10.0f 12 7 113 0.56 2.05 ke BUD 19001428 BUD 147

Magnitude Err Nsta Author OrigID  
 ML 1.9 0.0 5 BUD 19001428

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
FRGS	0.56	221.4	Pg	19:14:54.372	0.2					T__		115.0		---	ML	1.9	852568	FDSN	SJ	--	BUD	iLoc	BHZ	BHZ	_
FRGS	0.56	221.4	Lg	19:15:01.876	-2.0					T__				---		852573	FDSN	SJ	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 1.9 magdef=1																					
				(Station ML: 1.9 magdef=1																					
BZS	0.90	87.0	Pg	19:15:00.696	-0.2					T__		43.2		---	ML	1.6	852574	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.90	87.0	Lg	19:15:13.321	-0.2					T__				---		852575	FDSN	RO	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.6 magdef=1																					
				(Station ML: 1.6 magdef=0																					
MORH	1.34	299.1	Pn	19:15:08.025	1.3					T__		42.6		---	ML	1.9	852564	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	1.34	299.1	Sn	19:15:27.954	3.1					T__				---		852566	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.9 magdef=1																					
				(Station ML: 1.9 magdef=1																					
KOVH	1.64	289.0	Lg	19:15:37.118	-0.8					T__				---		852565	FDSN	HU	--	BUD	iLoc	HHN	???	_	
GZR	1.73	95.2	Pn	19:15:14.799	1.9					T__		40.7		---	ML	2.1	852570	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	1.73	95.2	Lg	19:15:38.040	-1.2					T__				---		852571	FDSN	RO	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.1 magdef=1																					
				(Station ML: 2.1 magdef=1																					
BBLs	1.83	201.4	Pg	19:15:18.969	2.4					T__		46.1		---	ML	2.2	852569	FDSN	SJ	--	BUD	iLoc	BHZ	BHZ	_
BBLs	1.83	201.4	Sn	19:15:42.006	4.6					T__				---		852567	FDSN	SJ	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 2.2 magdef=1																					
				(Station ML: 2.2 magdef=0																					
DRGR	2.05	52.8	Lg	19:15:47.362	-2.4					T__				---		852572	FDSN	RO	--	BUD	iLoc	HHE	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/03/25 09:06:38.55 0.94 1.17 46.1824 18.2962 7.2 3.3 159 0.0f 10 8 153 0.17 1.12 sx BUD 19001436 BUD 203

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOVH	0.17	235.5	Pg	09:06:42.945	0.4					T__		519.0		---	ML	1.5	852777	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.17	235.5	Lg	09:06:44.954	-0.7					T__				---		852778	FDSN	HU	--	BUD	iLoc	HHN	???	_	

```

(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
MORH 0.24 82.2 Pg 09:06:44.881 0.9 T__ 213.5 ___ ML 1.3 852776 FDSN HU -- BUD iLoc HHZ HHZ _
MORH 0.24 82.2 Lg 09:06:47.839 -0.5 T__ ___ 852779 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
A266A 0.34 356.4 Lg 09:06:52.044 0.3 T__ ___ 852780 FDSN Z6 00 BUD iLoc HHN ??? _
A265A 0.42 305.1 Lg 09:06:53.366 -0.7 T__ ___ 852781 FDSN Z6 00 BUD iLoc HHN ??? _
HU22A 0.60 75.6 Lg 09:06:59.194 -1.7 T__ ___ 852782 FDSN Z6 00 BUD iLoc HHN ??? _
A272A 0.73 39.2 Lg 09:07:03.652 -1.9 T__ ___ 852783 FDSN Z6 00 BUD iLoc HHN ??? _
BEHE 1.09 285.8 Lg 09:07:15.198 0.0 T__ ___ 852784 FDSN HU -- BUD iLoc HHN ??? _
MPLH 1.12 332.5 Sn 09:07:16.380 -0.7 T__ ___ 852785 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/03/26 11:45:25.26 1.16 0.38 48.4532 17.4126 9.0 3.7 110 3.5 27.2 10 6 196 0.33 1.16 ke BUD 19001444 BUD 250

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Magnitude Err Nsta Author OrigID
ML 1.6 0.3 3 BUD 19001444

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
ZST 0.33 218.9 Pg 11:45:32.121 0.0 T__ ___ 853129 FDSN SK -- BUD iLoc HHZ ??? _
ZST 0.33 218.9 Lg 11:45:36.700 -0.6 T__ ___ 853130 FDSN SK -- BUD iLoc HHN ??? _
JAVC 0.44 22.8 Pg 11:45:34.442 0.0 T__ 65.5 ___ ML 1.3 853121 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
KRUC 0.91 312.5 Pg 11:45:42.520 -0.1 T__ 43.1 ___ ML 1.6 853122 FDSN CZ -- BUD iLoc HHZ HHZ _
KRUC 0.91 312.5 Lg 11:45:55.521 -0.3 T__ ___ 853125 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
VRAC 1.01 328.0 Lg 11:45:59.231 0.2 T__ ___ 853126 FDSN CZ -- BUD iLoc HHN ??? _
RONA 1.06 225.2 Pn 11:45:46.066 -0.3 T__ ___ 853123 FDSN OE -- BUD iLoc HHZ ??? _
RONA 1.06 225.2 Lg 11:46:00.399 0.3 T__ ___ 853127 FDSN OE -- BUD iLoc HHN ??? _
CONA 1.16 243.7 Pn 11:45:47.819 -0.1 T__ 50.0 ___ ML 1.8 853124 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 1.16 243.7 Lg 11:46:03.704 0.5 T__ ___ 853128 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/03/26 11:56:50.83 1.69 1.08 45.8935 21.7275 13.6 6.5 147 10.0f 7 4 177 0.29 1.13 ke BUD 19001446 BUD 264

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```

Magnitude Err Nsta Author OrigID
ML 2.1 0.1 3 BUD 19001446

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```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
BZS 0.29 195.7 Pg 11:56:56.461 -0.4 T__ 226.2 _c_ ML 1.5 853179 FDSN RO -- BUD iLoc HHZ HHZ _
BZS 0.29 195.7 Lg 11:57:00.552 -0.7 T__ ___ 853180 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
BANR 0.66 219.3 Lg 11:57:14.332 1.5 T__ ___ 853181 FDSN RO -- BUD iLoc HHN ??? _
GZR 0.89 123.8 Pg 11:57:08.216 0.3 T__ 158.2 ___ ML 2.2 853178 FDSN RO -- BUD iLoc HHZ HHZ _

```

GZR 0.89 123.8 Lg 11:57:20.405 0.4 T\_\_ --- 853182 FDSN RO -- BUD iLoc HHN ??? \_  
 (Reading ML: 2.2 magdef=1  
 (Station ML: 2.2 magdef=1  
 DRGR 1.13 36.8 Pn 11:57:12.205 0.4 T\_\_ 93.1 --- ML 2.1 853183 FDSN RO -- BUD iLoc HHZ HHZ \_  
 DRGR 1.13 36.8 Lg 11:57:26.563 -1.2 T\_\_ --- 853184 FDSN RO -- BUD iLoc HHN ??? \_  
 (Reading ML: 2.1 magdef=1  
 (Station ML: 2.1 magdef=1

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/03/27 08:11:52.38 1.07 0.74 48.5361 20.7373 7.3 4.1 177 0.0f 11 7 96 0.14 1.09 sx BUD 19001464 BUD 175

Magnitude Err Nsta Author OrigID  
 ML 1.6 0.1 5 BUD 19001464

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L  
 JOS 0.14 253.0 Pg 08:11:55.379 0.0 T\_\_ 291.6 --- ML 1.1 853784 FDSN Z6 -- BUD iLoc HHZ HHZ \_  
 JOS 0.14 253.0 Lg 08:11:58.232 0.5 T\_\_ --- 853791 FDSN Z6 -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.1 magdef=1  
 (Station ML: 1.1 magdef=0  
 KECS 0.18 252.5 Pg 08:11:55.933 -0.2 T\_\_ 605.8 --- ML 1.6 853786 FDSN SK -- BUD iLoc EHZ EHZ \_  
 KECS 0.18 252.5 Lg 08:11:59.531 0.5 T\_\_ --- 853785 FDSN SK -- BUD iLoc EHN ??? \_  
 (Reading ML: 1.6 magdef=1  
 (Station ML: 1.6 magdef=1  
 ABAH 0.41 125.5 Pg 08:12:01.064 0.2 T\_\_ 70.5 --- ML 1.3 853787 FDSN HU -- BUD iLoc HHZ HHZ \_  
 (Reading ML: 1.3 magdef=1  
 (Station ML: 1.3 magdef=1  
 PSZ 0.84 222.7 Pg 08:12:10.518 0.5 T\_\_ 50.1 --- ML 1.7 853788 FDSN GE -- BUD iLoc HHZ HHZ \_  
 PSZ 0.84 222.7 Lg 08:12:22.185 -0.5 T\_\_ --- 853789 FDSN GE -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.7 magdef=1  
 (Station ML: 1.7 magdef=0  
 ET1H 0.88 221.7 Pn 08:12:10.070 -0.8 T\_\_ 42.6 --- ML 1.6 853790 FDSN HU -- BUD iLoc HHZ HHZ \_  
 ET1H 0.88 221.7 Lg 08:12:22.930 -0.7 T\_\_ --- 853793 FDSN HU -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.6 magdef=1  
 (Station ML: 1.6 magdef=1  
 NIE 0.93 342.1 Lg 08:12:23.358 0.2 T\_\_ --- 853792 FDSN PL -- BUD iLoc BHN ??? \_  
 KOLS 1.09 68.1 Lg 08:12:28.456 -1.6 T\_\_ --- 853794 FDSN SK -- BUD iLoc HHN ??? \_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/03/27 08:29:36.84 1.16 1.26 48.8713 21.0379 7.2 4.6 152 8.7 13.5 11 6 126 0.50 1.22 ke BUD 19001466 BUD 221

Magnitude Err Nsta Author OrigID  
 ML 1.7 0.2 4 BUD 19001466

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L  
 JOS 0.50 221.5 Pg 08:29:46.756 -0.1 T\_\_ 35.3 --- ML 1.2 853846 FDSN Z6 -- BUD iLoc HHZ HHZ \_  
 JOS 0.50 221.5 Lg 08:29:54.400 -0.0 T\_\_ --- 853845 FDSN Z6 -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.2 magdef=1  
 (Station ML: 1.2 magdef=1  
 KECS 0.53 223.5 Pg 08:29:47.139 -0.4 T\_\_ 103.8 --- ML 1.8 853843 FDSN SK -- BUD iLoc EHZ EHZ \_  
 KECS 0.53 223.5 Lg 08:29:55.145 -0.4 T\_\_ --- 853844 FDSN SK -- BUD iLoc EHN ??? \_

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(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
ABAH 0.59 166.8 Pg 08:29:49.173 0.6 T__ 50.5 --- ML 1.5 853851 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.59 166.8 Lg 08:29:56.848 -0.9 T__ --- 853847 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
NIE 0.73 318.7 Lg 08:30:01.447 0.5 T__ --- 853850 FDSN PL -- BUD iLoc BHN ??? _
KOLS 0.82 85.2 Pg 08:29:52.336 -0.0 T__ --- 853852 FDSN SK -- BUD iLoc HHZ ??? _
KOLS 0.82 85.2 Lg 08:30:03.075 -1.4 T__ --- 853853 FDSN SK -- BUD iLoc HHN ??? _
PSZ 1.22 219.1 Pn 08:30:01.277 1.9 T__ 40.8 --- ML 1.8 853849 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 1.22 219.1 Sn 08:30:18.992 1.9 T__ --- 853848 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/27	09:12:56.45	0.99	0.98	47.3204	16.4428	5.2	4.8	46	0.0f		10	7	88	0.37	1.74	sx	BUD	19001468	BUD			176

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
SOP	0.37	12.1	Lg	09:13:10.933	1.4					T__						853884	FDSN	HU	--	BUD	iLoc	HHN	???	_	
RONA	0.39	345.4	Pg	09:13:03.619	-0.9					T__						853881	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.39	345.4	Lg	09:13:09.964	-0.1					T__						853885	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.63	264.0	Pg	09:13:08.704	0.0					T__		75.2			ML	1.7	853889	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
ARSA	0.63	264.0	Lg	09:13:16.288	-0.3					T__						853882	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=1																									
CONA	0.72	327.3	Lg	09:13:22.100	1.7					T__						853887	FDSN	OE	--	BUD	iLoc	HHN	???	_	
MPLH	0.76	101.0	Pg	09:13:11.513	-0.4					T__		70.1			ML	1.8	853890	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.76	101.0	Lg	09:13:23.570	0.2					T__						853886	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1 (Station ML: 1.8 magdef=1																									
KOGS	0.88	188.7	Lg	09:13:26.041	0.8					T__						853888	FDSN	SL	--	BUD	iLoc	BHN	???	_	
KRUC	1.74	359.0	Sn	09:13:50.652	0.3					T__						853883	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/03/28	08:20:58.42	2.58	3.59	46.1015	18.0596	20.9	10.0	79	0.0f		5	4	226	0.03	1.13	sx	BUD	19001474	BUD				267

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOVH	0.03	115.2	Pg	08:20:59.908	0.1					T__		869.7			ML	1.3	854017	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.03	115.2	Lg	08:21:01.059	-0.2					T__						854018	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1 (Station ML: 1.3 magdef=0																									
MORH	0.42	74.2	Lg	08:21:13.913	-0.3					T__						854019	FDSN	HU	--	BUD	iLoc	HHN	???	_	
A266A	0.45	18.5	Lg	08:21:15.384	0.3					T__						854020	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	1.13	341.7	Sn	08:21:32.035	-5.1					T__						854021	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/28	08:29:06.60	1.20	0.96	47.3024	18.2916	8.8	5.3	79	0.0f	9	7	106	0.06	1.25	sx	BUD	19001476	BUD				139

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
CSKK	0.06	340.8	Pg	08:29:08.864	0.3				T__		2389.3			---	ML	1.9	854041	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.06	340.8	Lg	08:29:09.796	-0.8				T__					---		854042	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
MPLH	0.53	255.8	Lg	08:29:26.097	0.3				T__					---		854043	FDSN	HU	--	BUD	iLoc	HHN	???	_	
EGYH	0.66	280.3	Lg	08:29:29.610	-0.7				T__					---		854044	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MORH	1.11	167.3	Lg	08:29:44.194	-0.7				T__					---		854045	FDSN	HU	--	BUD	iLoc	HHN	???	_	
ET1H	1.22	61.1	Sn	08:29:47.561	-0.5				T__					---		854046	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOVH	1.22	186.3	Sn	08:29:48.162	0.3				T__					---		854047	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	1.25	59.8	Pn	08:29:31.869	1.5				T__		53.1			---	ML	1.9	854049	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.25	59.8	Sn	08:29:48.230	-1.1				T__					---		854048	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/03/28	09:04:23.93	1.29	0.86	47.8826	16.1020	11.4	6.3	41	0.0f	9	5	135	0.17	1.52	sx	BUD	19001478	BUD					202

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.8	3 BUD	19001478

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
CONA	0.17	285.9	Pg	09:04:27.060	-0.4				T__		264.8			---	ML	1.2	854113	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.17	285.9	Lg	09:04:29.653	-0.4				T__					---		854114	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
RONA	0.23	144.3	Pg	09:04:29.032	0.3				T__					---		854115	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.23	144.3	Lg	09:04:31.990	-0.1				T__					---		854119	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.74	212.0	Pg	09:04:37.504	-0.8				T__		64.0			---	ML	1.7	854116	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
ARSA	0.74	212.0	Lg	09:04:48.715	1.0				T__					---		854120	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
KRUC	1.20	9.3	Sn	09:05:03.944	-0.4				T__					---		854121	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
CKRC	1.52	308.8	Pg	09:04:53.499	1.1				T__		108.1			---	ML	2.4	854118	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
CKRC	1.52	308.8	Sn	09:05:13.511	1.0				T__					---		854117	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/03/29	07:16:03.21	0.91	0.67	46.8936	17.3319	4.7	3.4	25	0.0f	15	10	93	0.13	1.13	sx	BUD	19001486	BUD					148

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.3	4 BUD	19001486

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L



BADH	0.13	132.4	Lg	07:16:08.799	-0.3	T__										854483	FDSN	HU	--	BUD	iLoc	HHN	???	_
A261A	0.14	295.0	Pg	07:16:06.520	-0.1	T__	8885.0			---	ML	2.6	854481	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ				_
A261A	0.14	295.0	Lg	07:16:09.075	-0.4	T__				---			854482	FDSN	Z6	00	BUD	iLoc	HHN	???				_
(Reading ML: 2.6 magdef=1)																								
(Station ML: 2.6 magdef=1)																								
MPLH	0.31	27.1	Pg	07:16:09.293	-0.7	T__	399.5			---	ML	1.8	854484	FDSN	HU	--	BUD	iLoc	HHZ	HHZ				_
MPLH	0.31	27.1	Lg	07:16:14.765	-0.6	T__				---			854494	FDSN	HU	--	BUD	iLoc	HHN	???				_
(Reading ML: 1.8 magdef=1)																								
(Station ML: 1.8 magdef=1)																								
TIH	0.38	88.8	Pg	07:16:11.707	0.4	T__	437.5			---	ML	2.0	854486	FDSN	HU	--	BUD	iLoc	HHZ	HHZ				_
TIH	0.38	88.8	Lg	07:16:17.540	-0.1	T__				---			854485	FDSN	HU	--	BUD	iLoc	HHN	???				_
(Reading ML: 2.0 magdef=1)																								
(Station ML: 2.0 magdef=1)																								
EGYH	0.52	360.0	Lg	07:16:22.967	0.5	T__				---			854495	FDSN	HU	--	BUD	iLoc	HHN	???				_
CSKK	0.79	53.1	Lg	07:16:33.056	0.7	T__				---			854488	FDSN	HU	--	BUD	iLoc	HHN	???				_
KOGS	0.87	239.5	Lg	07:16:31.257	-0.4	T__				---			854487	FDSN	SL	--	BUD	iLoc	BHN	???				_
KOVH	0.96	146.4	Pg	07:16:23.000	0.3	T__	42.1			---	ML	1.7	854490	FDSN	HU	--	BUD	iLoc	HHZ	HHZ				_
KOVH	0.96	146.4	Lg	07:16:35.434	-1.0	T__				---			854489	FDSN	HU	--	BUD	iLoc	HHN	???				_
(Reading ML: 1.7 magdef=1)																								
(Station ML: 1.7 magdef=1)																								
RONA	1.07	319.2	Pg	07:16:25.987	1.4	T__				---			854491	FDSN	OE	--	BUD	iLoc	HHZ	???				_
RONA	1.07	319.2	Lg	07:16:39.018	0.3	T__				---			854492	FDSN	OE	--	BUD	iLoc	HHN	???				_
MORH	1.13	126.4	Sn	07:16:41.742	-0.1	T__				---			854493	FDSN	HU	--	BUD	iLoc	HHN	???				_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/03/29 08:22:22.22 1.47 0.12 48.4588 20.8554 16.3 5.9 20 0.0f 6 4 202 0.21 0.84 sx BUD 19001488 BUD 310

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.21	280.1	Pg	08:22:26.784	0.1					T__		92.2		---	ML	0.9	854520	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.21	280.1	Lg	08:22:30.042	-0.2					T__				---		854519	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
KECS	0.25	275.8	Pg	08:22:27.338	-0.0					T__	165.4			---	ML	1.2	854518	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.25	275.8	Lg	08:22:31.383	0.0					T__				---		854522	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
ABAH	0.30	122.3	Lg	08:22:34.066	-0.1					T__				---		854521	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	0.84	230.3	Lg	08:22:52.712	0.1					T__				---		854523	FDSN	GE	--	BUD	iLoc	HHN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/03/29 08:28:49.85 1.18 1.26 48.6635 17.6274 9.5 3.3 112 0.0f 12 7 210 0.20 1.39 sx BUD 19001490 BUD 221

Magnitude Err Nsta Author OrigID  
 ML 1.7 0.4 4 BUD 19001490

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JAVC	0.20	8.3	Pg	08:28:54.166	-0.2					T__		513.8		---	ML	1.6	854551	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.20	8.3	Lg	08:28:57.274	-0.9					T__				---		854552	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

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(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
MODS 0.37 218.9 Pg 08:28:58.722 0.9 T__ --- 854550 FDSN SK -- BUD iLoc HHZ ??? _
MODS 0.37 218.9 Lg 08:29:02.767 -1.2 T__ --- 854553 FDSN SK -- BUD iLoc HHN ??? _
KRUC 0.91 296.6 Lg 08:29:20.188 -0.3 T__ --- 854554 FDSN CZ -- BUD iLoc HHN ??? _
VRAC 0.94 313.8 Pg 08:29:08.011 0.4 T__ 16.7 --- ML 1.2 854556 FDSN CZ -- BUD iLoc HHZ HHZ _
VRAC 0.94 313.8 Lg 08:29:21.382 0.0 T__ --- 854555 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
MORC 1.12 357.2 Pg 08:29:11.388 0.8 T__ 47.3 --- ML 1.8 854557 FDSN CZ -- BUD iLoc HHZ HHZ _
MORC 1.12 357.2 Lg 08:29:27.995 1.8 T__ --- 854558 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
RONA 1.31 223.2 Pn 08:29:15.110 0.1 T__ --- 854559 FDSN OE -- BUD iLoc HHZ ??? _
CONA 1.39 238.7 Pn 08:29:14.731 -1.5 T__ 76.3 --- ML 2.2 854560 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 1.39 238.7 Lg 08:29:32.872 -2.2 T__ --- 854561 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1

```

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/03/29 09:16:04.30 1.07 0.65 48.5454 20.7603 7.4 3.8 6 0.0f 11 6 146 0.16 0.92 sx BUD 19001492 BUD 241

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Magnitude Err Nsta Author OrigID
ML 1.5 0.2 5 BUD 19001492

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
JOS 0.16 251.4 Pg 09:16:07.579 -0.0 T__ 437.1 --- ML 1.4 854614 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.16 251.4 Lg 09:16:11.029 0.8 T__ --- 854619 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
KECS 0.19 251.3 Pg 09:16:08.388 0.0 T__ 957.0 --- ML 1.8 854615 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.19 251.3 Lg 09:16:11.923 0.3 T__ --- 854620 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=0
ABAH 0.41 127.8 Pg 09:16:13.030 0.4 T__ 69.3 --- ML 1.3 854616 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.41 127.8 Lg 09:16:18.864 -0.8 T__ --- 854621 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=0
PSZ 0.85 223.0 Lg 09:16:34.863 -0.3 T__ --- 854622 FDSN GE -- BUD iLoc HHE ??? _
ET1H 0.89 222.1 Pn 09:16:22.162 -0.8 T__ 41.2 --- ML 1.6 854624 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.89 222.1 Lg 09:16:35.278 -0.8 T__ --- 854623 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
NIE 0.92 341.0 Pn 09:16:24.102 0.4 T__ 30.3 --- ML 1.5 854617 FDSN PL -- BUD iLoc BHZ BHZ _
NIE 0.92 341.0 Lg 09:16:34.449 -0.5 T__ --- 854618 FDSN PL -- BUD iLoc BHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1

```

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/03/29 09:27:32.52 0.94 0.82 48.8290 16.1425 6.4 4.0 108 0.0f 12 9 131 0.29 1.63 sx BUD 19001494 BUD 148

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Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KRUC	0.29	35.5	Pg	09:27:38.559	0.4					T__		107.3		_c	ML	1.1	854659	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	0.29	35.5	Lg	09:27:42.242	-0.3					T__						854660	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
VRAC	0.56	31.6	Lg	09:27:51.149	-0.5					T__						854661	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
TREC	0.63	317.5	Lg	09:27:52.429	-0.8					T__						854662	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
CONA	0.92	191.8	Pg	09:27:50.163	-0.6					T__		48.5			ML	1.7	854655	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.92	191.8	Lg	09:28:02.725	0.0					T__						854656	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
RONA	1.13	174.7	Pg	09:27:54.251	-0.7					T__						854658	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	1.13	174.7	Lg	09:28:09.453	-0.2					T__						854657	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CKRC	1.21	270.3	Lg	09:28:12.536	0.7					T__						854663	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
MORC	1.32	43.5	Lg	09:28:15.140	-0.2					T__						854664	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
PRU	1.56	318.6	Lg	09:28:22.282	0.1					T__						854665	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
ARSA	1.63	195.0	Lg	09:28:26.366	1.9					T__						854666	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/29	09:43:19.81	1.23	0.94	47.8845	16.0745	12.6	3.9	36	0.0f		7	5	130	0.15	1.50	sx	BUD	19001496	BUD			200

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.15	287.1	Pg	09:43:22.718	-0.3					T__		163.5			ML	0.9	854705	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.15	287.1	Lg	09:43:25.102	-0.2					T__						854706	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=0)																									
RONA	0.24	140.9	Pg	09:43:24.613	-0.2					T__						854708	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.24	140.9	Lg	09:43:28.530	0.2					T__						854707	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.74	210.7	Lg	09:43:43.818	0.5					T__						854709	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.20	10.1	Sn	09:44:00.340	0.1					T__						854710	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
CKRC	1.50	309.1	Lg	09:44:10.390	1.7					T__						854711	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/29	09:46:35.90	2.15	0.65	45.9708	22.8437	15.8	6.2	12	0.0f		8	4	240	0.10	0.93	sx	BUD	19001498	BUD			303

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.2	4 BUD	19001498

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DEV	0.10	154.6	Pg	09:46:37.260	-0.5					T__		435.5			ML	1.2	854749	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.10	154.6	Lg	09:46:38.921	-0.2					T__						854752	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
GZR	0.58	184.7	Pg	09:46:47.054	-0.0					T__		45.6			ML	1.5	854750	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	0.58	184.7	Lg	09:46:56.226	0.9					T__						854753	FDSN	RO	--	BUD	iLoc	HHN	???	_	

```

(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
LOT 0.83 128.5 Pg 09:46:52.449 0.5 T__ 60.0 ___ ML 1.7 854751 FDSN RO -- BUD iLoc HHZ HHZ _
LOT 0.83 128.5 Lg 09:47:04.993 0.9 T__ ___ 854754 FDSN RO -- BUD iLoc HHZ ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
BZS 0.93 248.0 Pg 09:46:53.978 -0.0 T__ 43.2 ___ ML 1.7 854756 FDSN RO -- BUD iLoc HHZ HHZ _
BZS 0.93 248.0 Lg 09:47:07.128 -0.0 T__ ___ 854755 FDSN RO -- BUD iLoc HHZ ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/03/29 11:28:10.64 1.36 0.84 46.0769 22.7756 9.2 6.5 37 0.0f 8 5 135 0.21 0.94 sx BUD 19001500 BUD 250

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Magnitude Err Nsta Author OrigID
ML 1.7 0.2 3 BUD 19001500

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```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
DEV 0.21 155.3 Pg 11:28:14.989 0.3 T__ 638.3 ___ ML 1.7 854783 FDSN RO -- BUD iLoc HHZ HHZ _
DEV 0.21 155.3 Lg 11:28:17.054 -0.7 T__ ___ 854785 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
GZR 0.68 179.9 Pg 11:28:24.442 0.7 T__ 98.6 ___ ML 1.9 854784 FDSN RO -- BUD iLoc HHZ HHZ _
GZR 0.68 179.9 Lg 11:28:33.278 -0.2 T__ ___ 854786 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
DRGR 0.72 356.5 Lg 11:28:36.492 -0.2 T__ ___ 854787 FDSN RO -- BUD iLoc HHN ??? _
BZS 0.93 240.8 Pg 11:28:28.782 -0.0 T__ 36.5 ___ ML 1.6 854790 FDSN RO -- BUD iLoc HHZ HHZ _
BZS 0.93 240.8 Lg 11:28:41.387 -0.6 T__ ___ 854789 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
LOT 0.94 131.8 Lg 11:28:40.861 -1.5 T__ ___ 854788 FDSN RO -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/03/30 08:08:12.81 1.48 1.77 48.4824 20.8044 13.0 6.0 17 0.0f 8 6 191 0.18 1.21 sx BUD 19001512 BUD 208

```

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
JOS 0.18 274.4 Pg 08:08:16.777 0.2 T__ 125.9 ___ ML 0.9 855020 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.18 274.4 Lg 08:08:19.332 -0.2 T__ ___ 855019 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=1
KECS 0.21 270.3 Pg 08:08:17.459 0.2 T__ 282.8 ___ ML 1.3 855018 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.21 270.3 Lg 08:08:20.366 -0.4 T__ ___ 855021 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
ABAH 0.34 122.6 Lg 08:08:26.073 -0.1 T__ ___ 855022 FDSN HU -- BUD iLoc HHN ??? _
PSZ 0.83 227.5 Lg 08:08:42.680 -0.2 T__ ___ 855023 FDSN GE -- BUD iLoc HHN ??? _
ET1H 0.87 226.3 Lg 08:08:43.875 0.1 T__ ___ 855024 FDSN HU -- BUD iLoc HHN ??? _

```

TRPA	1.21	106.3	Sn	08:08:50.494	-3.9				T__						855025	FDSN	HU	--	BUD	iLoc	HHN	???	_		
Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp			
2023/03/30	08:11:08.92	2.62	1.91	46.1146	18.0328	19.1	8.3	86	0.0f		6	4	222	0.05	1.11	sx	BUD	19001514	BUD			265			
Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
KOVH	0.05	119.4	Pg	08:11:10.938	0.2					T__		954.0		---	ML	1.4	855045	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.05	119.4	Lg	08:11:11.905	-0.5					T__				---		855046	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.4 magdef=1)																					
				(Station ML: 1.4 magdef=1)																					
MORH	0.44	76.5	Pg	08:11:18.300	0.2					T__		29.9		---	ML	1.0	855044	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.44	76.5	Lg	08:11:25.007	-0.1					T__				---		855049	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.0 magdef=1)																					
				(Station ML: 1.0 magdef=1)																					
A266A	0.44	21.3	Lg	08:11:25.244	-0.1					T__				---		855047	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	1.11	342.3	Sn	08:11:43.896	-3.2					T__				---		855048	FDSN	HU	--	BUD	iLoc	HHN	???	_	
Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp			
2023/03/30	09:43:18.43	1.65	1.29	47.2146	18.2397	16.6	5.5	119	0.0f		5	4	179	0.15	1.13	sx	BUD	19001516	BUD			280			
2023/03/30	09:43:18.39	1.05	1.36	47.2302	18.2835f				0.0f		5	4	193	0.13	1.15	kx	BUD_GT	19001517	BUD_GT			282			
(locality: Iszkaszentgyörgy Hungary)																									
(GT info : GT2 explosion)																									
Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
CSKK	0.13	353.3	Pg	09:43:22.417	0.7					T__		236.5		---	ML	1.0	855067	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.13	353.3	Lg	09:43:24.567	-0.3					T__				---		855066	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.0 magdef=1)																					
				(Station ML: 1.0 magdef=0)																					
TIH	0.42	219.1	Lg	09:43:32.647	-1.4					T__				---		855068	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MPLH	0.51	263.5	Lg	09:43:35.969	-1.1					T__				---		855069	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOVH	1.15	186.4	Sn	09:43:55.898	-1.9					T__				---		855070	FDSN	HU	--	BUD	iLoc	HHN	???	_	
Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp			
2023/03/30	11:00:51.42	0.94	1.03	48.8396	20.9415	4.8	4.4	111	0.0f		13	7	119	0.44	1.20	sx	BUD	19001518	BUD			222			
Magnitude	Err	Nsta	Author	OrigID																					
ML	1.9	0.2	6	BUD	19001518																				
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
JOS	0.44	217.9	Pg	11:01:00.383	0.2					T__		148.4		---	ML	1.7	855118	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.44	217.9	Lg	11:01:07.409	0.6					T__				---		855117	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.7 magdef=1)																					
				(Station ML: 1.7 magdef=0)																					
KECS	0.47	220.4	Pg	11:01:00.851	0.0					T__		304.1		---	ML	2.1	855115	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.47	220.4	Lg	11:01:07.963	0.0					T__				---		855116	FDSN	SK	--	BUD	iLoc	EHN	???	_	

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(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
ABAH 0.58 159.9 Pg 11:01:03.193 0.2 T__ 129.9 ___ ML 1.9 855119 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.58 159.9 Lg 11:01:10.518 -2.2 T__ ___ 855120 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
NIE 0.72 324.2 Pg 11:01:05.322 0.3 T__ 61.2 ___ ML 1.7 855124 FDSN PL -- BUD iLoc BHZ BHZ _
NIE 0.72 324.2 Lg 11:01:13.498 -1.7 T__ ___ 855125 FDSN PL -- BUD iLoc BHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
KOLS 0.88 83.4 Pg 11:01:08.814 0.5 T__ ___ 855127 FDSN SK -- BUD iLoc HHZ ??? _
KOLS 0.88 83.4 Lg 11:01:22.271 -0.2 T__ ___ 855126 FDSN SK -- BUD iLoc HHN ??? _
PSZ 1.16 217.5 Pn 11:01:14.648 0.6 T__ 96.5 _c_ ML 2.1 855122 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 1.16 217.5 Sn 11:01:31.341 -0.7 T__ ___ 855121 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=0
ET1H 1.20 217.0 Pn 11:01:15.457 1.1 T__ 48.8 ___ ML 1.9 855123 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/03/30 11:08:04.37 1.14 0.87 47.5546 18.4807 8.2 5.1 125 0.0f 6 5 104 0.24 1.34 sx BUD 19001520 BUD 198
2023/03/30 11:08:04.48 1.01 0.71 47.5600 18.4573f 0.0f 6 5 103 0.24 1.35 kx BUD_GT 19001521 BUD_GT 195
(locality: Tatabánya Hungary)
(GT info : GT2 explosion)

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CSKK 0.24 214.2 Pg 11:08:10.262 0.5 T__ 317.6 ___ ML 1.5 855153 FDSN HU -- BUD iLoc HHZ HHZ _
CSKK 0.24 214.2 Lg 11:08:13.456 -0.9 T__ ___ 855154 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=0
SRO 0.27 339.1 Lg 11:08:15.303 -0.1 T__ ___ 855155 FDSN SK -- BUD iLoc EHN ??? _
MPLH 0.74 238.3 Lg 11:08:30.214 -0.2 T__ ___ 855156 FDSN HU -- BUD iLoc HHN ??? _
ET1H 1.01 71.0 Lg 11:08:39.385 -1.1 T__ ___ 855157 FDSN HU -- BUD iLoc HHN ??? _
MORH 1.35 174.5 Sn 11:08:49.315 0.3 T__ ___ 855158 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/03/30 11:33:56.24 1.83 1.05 47.9276 16.0984 16.2 4.4 29 0.0f 6 4 139 0.16 1.15 sx BUD 19001522 BUD 239

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CONA 0.16 270.3 Pg 11:33:59.829 0.2 T__ 237.2 ___ ML 1.1 855174 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.16 270.3 Lg 11:34:01.533 -0.5 T__ ___ 855175 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=0
RONA 0.26 149.6 Pg 11:34:01.809 0.0 T__ ___ 855177 FDSN OE -- BUD iLoc HHZ ??? _

```

RONA	0.26	149.6	Lg	11:34:05.450	-0.2	T__	---	855176	FDSN	OE	--	BUD	iLoc	HHN	???	_
ARSA	0.78	210.1	Lg	11:34:21.376	0.2	T__	---	855178	FDSN	OE	--	BUD	iLoc	HHN	???	_
KRUC	1.15	9.8	Sn	11:34:37.303	1.7	T__	---	855179	FDSN	CZ	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/30	11:41:18.56	1.22	0.37	47.8751	16.0599	12.8	4.0	35	0.0f	6	4	127	0.14	1.21	sx	BUD	19001524	BUD				205

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.14	291.8	Pg	11:41:21.781	0.1					T__		97.9		---	ML	0.7	855195	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.14	291.8	Lg	11:41:23.612	-0.3					T__				---		855196	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.7 magdef=1)																									
(Station ML: 0.7 magdef=0)																									
RONA	0.24	137.7	Pg	11:41:23.484	-0.1					T__				---		855198	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.24	137.7	Lg	11:41:27.317	0.3					T__				---		855197	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.72	210.4	Lg	11:41:41.639	-0.0					T__				---		855199	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.21	10.5	Sn	11:41:58.757	-0.5					T__				---		855200	FDSN	CZ	--	BUD	iLoc	HHE	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/03/30	15:13:21.79	1.05	0.51	46.3571	21.4540	14.4	5.1	74	10.0f	8	4	168	0.59	1.34	ke	BUD	19001528	BUD					251

Magnitude Err Nsta Author OrigID  
ML 1.8 0.3 4 BUD 19001528

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU24A	0.59	339.9	Pg	15:13:34.100	0.0					T__		309.3		---	ML	2.3	855294	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU24A	0.59	339.9	Lg	15:13:42.262	-0.1					T__				---		855293	FDSN	Z6	00	BUD	iLoc	HHZ	???	_	
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=1)																									
BZS	0.75	171.2	Pg	15:13:36.879	0.4					T__		35.3		---	ML	1.5	855288	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.75	171.2	Lg	15:13:45.742	-0.7					T__				---		855290	FDSN	RO	--	BUD	iLoc	HHE	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
DRGR	0.97	62.9	Pn	15:13:40.709	0.4					T__		47.5		---	ML	1.7	855287	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	0.97	62.9	Lg	15:13:53.530	-0.5					T__				---		855291	FDSN	RO	--	BUD	iLoc	HHE	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
GZR	1.34	135.7	Pg	15:13:47.406	0.2					T__		49.0		---	ML	1.9	855292	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	1.34	135.7	Sn	15:14:03.374	-0.4					T__				---		855289	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/03/31	06:59:05.57	1.98	1.18	47.7940	19.1707	48.7	5.6	155	0.0f	7	5	176	0.48	1.15	sx	BUD	19001548	BUD					331
2023/03/31	06:59:05.29	1.03	0.83	47.8327	19.1394f				0.0f	7	5	181	0.50	1.15	kx	BUD_GT	19001549	BUD_GT					329

(locality: Sejce-Vác Hungary)  
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.2	3 BUD	19001549
ML	1.9	0.2	3 BUD_GT	

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ET1H	0.50	84.3	Pg	06:59:16.107	0.1					T__		59.0		---	ML	1.4	856123	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.50	84.3	Lg	06:59:23.788	0.1					T__				---		856125	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.4 magdef=1																					
				(Station ML: 1.4 magdef=1																					
PSZ	0.52	80.1	Lg	06:59:23.692	-1.1					T__				---		856126	FDSN	GE	--	BUD	iLoc	HHN	???	_	
CSKK	0.76	232.0	Lg	06:59:32.869	-0.2					T__				---		856127	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KECS	1.11	53.7	Pg	06:59:28.014	0.6					T__		80.6		---	ML	2.0	856129	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	1.11	53.7	Sn	06:59:42.748	-1.5					T__				---		856128	FDSN	SK	--	BUD	iLoc	EHN	???	_	
				(Reading ML: 2.0 magdef=1																					
				(Station ML: 2.0 magdef=1																					
JOS	1.15	54.2	Pg	06:59:28.530	0.5					T__		57.7		---	ML	1.9	856124	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 1.9 magdef=1																					
				(Station ML: 1.9 magdef=1																					

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/31	07:37:08.34	3.23	0.82	45.8581	18.5083	22.1	6.7	165	0.0f		6	4	266	0.37	0.69	sx	BUD	19001550	BUD			303

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOVH	0.37	309.1	Pg	07:37:16.522	0.2					T__		64.9		---	ML	1.1	856151	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.37	309.1	Lg	07:37:21.121	-0.9					T__				---		856150	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.1 magdef=1																					
				(Station ML: 1.1 magdef=1																					
MORH	0.37	14.7	Pg	07:37:15.841	-0.4					T__		46.3		---	ML	1.0	856152	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.37	14.7	Lg	07:37:22.739	0.3					T__				---		856153	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.0 magdef=1																					
				(Station ML: 1.0 magdef=1																					
HU22A	0.64	42.5	Lg	07:37:32.953	0.7					T__				---		856154	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A266A	0.69	345.9	Lg	07:37:33.635	0.6					T__				---		856155	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/31	07:54:56.58	0.90	0.86	47.1110	18.0475	4.2	3.9	41	0.0f		12	7	109	0.24	1.02	sx	BUD	19001552	BUD			198

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.1	5 BUD	19001552

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
TIH	0.24	206.7	Lg	07:55:05.823	-0.2					T__				---		856183	FDSN	HU	--	BUD	iLoc	HHN	???	_	
CSKK	0.29	29.8	Pg	07:55:03.760	0.8					T__		162.9		---	ML	1.3	856184	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.29	29.8	Lg	07:55:07.220	-1.3					T__				---		856185	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.3 magdef=1																					
				(Station ML: 1.3 magdef=0																					
A267A	0.34	118.8	Pg	07:55:04.479	0.7					T__		329.6		---	ML	1.8	856187	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A267A	0.34	118.8	Lg	07:55:08.482	-1.4					T__				---		856186	FDSN	Z6	00	BUD	iLoc	HHN	???	_	



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(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
MPLH 0.35 279.9 Pg 07:55:04.609 0.4 T__ 117.7 ___ ML 1.3 856188 FDSN HU -- BUD iLoc HHZ HHZ _
MPLH 0.35 279.9 Lg 07:55:09.038 -1.0 T__ ___ 856189 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
A266A 0.60 165.6 Lg 07:55:18.318 0.3 T__ ___ 856190 FDSN Z6 00 BUD iLoc HHN ??? _
MORH 0.99 155.2 Pg 07:55:16.291 0.1 T__ ___ ML 1.7 856192 FDSN HU -- BUD iLoc HHZ HHZ _
MORH 0.99 155.2 Lg 07:55:29.918 -0.8 T__ ___ 856191 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
KOVH 1.02 178.0 Pn 07:55:16.908 -0.1 T__ ___ ML 1.8 856194 FDSN HU -- BUD iLoc HHZ HHZ _
KOVH 1.02 178.0 Lg 07:55:31.983 -0.3 T__ ___ 856193 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=0

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/31	08:30:13.72	2.59	1.09	48.5726	20.8269	23.7	4.3	8	0.0f	7	4	246	0.21	0.90	sx	BUD	19001554	BUD				335

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.2	3 BUD	19001554

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.21	248.2	Pg	08:30:18.321	0.3					T__		134.6		___	ML	1.0	856221	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.21	248.2	Lg	08:30:20.833	-0.6					T__				___		856225	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1 (Station ML: 1.0 magdef=1																									
KECS	0.24	248.6	Pg	08:30:18.922	0.1					T__		379.0		___	ML	1.6	856223	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.24	248.6	Lg	08:30:22.494	-0.2					T__				___		856222	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=1																									
ABAH	0.39	135.0	Pg	08:30:21.206	-0.6					T__		101.8		___	ML	1.4	856224	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.39	135.0	Lg	08:30:30.532	2.0					T__				___		856226	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1 (Station ML: 1.4 magdef=1																									
PSZ	0.90	223.9	Lg	08:30:45.958	-0.3					T__				___		856227	FDSN	GE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/03/31	09:15:28.03	1.55	0.85	47.8939	20.1094	15.2	3.8	155	0.0f	10	5	203	0.15	0.86	sx	BUD	19001556	BUD					239

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.0	5 BUD	19001556

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.15	279.7	Pg	09:15:32.001	0.2					T__		690.3		___	ML	1.5	856255	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.15	279.7	Lg	09:15:34.599	-0.3					T__				___		856260	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1 (Station ML: 1.5 magdef=1																									
ET1H	0.16	264.8	Pg	09:15:32.129	0.2					T__		449.1		___	ML	1.4	856256	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.16	264.8	Lg	09:15:34.471	-0.5					T__				___		856261	FDSN	HU	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.4 magdef=1  
 (Station ML: 1.4 magdef=0  
 KECS 0.64 23.0 Pg 09:15:40.539 -0.4 T\_\_ 87.5 \_\_\_ ML 1.8 856257 FDSN SK -- BUD iLoc EHZ EHZ \_  
 KECS 0.64 23.0 Lg 09:15:51.738 1.0 T\_\_ \_\_\_ 856262 FDSN SK -- BUD iLoc EHE ??? \_  
 (Reading ML: 1.8 magdef=1  
 (Station ML: 1.8 magdef=1  
 JCS 0.67 25.4 Pg 09:15:40.709 -0.7 T\_\_ 48.1 \_\_\_ ML 1.6 856258 FDSN Z6 -- BUD iLoc HHZ HHZ \_  
 JCS 0.67 25.4 Lg 09:15:52.079 0.5 T\_\_ \_\_\_ 856263 FDSN Z6 -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.6 magdef=1  
 (Station ML: 1.6 magdef=1  
 ABAH 0.86 61.6 Pg 09:15:45.734 0.6 T\_\_ 108.7 \_\_\_ ML 2.0 856259 FDSN HU -- BUD iLoc HHZ HHZ \_  
 ABAH 0.86 61.6 Lg 09:15:57.444 -1.5 T\_\_ \_\_\_ 856264 FDSN HU -- BUD iLoc HHN ??? \_  
 (Reading ML: 2.0 magdef=1  
 (Station ML: 2.0 magdef=0

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/31	09:26:17.15	1.05	0.88	48.2260	21.1837	8.6	5.0	1	0.0f	15	10	105	0.08	1.77	sx	BUD	19001560	BUD				153
2023/03/31	09:26:16.86	0.90	1.09	48.2470	21.2460f				0.0f	15	10	103	0.05	1.76	kx	BUD_GT	19001561	BUD_GT				151

(locality: Táillya Hungary)  
 (GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.1	5 BUD_GT	19001561

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
ABAH	0.05	355.1	Pg	09:26:18.821	0.4					T__		11492.3		___	ML	2.5 856320	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.05	355.1	Lg	09:26:19.620	-0.4					T__				___		856325	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Reading ML: 2.5 magdef=1 (Station ML: 2.5 magdef=0																								
JCS	0.53	298.1	Pg	09:26:28.041	0.5					T__		133.1		___	ML	1.9 856321	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JCS	0.53	298.1	Lg	09:26:35.301	-0.5					T__				___		856326	FDSN	Z6	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1 (Station ML: 1.9 magdef=1																								
KECS	0.56	295.3	Lg	09:26:35.975	-0.7					T__				___		856327	FDSN	SK	--	BUD	iLoc	EHN	???	_
TRPA	0.87	97.2	Pn	09:26:35.152	-0.1					T__		127.4		___	ML	2.1 856322	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.1 magdef=1 (Station ML: 2.1 magdef=1																								
PSZ	0.96	250.6	Pn	09:26:36.962	0.3					T__		96.6		___	ML	2.0 856323	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.96	250.6	Lg	09:26:49.332	-2.3					T__				___		856328	FDSN	GE	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.0 magdef=1 (Station ML: 2.0 magdef=1																								
KOLS	0.97	44.4	Pn	09:26:37.456	0.7					T__				___		856329	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ET1H	0.99	248.7	Pn	09:26:37.430	0.5					T__		70.0		___	ML	1.9 856324	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.99	248.7	Lg	09:26:49.971	-2.2					T__				___		856330	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1 (Station ML: 1.9 magdef=0																								
NIE	1.33	332.3	Lg	09:27:01.102	-0.3					T__				___		856331	FDSN	PL	--	BUD	iLoc	BHN	???	_
MEZ	1.54	79.1	Pg	09:26:48.005	1.5					T__				___		856333	FDSN	UA	--	BUD	iLoc	BHZ	???	_
MEZ	1.54	79.1	Lg	09:27:08.700	-0.3					T__				___		856332	FDSN	UA	--	BUD	iLoc	BHN	???	_
DRGR	1.76	145.2	Sn	09:27:13.331	1.4					T__				___		856334	FDSN	RO	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/03/31	12:05:47.42	0.89	0.86	47.9419	16.9884	5.8	3.2	132	4.1	15.6	17	11	98	0.27	1.99	ke	BUD	19001562	BUD			170

Magnitude	Err	Nsta	Author	OrigID
ML	2.2	0.3	8 BUD	19001562

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ZST	0.27	16.7	Pg	12:05:53.026	0.0					T__						856422	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
ZST	0.27	16.7	Lg	12:05:56.699	-0.6					T__						856421	FDSN	SK	--	BUD	iLoc	HHN	???	_	
SOP	0.39	228.4	Pg	12:05:55.166	-0.1					T__	174.1			_d	ML	1.6	856425	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.39	228.4	Lg	12:06:00.830	0.2					T__						856419	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=0)																									
RONA	0.53	242.8	Pg	12:05:57.721	-0.3					T__						856418	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.53	242.8	Lg	12:06:04.833	-0.2					T__						856417	FDSN	OE	--	BUD	iLoc	HHN	???	_	
A260A	0.69	196.3	Pg	12:06:00.819	-0.3					T__	585.6			---	ML	2.6	856426	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.6 magdef=1)																									
(Station ML: 2.6 magdef=1)																									
CONA	0.76	269.4	Pg	12:06:02.725	0.3					T__	90.8			---	ML	1.9	856415	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.76	269.4	Lg	12:06:13.264	0.8					T__						856416	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
SRO	0.90	97.7	Pg	12:06:05.419	0.1					T__	767.8			---	ML	2.9	856427	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Reading ML: 2.9 magdef=1)																									
(Station ML: 2.9 magdef=0)																									
JAVC	1.02	26.1	Pn	12:06:07.617	-0.4					T__	111.1			---	ML	2.1	856428	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
KRUC	1.19	340.8	Pn	12:06:10.347	0.3					T__	116.3			---	ML	2.2	856423	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.19	340.8	Sn	12:06:26.891	0.0					T__						856424	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
ARSA	1.21	235.6	Pn	12:06:10.632	0.2					T__	74.0			---	ML	2.0	856429	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
ARSA	1.21	235.6	Sn	12:06:27.743	0.9					T__						856420	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
MORC	1.87	11.1	Pn	12:06:21.875	2.2					T__	81.9			---	ML	2.5	856430	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.5 magdef=1)																									
(Station ML: 2.5 magdef=1)																									
CKRC	1.99	297.2	Lg	12:06:50.623	-1.5					T__						856431	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/04/03	08:07:02.15	1.97	1.22	48.0154	20.6994	12.8	6.1	142	0.0f		7	5	204	0.46	0.57	sx	BUD	19001600	BUD			269		
2023/04/03	08:07:02.80	1.03	1.11	48.0471	20.6805f				0.0f		7	5	196	0.45	0.57	kx	BUD_GT	19001601	BUD_GT			264		
(locality: Miskolc-Mexikövölgy Hungary)																								
(GT info : GT2 explosion)																								

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.45	56.1	Lg	08:07:18.375	-1.5					T__						861848	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KECS	0.46	343.5	Pg	08:07:13.019	0.9					T__	170.2			---	ML	1.8	861847	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_

KECS	0.46	343.5	Lg	08:07:18.674	-0.5	T__	---	861849	FDSN	SK	--	BUD	iLoc	EHN	???	_			
(Reading ML: 1.8 magdef=1)																			
(Station ML: 1.8 magdef=0)																			
JOS	0.46	348.2	Pg	08:07:12.785	0.7	T__	50.3	---	ML	1.3	861846	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.46	348.2	Lg	08:07:18.897	-0.4	T__	---	861850	FDSN	Z6	--	BUD	iLoc	HHN	???	_			
(Reading ML: 1.3 magdef=1)																			
(Station ML: 1.3 magdef=0)																			
PSZ	0.54	256.6	Lg	08:07:21.660	-1.6	T__	---	861851	FDSN	GE	--	BUD	iLoc	HHN	???	_			
ET1H	0.57	253.1	Lg	08:07:22.708	-1.0	T__	---	861852	FDSN	HU	--	BUD	iLoc	HHN	???	_			

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/03	08:19:36.01	3.25	0.99	48.1414	21.2672	20.7	8.5	141	0.0f	6	4	263	0.16	0.95	sx	BUD	19001602	BUD				310

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
ABAH	0.16	353.2	Pg	08:19:39.858	0.2					T__		221.8		---	ML	1.1	861871	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ABAH	0.16	353.2	Lg	08:19:42.029	-0.9					T__				---		861874	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.1 magdef=1)																										
(Station ML: 1.1 magdef=1)																										
JOS	0.60	306.4	Pg	08:19:48.332	0.3					T__		30.6		---	ML	1.3	861872	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_	
JOS	0.60	306.4	Lg	08:19:57.700	0.4					T__				---		861873	FDSN	Z6	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.3 magdef=1)																										
(Station ML: 1.3 magdef=1)																										
KECS	0.62	303.5	Lg	08:19:58.133	0.1					T__				---		861875	FDSN	SK	--	BUD	iLoc	EHN	???	_		
PSZ	0.95	256.9	Lg	08:20:08.873	-1.4					T__				---		861876	FDSN	GE	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/04/03	09:07:30.89	1.11	0.86	48.3834	17.3399	9.4	3.5	119	0.0f	8	5	195	0.25	1.09	sx	BUD	19001604	BUD					262

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
ZST	0.25	220.3	Pg	09:07:36.323	0.0					T__				---		861897	FDSN	SK	--	BUD	iLoc	HHZ	???	_		
ZST	0.25	220.3	Lg	09:07:40.198	-0.4					T__				---		861900	FDSN	SK	--	BUD	iLoc	HHN	???	_		
JAVC	0.52	24.6	Pg	09:07:42.264	0.4					T__		75.7		---	ML	1.6	861903	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_	
JAVC	0.52	24.6	Lg	09:07:49.630	-0.7					T__				---		861898	FDSN	CZ	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.6 magdef=1)																										
(Station ML: 1.6 magdef=1)																										
KRUC	0.92	317.7	Pg	09:07:49.365	0.8					T__		40.9		---	ML	1.6	861904	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_	
KRUC	0.92	317.7	Lg	09:08:00.862	-1.4					T__				---		861901	FDSN	CZ	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.6 magdef=1)																										
(Station ML: 1.6 magdef=1)																										
RONA	0.98	226.1	Lg	09:08:03.077	-0.0					T__				---		861902	FDSN	OE	--	BUD	iLoc	HHN	???	_		
CONA	1.09	245.8	Lg	09:08:07.074	0.6					T__				---		861899	FDSN	OE	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/04/04	07:59:23.95	1.54	1.37	48.1452	21.3475	10.5	6.0	174	0.0f	10	7	164	0.17	1.03	sx	BUD	19001618	BUD					217

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.17	334.5	Pg	07:59:27.764	-0.0					T__		297.0		---	ML	1.2	862289	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.17	334.5	Lg	07:59:30.787	-0.4					T__				---		862294	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.2 magdef=1)																					
				(Station ML: 1.2 magdef=1)																					
JOS	0.64	303.3	Pg	07:59:38.495	1.7					T__		33.0		---	ML	1.4	862291	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.64	303.3	Lg	07:59:45.819	-0.8					T__				---		862290	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.4 magdef=1)																					
				(Station ML: 1.4 magdef=1)																					
KECS	0.67	300.8	Lg	07:59:46.841	-0.6					T__				---		862292	FDSN	SK	--	BUD	iLoc	EHN	???	_	
TRPA	0.80	90.6	Lg	07:59:51.902	-1.2					T__				---		862295	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOLS	1.00	37.6	Pg	07:59:43.690	0.6					T__				---		862293	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	1.00	37.6	Lg	07:59:58.637	-0.7					T__				---		862297	FDSN	SK	--	BUD	iLoc	HHN	???	_	
PSZ	1.00	257.4	Lg	07:59:58.244	-1.8					T__				---		862296	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	1.03	255.5	Lg	07:59:58.502	-1.9					T__				---		862298	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/04	09:03:55.82	1.26	1.46	47.1260	17.9488	9.7	6.8	170	0.0f		4	3	127	0.28	1.03	sx	BUD	19001620	BUD			249

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MPLH	0.28	279.1	Pg	09:04:02.628	0.6					T__		97.8		---	ML	1.1	862314	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.28	279.1	Lg	09:04:05.864	-1.1					T__				---		862315	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.1 magdef=1)																					
				(Station ML: 1.1 magdef=0)																					
CSKK	0.32	41.7	Lg	09:04:08.193	-0.5					T__				---		862316	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MORH	1.03	152.1	Lg	09:04:30.817	-0.6					T__				---		862317	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/04	09:12:22.50	1.30	0.78	48.4941	20.8204	11.1	5.5	8	0.0f		8	6	154	0.19	1.06	sx	BUD	19001622	BUD			214

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.19	270.6	Pg	09:12:26.838	0.4					T__		217.5		---	ML	1.2	862336	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.19	270.6	Lg	09:12:29.414	-0.1					T__				---		862337	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.2 magdef=1)																					
				(Station ML: 1.2 magdef=1)																					
KECS	0.22	267.3	Pg	09:12:27.232	0.1					T__		701.3		---	ML	1.8	862338	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.22	267.3	Lg	09:12:30.596	-0.2					T__				---		862339	FDSN	SK	--	BUD	iLoc	EHN	???	_	
				(Reading ML: 1.8 magdef=1)																					
				(Station ML: 1.8 magdef=1)																					
ABAH	0.34	125.2	Lg	09:12:35.986	0.2					T__				---		862340	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	0.85	227.4	Lg	09:12:52.492	-0.6					T__				---		862341	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	0.88	226.3	Lg	09:12:53.765	-0.2					T__				---		862342	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOLS	1.06	64.9	Lg	09:12:57.631	-1.5					T__				---		862343	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/04	09:38:19.85	0.95	1.07	48.6123	21.3252	4.8	4.3	153	0.0f	14	8	102	0.32	1.46	sx	BUD	19001624	BUD				164

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.1	5 BUD	19001624

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.32	190.2	Pg	09:38:27.295	0.7					T__		129.1		___	ML	1.3	862375	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.32	190.2	Lg	09:38:31.682	-0.6					T__				---		862377	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1 Station ML: 1.3 magdef=0)																									
JOS	0.53	257.7	Pg	09:38:30.447	-0.1					T__		73.7		___	ML	1.7	862373	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.53	257.7	Lg	09:38:38.410	-0.3					T__				---		862378	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=1)																									
KECS	0.57	257.3	Pg	09:38:31.213	-0.1					T__		50.5		___	ML	1.5	862374	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.57	257.3	Lg	09:38:39.006	-1.0					T__				---		862379	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=1)																									
KOLS	0.70	62.5	Pg	09:38:33.513	0.1					T__				---		862376	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.70	62.5	Lg	09:38:43.775	-1.1					T__				---		862380	FDSN	SK	--	BUD	iLoc	HHN	???	_	
TRPA	0.94	120.3	Lg	09:38:51.332	-1.9					T__				---		862381	FDSN	HU	--	BUD	iLoc	HHN	???	_	
NIE	1.05	320.5	Pg	09:38:40.769	1.1					T__		22.6		___	ML	1.4	862383	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	1.05	320.5	Lg	09:38:55.333	-0.1					T__				---		862382	FDSN	PL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.4 magdef=1 Station ML: 1.4 magdef=1)																									
ET1H	1.22	233.5	Pn	09:38:43.946	0.9					T__		33.8		___	ML	1.7	862385	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	1.22	233.5	Sn	09:39:01.234	-0.2					T__				---		862384	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=0)																									
MEZ	1.46	93.1	Sn	09:39:06.576	-1.9					T__				---		862386	FDSN	UA	--	BUD	iLoc	BHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/04	09:48:39.49	1.14	2.36	47.8331	16.0010	10.3	5.7	48	0.0f	5	4	111	0.13	1.26	sx	BUD	19001626	BUD				197

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.13	315.5	Pg	09:48:42.700	0.3					T__		181.8		___	ML	0.9	862409	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.13	315.5	Lg	09:48:44.020	-0.5					T__				---		862411	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1 Station ML: 0.9 magdef=0)																									
RONA	0.24	123.7	Lg	09:48:47.906	-0.2					T__				---		862412	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.67	209.2	Lg	09:49:00.582	-0.2					T__				---		862410	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.26	11.9	Sn	09:49:18.061	-3.3					T__				---		862413	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/04	11:00:13.15	0.91	0.75	48.8660	20.9200	4.8	4.1	90	0.0f	16	8	113	0.45	1.54	sx	BUD	19001630	BUD				187

Magnitude Err Nsta Author OrigID  
 ML 1.9 0.1 7 BUD 19001630

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
JOS	0.45	214.4	Pg	11:00:22.579	0.4					T__		144.7		---	ML	1.7 862494	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.45	214.4	Lg	11:00:28.924	-0.0					T__				---		862503	FDSN	Z6	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=1)																								
KECS	0.48	217.1	Pg	11:00:22.920	0.1					T__		206.9		---	ML	1.9 862495	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.48	217.1	Lg	11:00:29.946	-0.1					T__				---		862504	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=1)																								
ABAH	0.61	159.5	Pg	11:00:25.294	-0.0					T__		119.8		---	ML	1.9 862496	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.61	159.5	Lg	11:00:34.620	-0.9					T__				---		862505	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=1)																								
NIE	0.69	323.8	Pg	11:00:26.593	0.4					T__		61.7		---	ML	1.7 862500	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.69	323.8	Lg	11:00:35.110	-0.8					T__				---		862501	FDSN	PL	--	BUD	iLoc	BHN	???	_
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=0)																								
KOLS	0.90	85.2	Pg	11:00:30.851	0.6					T__				---		862502	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	0.90	85.2	Lg	11:00:43.584	-1.0					T__				---		862506	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	1.17	216.2	Pn	11:00:36.046	0.1					T__		73.5		---	ML	2.0 862497	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.17	216.2	Sn	11:00:52.782	-1.3					T__				---		862507	FDSN	GE	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.0 magdef=1 Station ML: 2.0 magdef=1)																								
ET1H	1.21	215.7	Pn	11:00:37.239	0.9					T__		43.8		---	ML	1.8 862499	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	1.21	215.7	Sn	11:00:53.335	-1.2					T__				---		862498	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=1)																								
OJC	1.54	332.1	Pg	11:00:42.962	-0.5					T__		53.4		---	ML	2.1 862508	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
OJC	1.54	332.1	Sn	11:01:03.573	0.0					T__				---		862509	FDSN	PL	--	BUD	iLoc	BHN	???	_
(Reading ML: 2.1 magdef=1 Station ML: 2.1 magdef=0)																								

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/04/04 14:27:28.49 3.89 0.76 47.3443 16.4120 30.6 6.7 124 0.0f 7 4 261 0.36 1.72 sx BUD 19001634 BUD 328

Magnitude Err Nsta Author OrigID  
 ML 1.7 0.2 3 BUD 19001634

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
RONA	0.36	347.6	Pg	14:27:36.046	-0.0					T__				---		863970	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.36	347.6	Lg	14:27:40.673	-0.6					T__				---		863973	FDSN	OE	--	BUD	iLoc	HHN	???	_
ARSA	0.61	261.5	Pg	14:27:40.116	-0.2					T__		69.8		---	ML	1.7 863971	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
ARSA	0.61	261.5	Lg	14:27:48.173	0.1					T__				---		863974	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=1)																								
CONA	0.69	327.7	Pg	14:27:42.941	0.7					T__		47.0		---	ML	1.6 863975	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1 Station ML: 1.6 magdef=1)																								
KRUC	1.72	359.6	Pn	14:27:59.862	0.7					T__		35.5		---	ML	2.0 863976	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_

KRUC 1.72 359.6 Sn 14:28:22.700 1.0 T\_\_ --- 863972 FDSN CZ -- BUD iLoc HHN ??? \_  
 (Reading ML: 2.0 magdef=1  
 (Station ML: 2.0 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/05	07:43:13.11	1.60	1.10	46.9000	17.2833	13.1	6.8	130	0.0f	7	5	154	0.32	1.16	sx	BUD	19001646	BUD				247
2023/04/05	07:43:13.74	1.15	0.84	46.8902	17.3220f				0.0f	7	5	148	0.32	1.13	kx	BUD_GT	19001647	BUD_GT				241

(locality: Uzsa Hungary)  
 (GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
MPLH	0.32	27.9	Lg	07:43:25.923	-0.2					T__						865998	FDSN	HU	--	BUD	iLoc	HHN	???	_	
CSKK	0.80	53.2	Lg	07:43:42.275	-0.8					T__						866000	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOGS	0.86	239.5	Lg	07:43:40.401	-1.6					T__						865999	FDSN	SL	--	BUD	iLoc	BHN	???	_	
KOVH	0.97	145.9	Pn	07:43:33.162	-0.2					T__	37.7			---	ML	1.6	866002	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.97	145.9	Lg	07:43:46.789	-0.2					T__						866001	FDSN	HU	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.6 magdef=1  
 (Station ML: 1.6 magdef=0

MORH	1.13	126.0	Pg	07:43:37.335	0.9					T__	31.5			---	ML	1.6	866004	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	1.13	126.0	Lg	07:43:52.580	-0.3					T__						866003	FDSN	HU	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.6 magdef=1  
 (Station ML: 1.6 magdef=0

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/05	08:51:48.36	1.38	0.93	48.8714	20.9724	10.0	7.3	115	0.0f	10	6	131	0.47	1.23	sx	BUD	19001648	BUD				255

Magnitude Err Nsta Author OrigID  
 ML 1.7 0.2 4 BUD 19001648

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
JOS	0.47	217.5	Pg	08:51:58.328	0.5					T__	66.5			---	ML	1.4	866056	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.47	217.5	Lg	08:52:04.673	-0.3					T__						866058	FDSN	Z6	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.4 magdef=1  
 (Station ML: 1.4 magdef=1

KECS	0.50	219.9	Pg	08:51:58.818	0.3					T__	80.4			---	ML	1.6	866057	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.50	219.9	Lg	08:52:04.907	-1.2					T__						866061	FDSN	SK	--	BUD	iLoc	EHN	???	_	

(Reading ML: 1.6 magdef=1  
 (Station ML: 1.6 magdef=1

NIE	0.70	321.3	Lg	08:52:11.217	-0.5					T__						866059	FDSN	PL	--	BUD	iLoc	BHN	???	_	
KOLS	0.86	85.4	Lg	08:52:17.697	-0.9					T__						866060	FDSN	SK	--	BUD	iLoc	HHN	???	_	
PSZ	1.19	217.4	Pn	08:52:12.540	1.0					T__	54.7			---	ML	1.9	866063	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.19	217.4	Sn	08:52:28.637	-1.2					T__						866062	FDSN	GE	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.9 magdef=1  
 (Station ML: 1.9 magdef=1

ET1H	1.23	216.9	Pn	08:52:12.452	0.6					T__	36.2			---	ML	1.7	866065	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	1.23	216.9	Sn	08:52:29.996	-0.4					T__						866064	FDSN	HU	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.7 magdef=1  
 (Station ML: 1.7 magdef=1



Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/05	10:03:33.54	1.03	0.93	48.5963	20.9458	6.2	4.1	12	0.0f		13	8	95	0.29	1.16	sx	BUD	19001650	BUD			178

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.2	6 BUD	19001650

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
JOS	0.29	249.7	Pg	10:03:39.464	0.0					T__		214.3		___	ML	1.4	866114	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.29	249.7	Lg	10:03:44.254	0.2					T__				---		866115	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
KECS	0.33	249.9	Pg	10:03:40.166	-0.1					T__		556.6		___	ML	2.0	866117	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.33	249.9	Lg	10:03:45.383	0.1					T__				---		866116	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=0)																									
ABAH	0.36	146.8	Pg	10:03:41.593	0.6					T__		99.6		___	ML	1.3	866121	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.36	146.8	Lg	10:03:46.447	-0.9					T__				---		866120	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=0)																									
NIE	0.93	332.9	Pg	10:03:51.462	0.4					T__		29.1		___	ML	1.5	866122	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
KOLS	0.94	68.5	Lg	10:04:04.577	-2.0					T__				---		866126	FDSN	SK	--	BUD	iLoc	HHN	???	_	
PSZ	0.98	226.4	Pn	10:03:54.080	0.5					T__		67.6		___	ML	1.9	866118	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.98	226.4	Lg	10:04:08.431	-0.2					T__				---		866123	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
ET1H	1.02	225.4	Pn	10:03:53.484	-0.4					T__		38.9		___	ML	1.7	866119	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	1.02	225.4	Lg	10:04:08.857	-0.6					T__				---		866124	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
TRPA	1.16	113.1	Lg	10:04:12.162	-1.5					T__				---		866125	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/05	10:12:44.33	1.29	0.25	48.4863	20.7302	15.6	3.7	14	0.0f		8	4	204	0.13	0.80	sx	BUD	19001652	BUD			310

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.4	4 BUD	19001652

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
JOS	0.13	274.3	Pg	10:12:47.182	0.1					T__		150.8		___	ML	0.8	866172	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.13	274.3	Lg	10:12:49.694	0.3					T__				---		866173	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=1)																									
KECS	0.16	269.0	Pg	10:12:47.608	-0.2					T__		593.2		___	ML	1.5	866171	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.16	269.0	Lg	10:12:50.402	-0.2					T__				---		866174	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
ABAH	0.39	119.1	Pg	10:12:52.407	0.0					T__		50.6		___	ML	1.1	866175	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_

ABAH 0.39 119.1 Lg 10:12:58.997 -0.2 T\_\_ --- 866176 FDSN HU -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.1 magdef=1  
 (Station ML: 1.1 magdef=1  
 PSZ 0.80 224.8 Pn 10:13:01.797 -0.1 T\_\_ 45.4 --- ML 1.6 866178 FDSN GE -- BUD iLoc HHZ HHZ \_  
 PSZ 0.80 224.8 Lg 10:13:13.570 0.3 T\_\_ --- 866177 FDSN GE -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.6 magdef=1  
 (Station ML: 1.6 magdef=1

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/04/05 11:08:23.51 3.65 0.17 48.5936 20.1636 25.6 5.7 152 0.0f 7 4 275 0.24 0.74 sx BUD 19001654 BUD 281

Magnitude Err Nsta Author OrigID  
 ML 1.0 0.3 3 BUD 19001654

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L  
 KECS 0.24 117.2 Pg 11:08:28.594 0.1 T\_\_ 116.6 --- ML 1.0 866206 FDSN SK -- BUD iLoc EHZ EHZ \_  
 KECS 0.24 117.2 Lg 11:08:32.299 -0.1 T\_\_ --- 866210 FDSN SK -- BUD iLoc EHN ??? \_  
 (Reading ML: 1.0 magdef=1  
 (Station ML: 1.0 magdef=1  
 JOS 0.27 111.3 Pg 11:08:28.999 -0.0 T\_\_ 59.0 --- ML 0.8 866204 FDSN Z6 -- BUD iLoc HHZ HHZ \_  
 JOS 0.27 111.3 Lg 11:08:33.321 0.0 T\_\_ --- 866205 FDSN Z6 -- BUD iLoc HHN ??? \_  
 (Reading ML: 0.8 magdef=1  
 (Station ML: 0.8 magdef=1  
 PSZ 0.70 195.0 Pg 11:08:38.367 -0.0 T\_\_ 53.0 --- ML 1.6 866207 FDSN GE -- BUD iLoc HHZ HHZ \_  
 PSZ 0.70 195.0 Lg 11:08:49.311 0.2 T\_\_ --- 866208 FDSN GE -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.6 magdef=1  
 (Station ML: 1.6 magdef=1  
 ET1H 0.74 195.4 Lg 11:08:49.865 -0.2 T\_\_ --- 866209 FDSN HU -- BUD iLoc HHN ??? \_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/04/06 07:38:33.64 2.31 1.29 48.9978 19.3887 14.9 8.5 101 0.0f 8 7 111 0.73 1.44 sx BUD 19001666 BUD 222

Magnitude Err Nsta Author OrigID  
 ML 1.7 0.2 3 BUD 19001666

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L  
 NIE 0.73 54.5 Lg 07:38:57.773 -0.1 T\_\_ --- 867397 FDSN PL -- BUD iLoc BHN ??? \_  
 KECS 0.89 124.9 Lg 07:39:04.119 -0.4 T\_\_ --- 867398 FDSN SK -- BUD iLoc EHN ??? \_  
 JOS 0.91 123.0 Pg 07:38:51.892 0.2 T\_\_ 35.4 --- ML 1.6 867395 FDSN Z6 -- BUD iLoc HHZ HHZ \_  
 JOS 0.91 123.0 Lg 07:39:05.003 -0.2 T\_\_ --- 867399 FDSN Z6 -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.6 magdef=1  
 (Station ML: 1.6 magdef=1  
 PSZ 1.13 162.5 Pn 07:38:57.480 1.4 T\_\_ 41.4 --- ML 1.7 867396 FDSN GE -- BUD iLoc HHZ HHZ \_  
 (Reading ML: 1.7 magdef=1  
 (Station ML: 1.7 magdef=1  
 ET1H 1.16 163.8 Lg 07:39:13.452 -0.1 T\_\_ --- 867402 FDSN HU -- BUD iLoc HHN ??? \_  
 HU10A 1.18 192.2 Sn 07:39:12.356 -2.2 T\_\_ --- 867400 FDSN Z6 00 BUD iLoc HHN ??? \_  
 MORC 1.44 303.6 Pn 07:38:59.413 -1.1 T\_\_ 39.6 --- ML 1.9 867401 FDSN CZ -- BUD iLoc HHZ HHZ \_  
 (Reading ML: 1.9 magdef=1  
 (Station ML: 1.9 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/06	07:39:49.13	1.04	1.40	48.9129	19.3135	8.4	5.1	33	0.0f		9	6	109	0.82	1.45	sx	BUD	19001668	BUD			169

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.3	4 BUD	19001668

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
NIE	0.82	51.6	Pg	07:40:05.003	0.4					T__		22.8		___	ML	1.3	867436	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.3 magdef=1 Station ML: 1.3 magdef=1)																									
KECS	0.89	118.5	Pg	07:40:06.518	-0.2					T__		103.4		___	ML	2.0	867433	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.89	118.5	Lg	07:40:19.300	-0.6					T__				---		867434	FDSN	SK	--	BUD	iLoc	EHE	???	_	
(Reading ML: 2.0 magdef=1 Station ML: 2.0 magdef=1)																									
JOS	0.91	116.7	Pg	07:40:06.500	-0.7					T__		32.0		___	ML	1.5	867429	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.91	116.7	Lg	07:40:19.866	-0.9					T__				---		867428	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=1)																									
PSZ	1.07	158.5	Pn	07:40:13.365	2.7					T__		40.6		___	ML	1.7	867432	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.07	158.5	Lg	07:40:28.703	1.5					T__				---		867431	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=1)																									
JAVC	1.09	267.8	Lg	07:40:26.804	-0.7					T__				---		867430	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
MORC	1.45	307.4	Lg	07:40:35.480	-0.4					T__				---		867435	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/06	07:56:24.38	2.81	0.78	47.9085	16.1001	39.0	4.2	32	0.0f		5	3	138	0.16	1.17	sx	BUD	19001670	BUD			267

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
CONA	0.16	277.1	Pg	07:56:27.735	-0.1					T__		189.7		___	ML	1.0	867457	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.16	277.1	Lg	07:56:30.438	0.1					T__				---		867458	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1 Station ML: 1.0 magdef=0)																									
RONA	0.25	147.6	Pg	07:56:29.488	-0.1					T__				---		867460	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.25	147.6	Lg	07:56:33.359	0.2					T__				---		867459	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.17	9.5	Sn	07:57:05.258	1.1					T__				---		867461	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/06	08:52:04.80	1.11	0.34	46.1110	18.0652	6.3	4.4	133	0.0f		6	4	156	0.03	0.44	sx	BUD	19001672	BUD			245

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.2	4 BUD	19001672

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
KOVH	0.03	133.2	Pg	08:52:06.340	0.1					T__		2175.2		_c_	ML	1.7	867525	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.03	133.2	Lg	08:52:07.526	-0.1					T__				---		867524	FDSN	HU	--	BUD	iLoc	HHN	???	_	

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(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
A273A 0.26 221.8 Pg 08:52:10.609 0.1 T__ 722.1 ___ ML 1.9 867521 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
MORH 0.42 75.3 Pg 08:52:13.734 0.2 T__ 47.4 ___ ML 1.1 867520 FDSN HU -- BUD iLoc HHZ HHZ _
MORH 0.42 75.3 Lg 08:52:19.814 -0.5 T__ ___ 867522 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=1
A266A 0.44 18.4 Pg 08:52:14.189 0.1 T__ 299.2 ___ ML 2.0 867523 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/06 09:13:44.81 1.53 1.51 48.3571 19.7951 12.5 4.1 115 0.0f 10 5 203 0.44 1.11 sx BUD 19001676 BUD 260

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Magnitude Err Nsta Author OrigID
ML 1.4 0.2 5 BUD 19001676

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
PSZ 0.44 171.3 Pg 09:13:53.883 -0.7 T__ 53.0 ___ ML 1.3 867593 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.44 171.3 Lg 09:14:01.807 0.1 T__ ___ 867599 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=0
KECS 0.48 74.4 Pg 09:13:56.238 1.8 T__ 106.2 ___ ML 1.7 867595 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.48 74.4 Lg 09:13:59.999 -1.8 T__ ___ 867597 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=0
ET1H 0.48 173.9 Pg 09:13:55.526 0.4 T__ 48.1 ___ ML 1.3 867594 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.48 173.9 Lg 09:14:02.866 0.3 T__ ___ 867600 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
JOS 0.51 74.1 Pg 09:13:56.457 1.3 T__ 49.5 ___ ML 1.4 867596 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.51 74.1 Lg 09:14:01.022 -2.0 T__ ___ 867598 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
NIE 1.11 17.2 Pn 09:14:07.603 0.7 T__ 27.0 ___ ML 1.6 867602 FDSN PL -- BUD iLoc BHZ BHZ _
NIE 1.11 17.2 Lg 09:14:20.530 -1.6 T__ ___ 867601 FDSN PL -- BUD iLoc BHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/06 09:45:52.77 0.96 1.03 46.0301 22.7920 6.9 4.4 99 0.0f 10 6 112 0.17 0.92 sx BUD 19001678 BUD 174

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Magnitude Err Nsta Author OrigID
ML 1.7 0.2 4 BUD 19001678

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
DEV 0.17 152.1 Lg 09:45:58.356 0.1 T__ ___ 867633 FDSN R0 -- BUD iLoc HHN ??? _
GZR 0.64 181.0 Pg 09:46:05.222 0.2 T__ 67.1 ___ ML 1.7 867635 FDSN R0 -- BUD iLoc HHZ HHZ _

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GZR 0.64 181.0 Lg 09:46:13.767 -0.3 T__ --- 867634 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
DRGR 0.76 355.8 Pg 09:46:08.362 0.2 T__ 64.5 --- ML 1.7 867638 FDSN RO -- BUD iLoc HHZ HHZ _
DRGR 0.76 355.8 Lg 09:46:18.441 -1.6 T__ --- 867637 FDSN RO -- BUD iLoc HHE ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
CJR 0.88 39.0 Pg 09:46:10.846 0.6 T__ 128.2 --- ML 2.1 867639 FDSN RO -- BUD iLoc HHZ HHZ _
CJR 0.88 39.0 Lg 09:46:23.517 -0.3 T__ --- 867641 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
LOT 0.90 130.0 Lg 09:46:21.144 -2.0 T__ --- 867636 FDSN RO -- BUD iLoc HHN ??? _
BZS 0.92 243.7 Pg 09:46:10.992 0.3 T__ 33.0 --- ML 1.5 867640 FDSN RO -- BUD iLoc HHZ HHZ _
BZS 0.92 243.7 Lg 09:46:23.444 -0.3 T__ --- 867642 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/06 10:10:15.49 1.41 1.21 48.2286 21.2405 8.9 4.3 113 0.0f 10 6 189 0.07 0.98 sx BUD 19001680 BUD 250
2023/04/06 10:10:15.63 0.94 1.27 48.2470 21.2460f 0.0f 10 6 194 0.05 0.99 kx BUD_GT 19001681 BUD_GT 253
(locality: Tálya Hungary)
(GT info : GT2 explosion)

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Magnitude Err Nsta Author OrigID
ML 1.8 0.2 4 BUD_GT 19001681

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
ABAH 0.05 355.1 Pg 10:10:17.437 0.2 T__ 10556.4 --- ML 2.5 867676 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.05 355.1 Lg 10:10:19.263 0.5 T__ --- 867675 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=1
HU11A 0.33 189.3 Lg 10:10:27.717 -0.9 T__ --- 867678 FDSN Z6 00 BUD iLoc HHN ??? _
JOS 0.53 298.1 Pg 10:10:26.713 0.4 T__ 104.2 --- ML 1.8 867672 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.53 298.1 Lg 10:10:33.743 -0.8 T__ --- 867671 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
KECS 0.56 295.3 Pg 10:10:27.781 0.9 T__ 108.6 --- ML 1.8 867673 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.56 295.3 Lg 10:10:35.706 0.3 T__ --- 867674 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
PSZ 0.96 250.6 Lg 10:10:47.072 -3.3 T__ --- 867677 FDSN GE -- BUD iLoc HHN ??? _
ET1H 0.99 248.7 Pn 10:10:35.751 0.1 T__ 36.9 --- ML 1.6 867680 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.99 248.7 Lg 10:10:49.993 -0.9 T__ --- 867679 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1

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```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/07 13:31:03.01 3.11 1.59 45.5503 16.1709 22.6 9.5 7 10.0f 11 8 231 0.31 1.85 ke BUD 19001698 BUD 242

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Magnitude Err Nsta Author OrigID

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ML 1.6 0.4 3 BUD 19001698

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ZAG	0.31	335.1	Lg	13:31:15.090	1.3					T__						870815	FDSN	CR	--	BUD	iLoc	BHN	???	_	
PTJ	0.38	338.3	Pg	13:31:10.390	-0.7					T__		96.9			ML	1.4	870805	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.38	338.3	Lg	13:31:16.820	-0.2					T__						870809	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
CRES	0.57	299.1	Lg	13:31:21.525	-1.1					T__						870814	FDSN	SL	--	BUD	iLoc	BHN	???	_	
KOGS	0.90	3.5	Pg	13:31:20.567	0.5					T__		42.6			ML	1.6	870806	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.90	3.5	Sn	13:31:35.110	0.9					T__						870810	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
BEHE	1.01	24.4	Sn	13:31:38.117	1.2					T__						870811	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOVH	1.45	67.6	Lg	13:31:50.317	0.9					T__						870812	FDSN	HU	--	BUD	iLoc	HHN	???	_	
OBKA	1.48	310.9	Pg	13:31:32.491	2.6					T__		41.2			ML	1.9	870808	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
OBKA	1.48	310.9	Lg	13:31:51.312	0.4					T__						870807	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
MORH	1.85	68.1	Lg	13:31:59.343	-2.6					T__						870813	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/04/07 20:30:13.24 0.82 0.84 48.3753 17.1719 4.2 3.1 102 5.4 13.4 23 13 80 0.19 1.88 ke BUD 19001702 BUD 98

Magnitude Err Nsta Author OrigID  
 ML 1.7 0.2 9 BUD 19001702

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ZST	0.19	194.5	Pg	20:30:17.256	-0.0					T__						870882	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
ZST	0.19	194.5	Lg	20:30:20.024	-0.5					T__						870883	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.59	34.2	Pg	20:30:25.081	-0.2					T__		50.9			ML	1.5	870884	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.59	34.2	Lg	20:30:34.202	-0.1					T__						870902	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
SOP	0.81	211.0	Pg	20:30:28.743	-0.5					T__		51.6			ML	1.7	870887	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.81	211.0	Lg	20:30:39.985	0.1					T__						870888	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
KRUC	0.86	323.5	Pg	20:30:29.808	0.2					T__		38.5			ML	1.6	870886	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	0.86	323.5	Lg	20:30:42.157	-0.0					T__						870885	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
RONA	0.90	221.3	Pg	20:30:30.149	-0.9					T__						870891	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.90	221.3	Lg	20:30:43.136	0.4					T__						870892	FDSN	OE	--	BUD	iLoc	HHN	???	_	
SRO	0.95	125.9	Pg	20:30:32.363	0.3					T__		244.2			ML	2.4	870890	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
SRO	0.95	125.9	Sn	20:30:44.371	-2.5					T__						870889	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=0)																									
CONA	0.98	243.5	Pg	20:30:32.491	-0.2					T__		41.0			ML	1.7	870896	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.98	243.5	Lg	20:30:46.543	1.0					T__						870895	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									

VRAC	1.01	338.0	Pg	20:30:32.448	0.2	T__	11.8	---	ML	1.1	870893	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
VRAC	1.01	338.0	Lg	20:30:46.841	-0.1	T__		---			870894	FDSN	CZ	--	BUD	iLoc	HHN	???	_
	(Reading ML: 1.1 magdef=1)																		
	(Station ML: 1.1 magdef=0)																		
HU08A	1.07	151.5	Pg	20:30:35.344	1.1	T__	56.5	---	ML	1.8	870898	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU08A	1.07	151.5	Sn	20:30:50.163	0.4	T__		---			870897	FDSN	Z6	00	BUD	iLoc	HHN	???	_
	(Reading ML: 1.8 magdef=1)																		
	(Station ML: 1.8 magdef=1)																		
MORC	1.42	9.7	Pn	20:30:39.943	0.8	T__	35.6	---	ML	1.8	870899	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
MORC	1.42	9.7	Sn	20:30:59.957	0.7	T__		---			870900	FDSN	CZ	--	BUD	iLoc	HHN	???	_
	(Reading ML: 1.8 magdef=1)																		
	(Station ML: 1.8 magdef=1)																		
A261A	1.42	180.6	Lg	20:31:00.604	-0.1	T__		---			870903	FDSN	Z6	00	BUD	iLoc	HHN	???	_
ARSA	1.58	225.2	Pg	20:30:43.435	-0.3	T__	41.0	---	ML	2.0	870901	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 2.0 magdef=1)																		
	(Station ML: 2.0 magdef=1)																		
PSZ	1.88	103.1	Lg	20:31:16.956	-1.3	T__		---			870904	FDSN	GE	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/08	04:07:09.28	1.23	0.44	47.8811	20.6258	8.8	4.4	124	10.0f		10	6	148	0.35	1.31	ke	BUD	19001708	BUD			191

Magnitude	Err	Nsta	Author	OrigID
ML	1.2	0.0	4 BUD	19001708

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU23A	0.35	226.5	Pg	04:07:17.211	0.2					T__		83.8		---	ML	1.2	871099	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.35	226.5	Lg	04:07:22.321	-0.1					T__				---		871100	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
	(Reading ML: 1.2 magdef=1)																								
	(Station ML: 1.2 magdef=1)																								
PSZ	0.49	274.6	Pg	04:07:19.694	-0.3					T__		29.9		_c	ML	1.1	871094	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.49	274.6	Lg	04:07:27.508	-0.1					T__				---		871095	FDSN	GE	--	BUD	iLoc	HHN	???	_	
	(Reading ML: 1.1 magdef=1)																								
	(Station ML: 1.1 magdef=1)																								
ET1H	0.51	270.0	Pg	04:07:19.891	-0.2					T__		26.8		---	ML	1.1	871101	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.51	270.0	Lg	04:07:27.854	0.2					T__				---		871102	FDSN	HU	--	BUD	iLoc	HHN	???	_	
	(Reading ML: 1.1 magdef=1)																								
	(Station ML: 1.1 magdef=1)																								
ABAH	0.58	44.5	Lg	04:07:28.956	-0.9					T__				---		871098	FDSN	HU	--	BUD	iLoc	HHN	???	_	
JOS	0.62	354.7	Pg	04:07:21.973	0.4					T__		29.6		---	ML	1.3	871096	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.62	354.7	Lg	04:07:30.872	0.3					T__				---		871097	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
	(Reading ML: 1.3 magdef=1)																								
	(Station ML: 1.3 magdef=1)																								
TRPA	1.31	78.3	Sn	04:07:50.346	0.0					T__				---		871103	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/04/08	04:49:52.07	3.11	1.05	48.9092	19.1603	22.5	9.4	81	10.0f		9	5	261	0.90	1.51	ke	BUD	19001714	BUD					319

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.2	5 BUD	19001714

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
NIE	0.90	55.3	Pg	04:50:09.027	-0.2					T__		15.0		---	ML	1.2 871191	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.90	55.3	Lg	04:50:21.462	0.2					T__				---		871190	FDSN	PL	--	BUD	iLoc	BHN	???	_
(Reading ML: 1.2 magdef=1)																								
(Station ML: 1.2 magdef=0)																								
KECS	0.98	115.4	Pn	04:50:11.114	0.3					T__		75.0		---	ML	1.9 871187	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.98	115.4	Lg	04:50:24.740	0.3					T__				---		871186	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Reading ML: 1.9 magdef=1)																								
(Station ML: 1.9 magdef=0)																								
JOS	1.00	113.8	Pn	04:50:11.476	0.3					T__		24.8		---	ML	1.5 871184	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	1.00	113.8	Lg	04:50:25.635	0.4					T__				---		871185	FDSN	Z6	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.5 magdef=1)																								
(Station ML: 1.5 magdef=1)																								
PSZ	1.11	153.5	Pn	04:50:14.648	1.8					T__		33.2		---	ML	1.6 871188	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.11	153.5	Sn	04:50:28.275	-1.3					T__				---		871189	FDSN	GE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1)																								
(Station ML: 1.6 magdef=1)																								
ABAH	1.51	113.2	Pg	04:50:20.299	-1.1					T__		27.8		---	ML	1.8 871192	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.8 magdef=1)																								
(Station ML: 1.8 magdef=1)																								

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/08	14:41:22.33	1.24	1.68	45.8970	16.0309	8.9	5.3	86	10.0f		9	5	188	0.05	1.20	ke	BUD	19001718	BUD			262

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.6	4 BUD	19001718

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
PTJ	0.05	282.9	Pg	14:41:24.080	-0.7					T__		246.4		---	ML	0.8 871258	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.05	282.9	Lg	14:41:25.337	-1.4					T__				---		871259	FDSN	CR	--	BUD	iLoc	BHN	???	_
(Reading ML: 0.8 magdef=1)																								
(Station ML: 0.8 magdef=1)																								
ZAG	0.08	203.7	Pg	14:41:24.506	-0.3					T__		1248.2		---	ML	1.6 871260	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.08	203.7	Lg	14:41:26.430	-0.1					T__				---		871264	FDSN	CR	--	BUD	iLoc	BHN	???	_
(Reading ML: 1.6 magdef=1)																								
(Station ML: 1.6 magdef=1)																								
CRES	0.41	260.2	Pg	14:41:31.298	0.8					T__		37.9		---	ML	1.0 871261	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.41	260.2	Lg	14:41:36.834	0.2					T__				---		871262	FDSN	SL	--	BUD	iLoc	BHN	???	_
(Reading ML: 1.0 magdef=1)																								
(Station ML: 1.0 magdef=1)																								
KOGS	0.57	15.4	Lg	14:41:42.327	1.1					T__				---		871263	FDSN	SL	--	BUD	iLoc	BHN	???	_
OBKA	1.20	301.3	Pn	14:41:47.807	2.6					T__		50.4		---	ML	1.9 871265	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
OBKA	1.20	301.3	Sn	14:42:03.989	2.4					T__				---		871266	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1)																								
(Station ML: 1.9 magdef=1)																								

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/08	23:38:00.89	1.06	0.78	45.5359	16.1360	11.3	4.9	53	13.0f		9	6	165	0.31	1.48	ke	BUD	19001722	BUD			234

Magnitude	Err	Nsta	Author	OrigID



ML 1.7 0.2 5 BUD 19001722

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
ZAG	0.31	340.3	Pg	23:38:07.531	0.2					T__		808.6		---	ML	2.1 871441	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 2.1 magdef=1 Station ML: 2.1 magdef=0)																								
PTJ	0.39	342.5	Pg	23:38:09.164	0.1					T__		120.3		---	ML	1.5 871437	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.39	342.5	Lg	23:38:13.891	-1.3					T__				---		871442	FDSN	CR	--	BUD	iLoc	BHN	???	_
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=0)																								
CRES	0.56	301.6	Pg	23:38:11.963	0.3					T__		54.1		---	ML	1.5 871438	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.56	301.6	Lg	23:38:20.267	0.0					T__				---		871443	FDSN	SL	--	BUD	iLoc	BHN	???	_
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=1)																								
KOGS	0.92	5.0	Pg	23:38:19.026	1.0					T__		50.9		---	ML	1.7 871439	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=1)																								
BLY	1.08	136.3	Pg	23:38:20.863	-0.0					T__		60.4		---	ML	1.9 871440	FDSN	MN	--	BUD	iLoc	HHZ	HHZ	_
BLY	1.08	136.3	Lg	23:38:35.234	-0.1					T__				---		871444	FDSN	MN	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=1)																								
KOVH	1.48	67.4	Sn	23:38:46.400	0.9					T__				---		871445	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/10	01:20:47.78	2.20	0.30	47.6336	19.8461	6.2	4.2	78	14.2	25.1	9	6	155	0.25	0.98	ke	BUD	19001732	BUD			224

Magnitude	Err	Nsta	Author	OrigID
ML	0.8	0.5	3 BUD	19001732

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
ET1H	0.25	3.9	Pg	01:20:53.720	0.0					T__		26.8		---	ML	0.4 876186	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.25	3.9	Lg	01:20:57.946	0.0					T__				---		876187	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 0.4 magdef=1 Station ML: 0.4 magdef=1)																								
HU23A	0.27	88.7	Pg	01:20:54.052	-0.1					T__		120.9		---	ML	1.1 876191	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.27	88.7	Lg	01:20:59.176	0.5					T__				---		876188	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.1 magdef=1 Station ML: 1.1 magdef=1)																								
PSZ	0.29	6.5	Pg	01:20:54.673	0.1					T__		47.2		---	ML	0.8 876185	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.29	6.5	Lg	01:20:59.256	-0.4					T__				---		876189	FDSN	GE	--	BUD	iLoc	HHN	???	_
(Reading ML: 0.8 magdef=1 Station ML: 0.8 magdef=1)																								
HU01A	0.33	208.0	Lg	01:21:00.714	0.1					T__				---		876190	FDSN	Z6	00	BUD	iLoc	HHE	???	_
BSZH	0.44	139.3	Lg	01:21:03.976	-0.1					T__				---		876192	FDSN	HU	--	BUD	iLoc	HHE	???	_
JOS	0.98	28.1	Lg	01:21:21.199	0.2					T__				---		876193	FDSN	Z6	--	BUD	iLoc	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/10	02:31:34.45	1.01	0.82	46.0571	17.0878	9.3	4.3	5	10.0f		10	7	148	0.53	1.09	ke	BUD	19001736	BUD			166

Magnitude	Err	Nsta	Author	OrigID

ML 1.7 0.2 4 BUD 19001738

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
A273A	0.53	105.2	Pg	02:31:45.318	0.3					T__		132.5		___	ML	1.9	876291	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=1)																									
A265A	0.61	52.9	Pg	02:31:46.049	-0.7					T__		93.0		___	ML	1.8	876292	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A265A	0.61	52.9	Lg	02:31:55.630	0.5					T__				---		876293	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=1)																									
KOGS	0.70	304.2	Pg	02:31:48.328	0.2					T__		48.9		___	ML	1.6	876294	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.70	304.2	Lg	02:31:58.506	1.1					T__				---		876295	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.6 magdef=1 Station ML: 1.6 magdef=1)																									
KOVH	0.71	87.1	Pg	02:31:47.966	-0.5					T__		39.0		___	ML	1.5	876297	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.71	87.1	Lg	02:31:58.689	0.8					T__				---		876298	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=1)																									
PTJ	0.80	259.5	Lg	02:32:00.383	-1.2					T__				---		876290	FDSN	CR	--	BUD	iLoc	BHN	???	_	
ZAG	0.80	253.7	Lg	02:32:00.488	-0.6					T__				---		876296	FDSN	CR	--	BUD	iLoc	BHN	???	_	
MORH	1.09	81.1	Lg	02:32:10.092	0.1					T__				---		876289	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/10	02:38:20.77	1.38	0.88	45.6467	16.0258	8.8	6.9	169	10.0f		12	7	157	0.18	1.22	ke	BUD	19001738	BUD			235

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.4	5 BUD	19001738

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ZAG	0.18	351.4	Pg	02:38:24.581	-0.3					T__		374.5		___	ML	1.4	876336	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.18	351.4	Lg	02:38:28.307	0.5					T__				---		876335	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.4 magdef=1 Station ML: 1.4 magdef=1)																									
PTJ	0.26	351.2	Pg	02:38:25.581	-1.0					T__		62.5		___	ML	0.8	876334	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.26	351.2	Lg	02:38:30.393	-0.6					T__				---		876337	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 0.8 magdef=1 Station ML: 0.8 magdef=0)																									
CRES	0.44	294.4	Pg	02:38:29.211	-0.2					T__		38.7		___	ML	1.1	876339	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.44	294.4	Lg	02:38:36.961	1.0					T__				---		876338	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.1 magdef=1 Station ML: 1.1 magdef=1)																									
KOGS	0.82	11.0	Pg	02:38:37.324	0.9					T__		61.8		__c	ML	1.7	876333	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.82	11.0	Sn	02:38:50.227	0.2					T__				---		876332	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=1)																									
BEHE	0.98	32.1	Pn	02:38:40.474	0.5					T__		128.9		___	ML	2.2	876340	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BEHE	0.98	32.1	Sn	02:38:55.102	1.2					T__				---		876331	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1 Station ML: 2.2 magdef=0)																									
A264A	1.02	59.4	Lg	02:38:54.983	1.0					T__				---		876341	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
BLY	1.22	137.2	Lg	02:38:58.821	-0.8					T__				---		876342	FDSN	MN	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/10	04:27:17.48	1.30	0.81	46.0073	17.0976	12.0	4.9	0	4.5	19.5	11	7	178	0.20	1.16	ke	BUD	19001742	BUD			183

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.1	5 BUD	19001742

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
A264A	0.20	41.2	Pg	04:27:21.474	-0.4					T__		152.9		_d	ML	1.0	876437	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A264A	0.20	41.2	Lg	04:27:25.190	0.2					T__						876438	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1 Station ML: 1.0 magdef=0)																									
A263A	0.65	13.3	Lg	04:27:40.383	1.0					T__						876439	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KOVH	0.70	83.0	Pg	04:27:31.892	0.3					T__		37.4			ML	1.5	876435	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=1)																									
KOGS	0.74	307.2	Pg	04:27:31.426	-0.5					T__		61.7			ML	1.7	876434	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.74	307.2	Lg	04:27:42.594	1.2					T__						876440	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=1)																									
PTJ	0.79	263.1	Lg	04:27:44.502	0.0					T__						876436	FDSN	CR	--	BUD	iLoc	BHN	???	_	
MORH	1.10	78.5	Pn	04:27:36.977	-1.1					T__		26.9			ML	1.5	876442	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	1.10	78.5	Lg	04:27:52.989	-0.4					T__						876441	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=1)																									
CRES	1.16	261.6	Pg	04:27:39.432	0.1					T__		53.7			ML	1.9	876433	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	1.16	261.6	Sn	04:27:56.465	0.6					T__						876432	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=0)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/10	05:57:51.59	1.43	1.08	45.9996	17.1514	11.6	5.8	15	10.0f		8	5	182	0.19	1.06	ke	BUD	19001744	BUD			249

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.3	4 BUD	19001744

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
A264A	0.19	31.0	Pg	05:57:55.156	-0.8					T__		202.0			ML	1.1	876471	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A264A	0.19	31.0	Lg	05:57:58.839	-0.2					T__						876472	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1 Station ML: 1.1 magdef=1)																									
BEHE	0.54	331.1	Pg	05:58:03.119	0.6					T__		134.4			ML	1.9	876473	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BEHE	0.54	331.1	Lg	05:58:10.826	0.9					T__						876476	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=1)																									
KOVH	0.67	82.0	Pg	05:58:05.509	0.7					T__		38.4			ML	1.5	876477	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=1)																									
PTJ	0.83	264.0	Lg	05:58:18.034	-1.8					T__						876474	FDSN	CR	--	BUD	iLoc	BHN	???	_	
MORH	1.06	77.7	Pg	05:58:12.159	0.2					T__		32.0			ML	1.6	876478	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	1.06	77.7	Sn	05:58:26.295	0.3					T__						876475	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=1)																									

(Reading ML: 1.6 magdef=1  
 (Station ML: 1.6 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/10	06:32:50.57	2.57	1.06	45.9182	17.2351	17.8	8.2	166	10.0f		9	5	234	0.24	0.87	ke	BUD	19001746	BUD			299

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.3	5 BUD	19001746

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
A264A	0.24	8.9	Pg	06:32:55.569	-0.4					T__		191.6		_d_	ML	1.3	876507	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A264A	0.24	8.9	Lg	06:32:59.258	-0.4					T__				---		876508	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1 (Station ML: 1.3 magdef=0																									
KOVH	0.63	73.9	Pn	06:33:06.073	1.9					T__		36.8		---	ML	1.4	876513	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.4 magdef=1 (Station ML: 1.4 magdef=1																									
BEHE	0.64	330.1	Pg	06:33:03.978	0.7					T__		127.8		---	ML	2.0	876510	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BEHE	0.64	330.1	Lg	06:33:12.538	0.5					T__				---		876509	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1 (Station ML: 2.0 magdef=1																									
A263A	0.72	4.4	Pg	06:33:04.790	-0.0					T__		115.8		---	ML	2.0	876511	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A263A	0.72	4.4	Lg	06:33:15.181	0.6					T__				---		876512	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1 (Station ML: 2.0 magdef=0																									
KOGS	0.87	308.1	Pg	06:33:06.609	-0.5					T__		60.7		---	ML	1.8	876514	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.87	308.1	Lg	06:33:17.553	-1.1					T__				---		876515	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.8 magdef=1 (Station ML: 1.8 magdef=1																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/10	07:08:13.70	1.22	1.01	45.9511	17.0618	11.2	5.2	163	10.0f		9	6	188	0.26	1.13	ke	BUD	19001750	BUD			260

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.1	4 BUD	19001750

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
A264A	0.26	37.2	Pg	07:08:19.354	-0.1					T__		216.5		_d_	ML	1.4	876711	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A264A	0.26	37.2	Lg	07:08:23.005	-0.4					T__				---		876712	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1 (Station ML: 1.4 magdef=1																									
BEHE	0.56	339.1	Lg	07:08:32.985	0.4					T__				---		876714	FDSN	HU	--	BUD	iLoc	HHN	???	_	
A263A	0.71	14.2	Sn	07:08:38.122	-1.6					T__				---		876715	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KOVH	0.74	78.9	Pn	07:08:29.904	1.1					T__		58.0		---	ML	1.7	876713	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=1																									
PTJ	0.76	267.1	Pg	07:08:28.585	-0.0					T__		64.3		---	ML	1.7	876716	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.76	267.1	Lg	07:08:39.571	-0.3					T__				---		876717	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=1																									

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MORH 1.13 76.0 Pg 07:08:35.089 -0.3 T__ 26.2 ___ ML 1.5 876718 FDSN HU -- BUD iLoc HHZ HHZ _
MORH 1.13 76.0 Lg 07:08:51.782 1.4 T__ ___ 876719 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/11 00:39:16.67 3.20 1.81 45.8151 17.0521 24.1 11.0 11 10.0f 6 3 249 0.38 0.84 ke BUD 19001756 BUD 316

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Magnitude Err Nsta Author OrigID
ML 1.6 0.1 3 BUD 19001756

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
A264A 0.38 25.6 Pg 00:39:23.604 -1.1 T__ 162.7 _d ML 1.6 876948 FDSN Z6 00 BUD iLoc HHZ HHZ _
A264A 0.38 25.6 Lg 00:39:31.090 1.1 T__ ___ 876950 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
KOVH 0.78 69.1 Pn 00:39:33.839 1.4 T__ 30.8 ___ ML 1.4 876949 FDSN HU -- BUD iLoc HHZ HHZ _
KOVH 0.78 69.1 Lg 00:39:44.100 1.8 T__ ___ 876951 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
KOGS 0.84 318.9 Pn 00:39:34.400 0.7 T__ 49.4 _c ML 1.7 876947 FDSN SL -- BUD iLoc BHZ BHZ _
KOGS 0.84 318.9 Lg 00:39:45.502 1.4 T__ ___ 876946 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/11 03:19:23.65 1.28 0.46 47.2524 18.1319 12.5 4.6 153 11.0f 5 3 220 0.14 0.41 ke BUD 19001760 BUD 296

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CSKK 0.14 38.3 Pg 03:19:27.199 -0.1 T__ 74.7 ___ ML 0.6 876995 FDSN HU -- BUD iLoc HHZ HHZ _
CSKK 0.14 38.3 Lg 03:19:30.790 0.3 T__ ___ 876998 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 0.6 magdef=1
(Station ML: 0.6 magdef=1
HU08A 0.23 321.7 Lg 03:19:32.908 -0.0 T__ 41.0 ___ 876999 FDSN Z6 00 BUD iLoc HHN ??? _
MPLH 0.41 258.7 Pg 03:19:32.476 0.2 T__ ___ 876996 FDSN HU -- BUD iLoc HHZ HHZ _
MPLH 0.41 258.7 Lg 03:19:38.082 -0.5 T__ ___ 876997 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/11 07:07:22.23 0.90 0.81 47.3161 18.3335 4.6 3.6 114 0.0f 18 12 103 0.07 1.24 sx BUD 19001766 BUD 107

```

```

Magnitude Err Nsta Author OrigID
ML 1.7 0.1 6 BUD 19001766

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CSKK 0.07 313.5 Pg 07:07:24.566 0.3 T__ 2481.1 ___ ML 1.9 877126 FDSN HU -- BUD iLoc HHZ HHZ _

```

CSKK	0.07	313.5	Lg	07:07:25.552	-0.8	T__								877127	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																							
(Station ML: 1.9 magdef=0)																							
HU08A	0.30	292.6	Pg	07:07:29.386	0.6	T__	155.2							1.3	877128	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU08A	0.30	292.6	Lg	07:07:33.111	-1.1	T__								877129	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																							
(Station ML: 1.3 magdef=0)																							
HU09A	0.32	5.9	Pg	07:07:29.532	0.4	T__	212.5							1.5	877130	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU09A	0.32	5.9	Lg	07:07:34.791	-0.3	T__								877131	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																							
(Station ML: 1.5 magdef=1)																							
A267A	0.38	164.6	Lg	07:07:35.740	-1.2	T__								877132	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.56	255.2	Pg	07:07:34.353	0.5	T__	62.2							1.6	877133	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.56	255.2	Lg	07:07:41.729	-0.8	T__								877134	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																							
(Station ML: 1.6 magdef=1)																							
HU10A	0.70	41.0	Lg	07:07:47.645	-0.7	T__								877135	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A261A	0.89	246.2	Lg	07:07:52.247	-0.3	T__								877136	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU03A	1.04	55.1	Sn	07:07:58.455	-0.8	T__								877137	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MORH	1.12	168.9	Lg	07:08:00.646	-0.2	T__								877138	FDSN	HU	--	BUD	iLoc	HHN	???	_	
ET1H	1.18	61.0	Pn	07:07:45.965	1.0	T__	41.2							1.8	877140	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	1.18	61.0	Sn	07:08:02.326	-0.6	T__								877139	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																							
(Station ML: 1.8 magdef=1)																							
PSZ	1.22	59.7	Pn	07:07:46.915	1.3	T__	40.3							1.8	877143	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.22	59.7	Sn	07:08:04.736	0.5	T__								877142	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																							
(Station ML: 1.8 magdef=1)																							
KOVH	1.24	187.5	Sn	07:08:04.444	0.5	T__								877141	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/11	08:06:50.45	1.85	1.35	48.4947	17.6610	12.7	5.9	122	0.0f		7	4	230	0.36	1.08	sx	BUD	19001768	BUD			303

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.2	3 BUD	19001768

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
JAVC	0.36	1.0	Pg	08:06:58.794	0.5					T__		187.1			ML	1.6	877173	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.36	1.0	Lg	08:07:03.104	-1.4					T__						877174	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
ZST	0.48	231.5	Lg	08:07:06.828	-1.1					T__						877172	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KRUC	1.01	304.6	Pg	08:07:11.172	1.3					T__	43.7				ML	1.7	877176	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.01	304.6	Lg	08:07:23.359	-1.3					T__						877175	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
VRAC	1.08	319.5	Pg	08:07:11.355	0.5					T__	16.6				ML	1.3	877177	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
VRAC	1.08	319.5	Lg	08:07:26.547	-0.1					T__						877178	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/11	08:14:51.81	0.94	1.28	48.2146	21.2181	5.5	4.1	167	0.0f	16	9	91	0.08	1.00	sx	BUD	19001770	BUD				155
2023/04/11	08:14:51.59	0.89	1.22	48.2470	21.2460f				0.0f	16	9	92	0.05	0.99	kx	BUD_GT	19001771	BUD_GT				151

(locality: Táillya Hungary)  
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.2	6 BUD	19001771
ML	1.7	0.2	6 BUD_GT	

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ABAH	0.05	355.1	Pg	08:14:53.810	0.6					T__		8263.7		---	ML	2.4	877213	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.05	355.1	Lg	08:14:54.869	0.1					T__				---		877217	FDSN	HU	--	BUD	iLoc	HHE	???	_	
(Reading ML: 2.4 magdef=1 Station ML: 2.4 magdef=0)																									
HU11A	0.33	189.3	Lg	08:15:02.934	-1.6					T__				---		877223	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.50	255.8	Pg	08:15:02.337	0.2					T__		78.6		---	ML	1.6	877214	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.50	255.8	Lg	08:15:08.874	-1.4					T__				---		877218	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1 Station ML: 1.6 magdef=0)																									
JOS	0.53	298.1	Pg	08:15:03.122	0.8					T__		73.0		---	ML	1.6	877215	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.53	298.1	Lg	08:15:10.462	-0.0					T__				---		877219	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1 Station ML: 1.6 magdef=1)																									
KECS	0.56	295.3	Pg	08:15:04.035	1.2					T__		107.4		---	ML	1.8	877216	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.56	295.3	Lg	08:15:11.448	0.0					T__				---		877224	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=1)																									
TRPA	0.87	97.2	Pn	08:15:09.564	-0.4					T__		101.9		---	ML	2.0	877220	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.87	97.2	Lg	08:15:22.711	-0.3					T__				---		877225	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1 Station ML: 2.0 magdef=1)																									
PSZ	0.96	250.6	Lg	08:15:23.471	-2.9					T__				---		877226	FDSN	GE	--	BUD	iLoc	HHN	???	_	
KOLS	0.97	44.4	Pn	08:15:12.498	1.0					T__				---		877221	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.97	44.4	Lg	08:15:24.987	-0.9					T__				---		877228	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ET1H	0.99	248.7	Pg	08:15:12.789	0.4					T__		37.1		---	ML	1.6	877222	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.99	248.7	Lg	08:15:24.713	-2.2					T__				---		877227	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1 Station ML: 1.6 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/11	08:32:48.54	1.01	1.51	48.6545	21.4809	8.6	4.0	160	0.0f	11	6	165	0.39	0.88	sx	BUD	19001772	BUD				230

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.3	4 BUD	19001772

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ABAH	0.39	204.2	Lg	08:33:02.235	-1.2					T__				---		877266	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOLS	0.59	61.7	Pg	08:32:59.780	-0.2					T__				---		877270	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.59	61.7	Lg	08:33:09.640	-0.1					T__				---		877271	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JOS	0.65	256.1	Pg	08:33:00.766	-0.6					T__		36.5		---	ML	1.4	877262	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.65	256.1	Lg	08:33:10.371	-0.7					T__				---		877265	FDSN	Z6	--	BUD	iLoc	HHN	???	_	

```

(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
KECS 0.68 255.8 Pg 08:33:04.841 2.7 T__ 75.6 ___ ML 1.8 877269 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.68 255.8 Lg 08:33:12.218 -0.2 T__ ___ 877272 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
HU02A 0.83 230.5 Pg 08:33:05.149 -0.5 T__ 44.3 ___ ML 1.6 877264 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.83 230.5 Lg 08:33:16.762 -1.7 T__ ___ 877263 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
TRPA 0.88 126.2 Pg 08:33:07.143 1.5 T__ 109.3 ___ ML 2.0 877267 FDSN HU -- BUD iLoc HHZ HHZ _
TRPA 0.88 126.2 Lg 08:33:18.244 -1.7 T__ ___ 877268 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1

```

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/11 08:35:30.43 2.48 0.44 48.6222 20.7820 18.9 7.0 99 0.0f 6 4 220 0.20 0.86 sx BUD 19001774 BUD 324

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
JOS 0.20 232.0 Pg 08:35:35.016 0.3 T__ 78.0 ___ ML 0.8 877295 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.20 232.0 Lg 08:35:37.929 -0.1 T__ ___ 877296 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 0.8 magdef=1
(Station ML: 0.8 magdef=1
KECS 0.24 234.9 Pg 08:35:35.578 0.1 T__ 266.8 ___ ML 1.4 877298 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.24 234.9 Lg 08:35:39.010 -0.3 T__ ___ 877297 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
HU02A 0.53 199.0 Lg 08:35:49.519 -0.5 T__ ___ 877299 FDSN Z6 00 BUD iLoc HHN ??? _
NIE 0.86 338.4 Lg 08:35:58.503 -0.3 T__ ___ 877300 FDSN PL -- BUD iLoc BHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/11 10:00:01.03 1.41 1.38 48.0951 17.0513 13.9 4.0 128 0.0f 7 4 213 0.11 1.06 sx BUD 19001776 BUD 256

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
ZST 0.11 18.7 Pg 10:00:04.217 0.4 T__ 877342 FDSN SK -- BUD iLoc HHZ ??? _
ZST 0.11 18.7 Lg 10:00:05.943 -0.3 T__ ___ 877344 FDSN SK -- BUD iLoc HHN ??? _
RONA 0.64 232.4 Pg 10:00:13.252 -0.7 T__ ___ 877345 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.64 232.4 Lg 10:00:22.236 -0.3 T__ ___ 877346 FDSN OE -- BUD iLoc HHE ??? _
CONA 0.82 258.6 Pg 10:00:18.858 1.7 T__ 45.7 ___ ML 1.6 877343 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.82 258.6 Lg 10:00:28.143 0.3 T__ ___ 877347 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=0
KRUC 1.06 336.0 Lg 10:00:35.076 -2.0 T__ ___ 877341 FDSN CZ -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp

```



2023/04/11 13:35:38.43 0.94 0.94 47.1776 19.2963 12.8 4.0 112 0.0f 12 9 147 0.76 1.37 sx BUD 19001780 BUD 160

Magnitude Err Nsta Author OrigID  
 ML 1.9 0.5 9 BUD 19001780

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
HU03A	0.76	15.7	Pg	13:35:55.692	1.4					T__		91.5		___	ML	1.9 877447	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1)																								
(Station ML: 1.9 magdef=1)																								
ET1H	0.80	28.8	Pg	13:35:55.571	0.1					T__		33.4		___	ML	1.5 877445	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.80	28.8	Lg	13:36:07.019	-0.6					T__				---		877448	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.5 magdef=1)																								
(Station ML: 1.5 magdef=0)																								
PSZ	0.84	28.4	Pg	13:35:56.323	-0.1					T__		80.4		_c_	ML	1.9 877446	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.84	28.4	Lg	13:36:07.835	-1.6					T__				---		877449	FDSN	GE	--	BUD	iLoc	HHE	???	_
(Reading ML: 1.9 magdef=1)																								
(Station ML: 1.9 magdef=1)																								
HU22A	0.86	187.7	Pg	13:35:56.148	0.5					T__		248.8		___	ML	2.4 877450	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.4 magdef=1)																								
(Station ML: 2.4 magdef=1)																								
HU21A	0.90	160.4	Pg	13:35:56.872	0.3					T__		197.6		___	ML	2.3 877451	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.3 magdef=1)																								
(Station ML: 2.3 magdef=1)																								
HU14A	0.91	143.4	Pn	13:35:57.711	0.6					T__		379.1		___	ML	2.6 877452	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.6 magdef=1)																								
(Station ML: 2.6 magdef=0)																								
A266A	0.96	227.7	Pg	13:35:57.509	-0.2					T__		182.6		___	ML	2.3 877453	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.3 magdef=1)																								
(Station ML: 2.3 magdef=1)																								
MORH	1.06	205.2	Pn	13:35:58.713	-0.5					T__		30.2		___	ML	1.6 877455	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	1.06	205.2	Lg	13:36:14.433	-0.6					T__				---		877454	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1)																								
(Station ML: 1.6 magdef=1)																								
KOVH	1.37	217.5	Pn	13:36:04.790	1.2					T__		34.0		___	ML	1.8 877456	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.8 magdef=1)																								
(Station ML: 1.8 magdef=1)																								

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/04/11 15:17:47.16 1.99 1.18 46.1360 21.5886 18.1 6.6 112 0.0f 6 3 231 0.52 1.12 sx BUD 19001782 BUD 313

Magnitude Err Nsta Author OrigID  
 ML 1.8 0.2 3 BUD 19001782

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
BZS	0.52	177.8	Pg	15:17:57.873	0.4					T__		70.3		___	ML	1.6 877491	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.52	177.8	Lg	15:18:03.873	-1.1					T__				---		877492	FDSN	RO	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1)																								
(Station ML: 1.6 magdef=1)																								
DRGR	1.02	49.4	Pg	15:18:07.534	0.1					T__		73.3		___	ML	1.9 877494	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	1.02	49.4	Lg	15:18:21.263	-1.1					T__				---		877493	FDSN	RO	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1)																								
(Station ML: 1.9 magdef=1)																								

GZR 1.12 131.3 Pg 15:18:09.365 1.0 T\_\_ 47.4 --- ML 1.8 877496 FDSN RO -- BUD iLoc HHZ HHZ \_  
 GZR 1.12 131.3 Lg 15:18:23.195 -0.7 T\_\_ --- 877495 FDSN RO -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.8 magdef=1  
 (Station ML: 1.8 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/12	08:17:16.39	1.02	0.84	46.1869	18.2809	9.1	3.7	153	0.0f	5	3	148	0.16	0.34	sx	BUD	19001794	BUD				274

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
KOVH	0.16	232.0	Pg	08:17:20.422	0.2					T__		609.8		---	ML	1.5	878562	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.16	232.0	Lg	08:17:23.158	-0.2					T__				---		878563	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1 (Station ML: 1.5 magdef=1																									
MORH	0.25	83.5	Pg	08:17:22.468	0.4					T__		234.6		---	ML	1.4	878560	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.25	83.5	Lg	08:17:25.512	-1.0					T__				---		878561	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1 (Station ML: 1.4 magdef=1																									
A266A	0.34	358.1	Lg	08:17:29.121	-0.3					T__				---		878564	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/04/12	08:22:41.19	0.90	1.45	48.5068	18.7662	7.3	3.8	23	0.0f	16	12	79	0.68	1.66	sx	BUD	19001796	BUD					121

Magnitude Err Nsta Author OrigID  
 ML 1.8 0.1 7 BUD 19001796

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU10A	0.68	165.6	Lg	08:23:05.349	-0.8					T__				---		878604	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
JAVC	0.81	296.3	Pg	08:22:58.280	0.5					T__		84.1		---	ML	1.9	878606	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.81	296.3	Lg	08:23:07.649	-2.6					T__				---		878605	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1 (Station ML: 1.9 magdef=1																									
PSZ	0.96	127.5	Pn	08:23:01.234	0.1					T__		53.8		---	ML	1.8	878602	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.96	127.5	Lg	08:23:14.121	-1.5					T__				---		878607	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1 (Station ML: 1.8 magdef=1																									
ET1H	0.97	129.9	Pn	08:23:02.171	1.1					T__		39.1		---	ML	1.6	878603	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=0																									
MODS	1.00	262.9	Lg	08:23:17.187	0.6					T__				---		878608	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KECS	1.14	90.5	Lg	08:23:20.482	-0.1					T__				---		878599	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	1.18	89.9	Pn	08:23:05.578	1.6					T__		44.7		---	ML	1.8	878598	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	1.18	89.9	Lg	08:23:20.591	-1.1					T__				---		878613	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1 (Station ML: 1.8 magdef=1																									
HU08A	1.22	208.1	Sn	08:23:23.149	0.3					T__				---		878609	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	1.24	107.5	Pn	08:23:05.748	0.9					T__		31.5		---	ML	1.7	878600	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.24	107.5	Sn	08:23:22.127	-1.5					T__				---		878610	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1																									

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(Station ML: 1.7 magdef=1
NIE 1.36 47.4 Pn 08:23:09.693 2.8 T__ 39.4 ___ ML 1.9 878611 FDSN PL -- BUD iLoc BHZ BHZ _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
MORC 1.50 328.2 Lg 08:23:29.451 -0.5 T__ 878612 FDSN CZ -- BUD iLoc HHN ??? _
ABAH 1.66 96.4 Pg 08:23:14.520 1.0 T__ 52.4 ___ ML 2.1 878601 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=0

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/12 08:30:21.04 1.35 0.97 48.8693 21.1364 7.9 7.2 113 0.0f 12 9 117 0.54 1.61 sx BUD 19001798 BUD 205

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Magnitude Err Nsta Author OrigID
ML 1.5 0.0 3 BUD 19001798

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
JOS 0.54 226.8 Pg 08:30:32.171 0.3 T__ 51.1 ___ ML 1.5 878650 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.54 226.8 Lg 08:30:39.730 -0.4 T__ 878653 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
ABAH 0.58 173.1 Lg 08:30:41.242 -1.1 T__ 878654 FDSN HU -- BUD iLoc HHN ??? _
KECS 0.58 228.4 Lg 08:30:40.880 -0.4 T__ 878649 FDSN SK -- BUD iLoc EHN ??? _
KOLS 0.75 84.7 Lg 08:30:46.923 -0.7 T__ 878656 FDSN SK -- BUD iLoc HHN ??? _
NIE 0.78 315.3 Lg 08:30:45.841 -1.0 T__ 878655 FDSN PL -- BUD iLoc BHN ??? _
HU02A 0.85 208.8 Pg 08:30:39.538 1.0 T__ 33.6 ___ ML 1.5 878652 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.85 208.8 Lg 08:30:50.354 -1.3 T__ 878651 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
PSZ 1.26 221.5 Sn 08:31:04.070 -0.1 T__ 878657 FDSN GE -- BUD iLoc HHN ??? _
ET1H 1.30 220.9 Sn 08:31:04.975 0.3 T__ 878658 FDSN HU -- BUD iLoc HHN ??? _
OJC 1.61 327.7 Pn 08:30:51.871 1.6 T__ 54.1 ___ ML 2.1 878660 FDSN PL -- BUD iLoc BHZ BHZ _
OJC 1.61 327.7 Sn 08:31:13.673 0.5 T__ 878659 FDSN PL -- BUD iLoc BHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/12 08:35:22.11 1.01 0.90 45.6572 17.2774 6.8 5.5 122 0.0f 10 6 125 0.72 1.29 sx BUD 19001800 BUD 219

```

```

Magnitude Err Nsta Author OrigID
ML 1.9 0.0 5 BUD 19001800

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
KOVH 0.72 52.8 Pg 08:35:37.260 0.3 T__ 319.3 ___ ML 2.4 878688 FDSN HU -- BUD iLoc HHZ HHZ _
KOVH 0.72 52.8 Lg 08:35:46.415 -0.8 T__ 878690 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=0
BEHE 0.89 336.9 Lg 08:35:51.657 -0.7 T__ 878691 FDSN HU -- BUD iLoc HHN ??? _
BLY 0.91 184.2 Pg 08:35:39.434 -0.4 T__ 92.1 ___ ML 2.0 878693 FDSN MN -- BUD iLoc HHZ HHZ _
BLY 0.91 184.2 Lg 08:35:52.465 1.1 T__ 878692 FDSN MN -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1

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```

(Station ML: 2.0 magdef=1
PTJ 0.95 285.7 Pg 08:35:41.348 0.3 T__ 81.4 ___ ML 1.9 878689 FDSN CR -- BUD iLoc BHZ BHZ _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
MORH 1.10 59.2 Pn 08:35:44.401 0.7 T__ 60.0 ___ ML 1.9 878695 FDSN HU -- BUD iLoc HHZ HHZ _
MORH 1.10 59.2 Sn 08:35:58.964 -1.1 T__ ___ 878694 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
CRES 1.29 278.2 Pg 08:35:46.761 -0.0 T__ 35.5 ___ ML 1.8 878697 FDSN SL -- BUD iLoc BHZ BHZ _
CRES 1.29 278.2 Sn 08:36:03.964 -1.1 T__ ___ 878696 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=0

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/12 08:46:55.23 1.61 0.82 48.9244 19.6651 12.7 4.9 91 0.0f 12 7 227 0.65 1.22 sx BUD 19001802 BUD 308

```

```

Magnitude Err Nsta Author OrigID
ML 1.7 0.2 5 BUD 19001802

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
NIE 0.65 39.9 Pg 08:47:07.622 0.1 T__ 27.1 ___ ML 1.3 878751 FDSN PL -- BUD iLoc BHZ BHZ _
NIE 0.65 39.9 Lg 08:47:16.352 -0.4 T__ ___ 878752 FDSN PL -- BUD iLoc BHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=0
KECS 0.70 128.8 Lg 08:47:18.890 -0.7 T__ ___ 878753 FDSN SK -- BUD iLoc EHN ??? _
JOS 0.72 126.2 Pg 08:47:10.518 1.0 T__ 38.7 ___ ML 1.5 878746 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.72 126.2 Lg 08:47:19.673 -0.6 T__ ___ 878754 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
HU02A 0.99 144.2 Pn 08:47:14.946 -0.5 T__ 54.8 ___ ML 1.8 878747 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.99 144.2 Lg 08:47:29.041 -0.6 T__ ___ 878748 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
PSZ 1.02 171.3 Pn 08:47:16.479 0.4 T__ 39.9 ___ ML 1.7 878749 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 1.02 171.3 Lg 08:47:30.660 -1.0 T__ ___ 878755 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
ET1H 1.06 172.4 Lg 08:47:31.894 -0.5 T__ ___ 878750 FDSN HU -- BUD iLoc HHN ??? _
ABAH 1.22 120.4 Pn 08:47:19.771 1.2 T__ 45.3 ___ ML 1.8 878757 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 1.22 120.4 Lg 08:47:35.868 -0.7 T__ ___ 878756 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=0

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/12 08:58:48.14 0.98 1.23 48.4752 17.2618 9.3 3.7 117 0.0f 6 4 165 0.30 1.08 sx BUD 19001806 BUD 244

```

```

Magnitude Err Nsta Author OrigID

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```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
ZST 0.30 200.9 Pg 08:58:55.262 0.7 T__ ___ 878839 FDSN SK -- BUD iLoc HHZ ??? _

```

ZST	0.30	200.9	Lg	08:58:58.105	-1.6	T__									878840	FDSN	SK	--	BUD	iLoc	HHN	???	_		
JAVC	0.47	35.1	Pg	08:58:58.616	0.5	T__					96.6			---	ML	1.6	878838	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.47	35.1	Lg	08:59:04.790	-1.0	T__										878841	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1																									
(Station ML: 1.6 magdef=0																									
KRUC	0.82	316.0	Lg	08:59:15.380	-0.7	T__										878842	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
CONA	1.08	240.2	Lg	08:59:23.409	-0.2	T__										878843	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/12	09:42:00.03	1.41	1.31	48.5261	20.7720	10.4	3.8	12	0.0f		10	6	208	0.16	1.24	sx	BUD	19001810	BUD			227

Magnitude	Err	Nsta	Author	OrigID
ML	1.1	0.2	4 BUD	19001810

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
JOS	0.16	259.0	Pg	09:42:03.640	0.2					T__		193.6			---	ML	1.0	878893	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.16	259.0	Lg	09:42:06.238	0.1					T__							878892	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1																										
(Station ML: 1.0 magdef=1																										
KECS	0.20	257.4	Pg	09:42:04.183	0.0					T__		784.3			---	ML	1.7	878890	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.20	257.4	Lg	09:42:07.281	-0.1					T__							878891	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.7 magdef=1																										
(Station ML: 1.7 magdef=1																										
ABAH	0.39	126.3	Pg	09:42:08.367	0.3					T__		72.3			---	ML	1.2	878895	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.39	126.3	Lg	09:42:13.946	-0.9					T__							878896	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1																										
(Station ML: 1.2 magdef=1																										
HU02A	0.44	202.3	Pg	09:42:09.538	0.2					T__		27.6			---	ML	1.0	878894	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.44	202.3	Lg	09:42:17.161	0.7					T__							878897	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1																										
(Station ML: 1.0 magdef=1																										
ET1H	0.88	223.3	Lg	09:42:30.294	-1.2					T__							878898	FDSN	HU	--	BUD	iLoc	HHN	???	_	
TRPA	1.24	107.9	Sn	09:42:39.460	-3.0					T__							878899	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/12	10:44:55.64	1.01	1.03	48.4052	17.2950	7.4	3.1	113	0.0f		13	8	183	0.25	1.66	sx	BUD	19001814	BUD			204

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.2	4 BUD	19001814

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
ZST	0.25	211.6	Pg	10:45:01.320	0.3					T__							878970	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
ZST	0.25	211.6	Lg	10:45:04.471	-0.9					T__							878971	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.52	28.6	Pg	10:45:06.472	-0.1					T__		195.3			---	ML	2.0	878972	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.52	28.6	Lg	10:45:14.201	-0.7					T__							878975	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1																										
(Station ML: 2.0 magdef=1																										
KRUC	0.89	318.1	Pg	10:45:13.328	0.7					T__		59.1			---	ML	1.8	878973	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	0.89	318.1	Lg	10:45:24.378	-1.4					T__							878976	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1																										

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(Station ML: 1.8 magdef=1
RONA 0.97 223.9 Pg 10:45:14.520 -0.4 T__
VRAC 1.02 333.1 Pg 10:45:15.387 0.5 T__ 21.6 --- ML 1.4 878978 FDSN CZ -- BUD iLoc HHZ HHZ _
VRAC 1.02 333.1 Lg 10:45:28.928 -0.9 T__ --- 878977 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
CONA 1.07 244.1 Pg 10:45:16.918 0.1 T__ 70.5 --- ML 1.9 878979 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 1.07 244.1 Lg 10:45:30.289 -0.4 T__ --- 878980 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
MORC 1.38 6.7 Lg 10:45:42.142 1.5 T__ --- 878981 FDSN CZ -- BUD iLoc HHN ??? _
ARSA 1.66 226.6 Lg 10:45:50.220 1.7 T__ --- 878982 FDSN OE -- BUD iLoc HHN ??? _

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/12	12:27:03.22	1.20	0.80	47.9053	16.0908	10.2	4.1	36	0.0f	7	5	136	0.16	1.45	sx	BUD	19001820	BUD				200

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
CONA	0.16	278.6	Pg	12:27:06.472	-0.1					T__		157.7		---	ML	0.9	879065	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_	
CONA	0.16	278.6	Lg	12:27:08.601	-0.3					T__				---		879066	FDSN	OE	--	BUD	iLoc	HHN	???	_		
(Reading ML: 0.9 magdef=1 (Station ML: 0.9 magdef=0)																										
RONA	0.25	146.0	Pg	12:27:08.325	-0.1					T__				---		879068	FDSN	OE	--	BUD	iLoc	HHZ	???	_		
RONA	0.25	146.0	Lg	12:27:12.008	-0.1					T__				---		879067	FDSN	OE	--	BUD	iLoc	HHN	???	_		
ARSA	0.76	210.6	Lg	12:27:28.151	0.7					T__				---		879070	FDSN	OE	--	BUD	iLoc	HHN	???	_		
KRUC	1.18	9.8	Sn	12:27:42.029	-1.1					T__				---		879069	FDSN	CZ	--	BUD	iLoc	HHN	???	_		
TREC	1.45	344.1	Lg	12:27:51.231	0.9					T__				---		879071	FDSN	CZ	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/04/12	13:02:07.49	3.15	0.85	47.5823	18.4512	25.8	5.3	97	0.0f	5	4	232	0.07	0.74	sx	BUD	19001822	BUD					258
2023/04/12	13:02:07.16	1.01	0.89	47.5600	18.4573f				0.0f	5	4	235	0.09	0.74	kx	BUD_GT	19001823	BUD_GT					259

(locality: Tatabánya Hungary)  
(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
HU09A	0.09	327.2	Pg	13:02:09.555	-0.0					T__		1485.9		---	ML	1.7	879086	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU09A	0.09	327.2	Lg	13:02:10.704	-1.2					T__				---		879087	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=0)																										
CSKK	0.24	214.2	Lg	13:02:17.454	0.4					T__				---		879088	FDSN	HU	--	BUD	iLoc	HHN	???	_		
SRO	0.27	339.1	Lg	13:02:17.944	-0.1					T__				---		879090	FDSN	SK	--	BUD	iLoc	EHN	???	_		
MPLH	0.74	238.3	Lg	13:02:34.317	1.2					T__				---		879089	FDSN	HU	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/04/13	05:09:06.49	2.37	1.15	45.5727	16.0995	17.3	8.5	156	10.7	14.9	14	9	226	0.27	1.89	ke	BUD	19001832	BUD				238

Magnitude Err Nsta Author OrigID  
 ML 2.0 0.2 5 BUD 19001832

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ZAG	0.27	342.8	Lg	05:09:18.140	2.0					T__						881326	FDSN	CR	--	BUD	iLoc	BHN	???	_	
PTJ	0.35	344.7	Pg	05:09:13.371	-0.5					T__		152.8			ML	1.4	881319	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.35	344.7	Lg	05:09:18.864	-0.5					T__						881327	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=0)																									
CRES	0.52	299.6	Pg	05:09:16.735	0.0					T__		126.8			ML	1.8	881320	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.52	299.6	Lg	05:09:24.996	0.6					T__						881321	FDSN	SL	--	BUD	iLoc	BHE	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
KOGS	0.88	6.8	Pg	05:09:22.952	-0.3					T__		98.3			ML	2.0	881322	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.88	6.8	Lg	05:09:35.961	0.8					T__						881325	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
BEHE	1.01	27.4	Pg	05:09:25.337	-0.4					T__		227.5			ML	2.4	881323	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BEHE	1.01	27.4	Sn	05:09:40.369	-0.0					T__						881329	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=0)																									
A264A	1.02	54.4	Lg	05:09:40.056	0.5					T__						881328	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A273A	1.25	73.4	Lg	05:09:47.260	0.8					T__						881330	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
OBKA	1.43	311.5	Pg	05:09:30.191	-2.3					T__		68.0			ML	2.1	881324	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
OBKA	1.43	311.5	Lg	05:09:53.484	0.8					T__						881331	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
MORH	1.89	69.2	Sn	05:10:02.255	0.9					T__						881332	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/04/13 06:09:48.27 1.10 0.59 46.0681 22.8747 14.3 4.4 83 0.0f 7 4 182 0.19 0.99 sx BUD 19001834 BUD 290

Magnitude Err Nsta Author OrigID  
 ML 1.6 0.1 3 BUD 19001834

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
DEV	0.19	173.8	Pg	06:09:51.781	-0.0					T__		637.1			ML	1.6	881362	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.19	173.8	Lg	06:09:54.506	0.1					T__						881361	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
GZR	0.68	185.8	Pg	06:10:01.383	0.1					T__		62.4			ML	1.7	881365	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	0.68	185.8	Lg	06:10:10.858	-0.0					T__						881364	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
DRGR	0.73	351.2	Pg	06:10:03.321	0.3					T__		44.5			ML	1.6	881359	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	0.73	351.2	Lg	06:10:13.754	-1.1					T__						881360	FDSN	RO	--	BUD	iLoc	HHE	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
BZS	0.99	243.3	Lg	06:10:21.334	-0.1					T__						881363	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/13	06:48:00.52	1.38	1.20	47.9899	20.6543	8.2	5.0	167	0.0f	9	6	206	0.16	0.54	sx	BUD	19001836	BUD				266
2023/04/13	06:48:01.32	0.94	1.51	48.0471	20.6805f				0.0f	9	6	196	0.13	0.57	kx	BUD_GT	19001837	BUD_GT				264

(locality: Miskolc-Mexikóvölgy Hungary)  
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.0	3 BUD	19001837
ML	1.4	0.1	3 BUD_GT	

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L								
HU02A	0.13	305.8	Pg	06:48:05.069	0.5					T__		578.4		---	ML	1.4	881391	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_							
HU02A	0.13	305.8	Lg	06:48:06.609	-0.7					T__				---		881392	FDSN	Z6	00	BUD	iLoc	HHN	???	_								
				(Reading ML: 1.4 magdef=1)		(Station ML: 1.4 magdef=1)																										
ABAH	0.45	56.1	Pg	06:48:11.345	0.8					T__		63.8		---	ML	1.4	881394	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_							
ABAH	0.45	56.1	Lg	06:48:17.562	-0.9					T__				---		881393	FDSN	HU	--	BUD	iLoc	HHN	???	_								
				(Reading ML: 1.4 magdef=1)		(Station ML: 1.4 magdef=1)																										
KECS	0.46	343.5	Lg	06:48:17.973	0.3					T__				---		881395	FDSN	SK	--	BUD	iLoc	EHN	???	_								
JOS	0.46	348.2	Pg	06:48:11.731	1.1					T__		48.9		---	ML	1.3	881390	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_							
JOS	0.46	348.2	Lg	06:48:17.906	0.1					T__				---		881396	FDSN	Z6	--	BUD	iLoc	HHN	???	_								
				(Reading ML: 1.3 magdef=1)		(Station ML: 1.3 magdef=1)																										
PSZ	0.54	256.6	Lg	06:48:18.937	-2.8					T__				---		881397	FDSN	GE	--	BUD	iLoc	HHN	???	_								
ET1H	0.57	253.1	Lg	06:48:19.547	-2.6					T__				---		881398	FDSN	HU	--	BUD	iLoc	HHN	???	_								

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/13	07:51:49.95	1.02	1.46	46.0378	22.8973	7.1	4.4	88	0.0f	10	6	105	0.15	0.99	sx	BUD	19001838	BUD				162

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.0	5 BUD	19001838

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L								
DEV	0.15	178.4	Pg	07:51:52.718	-0.2					T__		853.8		---	ML	1.7	881427	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_							
DEV	0.15	178.4	Lg	07:51:56.125	1.0					T__				---		881426	FDSN	RO	--	BUD	iLoc	HHN	???	_								
				(Reading ML: 1.7 magdef=1)		(Station ML: 1.7 magdef=1)																										
GZR	0.65	187.5	Pg	07:52:02.339	-0.1					T__		66.0		---	ML	1.7	881428	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_							
GZR	0.65	187.5	Lg	07:52:11.451	-0.2					T__				---		881429	FDSN	RO	--	BUD	iLoc	HHN	???	_								
				(Reading ML: 1.7 magdef=1)		(Station ML: 1.7 magdef=1)																										
DRGR	0.76	350.4	Pg	07:52:05.734	0.4					T__		56.2		---	ML	1.7	881432	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_							
				(Reading ML: 1.7 magdef=1)		(Station ML: 1.7 magdef=1)																										
CJR	0.83	35.4	Lg	07:52:17.812	-1.5					T__				---		881435	FDSN	RO	--	BUD	iLoc	HHN	???	_								
LOT	0.85	133.7	Pg	07:52:07.496	1.2					T__		62.4		---	ML	1.8	881431	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_							
LOT	0.85	133.7	Lg	07:52:15.928	-2.8					T__				---		881430	FDSN	RO	--	BUD	iLoc	HHN	???	_								
				(Reading ML: 1.8 magdef=1)		(Station ML: 1.8 magdef=0)																										
BZS	0.99	245.3	Pg	07:52:09.833	0.6					T__		27.5		---	ML	1.5	881433	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_							
BZS	0.99	245.3	Lg	07:52:21.841	-1.3					T__				---		881434	FDSN	RO	--	BUD	iLoc	HHN	???	_								



(Reading ML: 1.5 magdef=1  
 (Station ML: 1.5 magdef=0

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/13	08:12:04.28	1.30	0.71	47.4524	18.7060	9.6	3.9	166	0.0f	9	8	172	0.22	1.40	sx	BUD	19001840	BUD				192

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
BUD	0.22	81.7	Lg	08:12:13.741	0.2					T__						881467	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU09A	0.29	310.5	Lg	08:12:15.806	-0.0					T__						881466	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CSKK	0.32	253.7	Lg	08:12:16.751	-0.2					T__						881468	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU10A	0.45	28.2	Pg	08:12:14.216	0.4					T__		82.0		---	ML	1.5	881469	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU10A	0.45	28.2	Lg	08:12:20.909	-0.4					T__						881470	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

(Reading ML: 1.5 magdef=1  
 (Station ML: 1.5 magdef=0

HU08A	0.53	268.0	Lg	08:12:23.317	-0.7					T__						881465	FDSN	Z6	00	BUD	iLoc	HHN	???	_
ET1H	0.90	61.1	Lg	08:12:35.770	-0.8					T__						881463	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	0.93	59.4	Lg	08:12:37.047	-1.0					T__						881464	FDSN	GE	--	BUD	iLoc	HHN	???	_
HU02A	1.40	60.7	Sn	08:12:51.014	0.7					T__						881462	FDSN	Z6	00	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/13	08:23:26.23	1.37	1.06	48.5292	17.5697	11.3	4.3	121	0.0f	9	6	211	0.34	1.29	sx	BUD	19001844	BUD				224

Magnitude Err Nsta Author OrigID  
 ML 1.8 0.4 3 BUD 19001844

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
JAVC	0.34	11.4	Pg	08:23:33.483	-0.0					T__		147.3		---	ML	1.4	881541	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.34	11.4	Lg	08:23:38.593	-0.7					T__						881549	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.4 magdef=1  
 (Station ML: 1.4 magdef=1

ZST	0.46	223.2	Lg	08:23:41.941	-1.1					T__						881546	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KRUC	0.94	304.9	Pg	08:23:44.889	0.6					T__		54.8		---	ML	1.8	881542	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	0.94	304.9	Lg	08:23:57.026	-1.1					T__						881543	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.8 magdef=1  
 (Station ML: 1.8 magdef=1

RONA	1.19	226.3	Lg	08:24:06.207	1.0					T__						881547	FDSN	OE	--	BUD	iLoc	HHN	???	_	
MORC	1.25	359.2	Lg	08:24:08.238	1.4					T__						881548	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
CONA	1.29	242.9	Pn	08:23:50.429	-0.8					T__		68.6		---	ML	2.1	881545	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	1.29	242.9	Lg	08:24:08.144	-0.1					T__						881544	FDSN	OE	--	BUD	iLoc	HHN	???	_	

(Reading ML: 2.1 magdef=1  
 (Station ML: 2.1 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/13	08:47:47.53	0.94	1.27	47.7949	19.1330	8.7	3.6	168	0.0f	13	9	166	0.09	1.17	sx	BUD	19001846	BUD				173

Magnitude Err Nsta Author OrigID  
 ML 1.7 0.0 5 BUD 19001846

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU10A	0.09	303.2	Pg	08:47:50.610	0.7					T__		1123.5		---	ML	1.6	881580	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU10A	0.09	303.2	Lg	08:47:50.919	-1.1					T__				---		881583	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
HU03A	0.33	70.7	Lg	08:47:59.718	-0.5					T__				---		881584	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ET1H	0.50	80.1	Lg	08:48:05.324	-0.9					T__				---		881585	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	0.53	76.2	Lg	08:48:06.213	-1.3					T__				---		881586	FDSN	GE	--	BUD	iLoc	HHN	???	_	
HU09A	0.53	253.1	Lg	08:48:05.936	-1.5					T__				---		881587	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU08A	0.90	246.5	Pg	08:48:06.612	1.2					T__		51.5		---	ML	1.7	881589	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU08A	0.90	246.5	Lg	08:48:18.109	-1.4					T__				---		881588	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
HU02A	0.99	70.2	Pn	08:48:08.985	1.3					T__		32.6		---	ML	1.6	881582	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.99	70.2	Lg	08:48:22.441	-1.2					T__				---		881581	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=0)																									
KECS	1.14	52.3	Pn	08:48:10.478	0.8					T__		84.6		---	ML	2.1	881590	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=0)																									
JOS	1.17	52.8	Pn	08:48:11.146	1.0					T__		36.8		---	ML	1.7	881591	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	1.17	52.8	Sn	08:48:26.816	-1.1					T__				---		881592	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/13	08:50:36.96	1.37	0.65	48.5268	20.8402	10.0	5.6	6	0.0f		10	8	164	0.20	1.20	sx	BUD	19001848	BUD			207

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
JOS	0.20	261.3	Pg	08:50:41.412	0.2					T__		263.8		---	ML	1.3	881622	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.20	261.3	Lg	08:50:44.861	0.3					T__				---		881623	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
KECS	0.24	259.7	Pg	08:50:42.008	0.0					T__		1038.0		---	ML	2.0	881621	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.24	259.7	Lg	08:50:45.628	-0.2					T__				---		881624	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
ABAH	0.35	130.8	Lg	08:50:50.923	0.4					T__				---		881625	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU02A	0.46	207.6	Lg	08:50:54.045	-0.0					T__				---		881626	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.88	226.4	Lg	08:51:07.647	-1.0					T__				---		881627	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	0.92	225.4	Lg	08:51:09.427	-0.1					T__				---		881628	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOLS	1.03	66.3	Lg	08:51:11.538	-1.2					T__				---		881629	FDSN	SK	--	BUD	iLoc	HHN	???	_	
TRPA	1.20	108.6	Sn	08:51:18.335	-0.0					T__				---		881630	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/13	09:22:06.38	0.93	1.10	48.2340	21.2133	5.4	4.3	164	0.0f		16	10	89	0.06	1.33	sx	BUD	19001850	BUD			152
2023/04/13	09:22:06.05	0.90	0.83	48.2470	21.2460f				0.0f		16	10	92	0.05	1.33	kx	BUD_GT	19001851	BUD_GT			151

(locality: Tálya Hungary)  
 (GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID  
 ML 1.8 0.1 6 BUD\_GT 19001851

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
ABAH	0.05	355.1	Pg	09:22:08.346	0.7					T__		24664.4		_c_	ML	2.8 881695	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.05	355.1	Lg	09:22:09.123	-0.1					T__				---		881694	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.8 magdef=1 Station ML: 2.8 magdef=0)																								
HU11A	0.33	189.3	Lg	09:22:17.991	-1.0					T__				---		881696	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU02A	0.50	255.8	Pg	09:22:16.522	-0.1					T__		90.6		_c_	ML	1.6 881692	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.50	255.8	Lg	09:22:22.739	-2.0					T__				---		881697	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1 Station ML: 1.6 magdef=0)																								
JOS	0.53	298.1	Pg	09:22:17.725	1.0					T__		93.0		---	ML	1.7 881693	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.53	298.1	Lg	09:22:24.538	-0.4					T__				---		881698	FDSN	Z6	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=1)																								
KECS	0.56	295.3	Lg	09:22:25.198	-0.7					T__				---		881699	FDSN	SK	--	BUD	iLoc	EHN	???	_
TRPA	0.87	97.2	Pn	09:22:24.761	0.4					T__		98.9		---	ML	2.0 881707	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.87	97.2	Lg	09:22:36.769	-0.7					T__				---		881700	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.0 magdef=1 Station ML: 2.0 magdef=1)																								
PSZ	0.96	250.6	Pg	09:22:26.923	0.6					T__		61.5		---	ML	1.8 881701	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.96	250.6	Lg	09:22:40.039	-0.8					T__				---		881702	FDSN	GE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=1)																								
KOLS	0.97	44.4	Lg	09:22:39.185	-1.1					T__				---		881703	FDSN	SK	--	BUD	iLoc	HHN	???	_
ET1H	0.99	248.7	Pg	09:22:26.790	-0.0					T__		39.1		---	ML	1.6 881705	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.99	248.7	Lg	09:22:40.758	-0.6					T__				---		881704	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1 Station ML: 1.6 magdef=1)																								
NIE	1.33	332.3	Lg	09:22:50.894	0.3					T__				---		881706	FDSN	PL	--	BUD	iLoc	BHN	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/04/13 10:31:18.41 0.91 0.55 48.1248 16.9607 6.2 3.8 124 0.0f 13 8 104 0.12 1.31 sx BUD 19001852 BUD 173

Magnitude Err Nsta Author OrigID  
 ML 1.7 0.3 4 BUD 19001852

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
ZST	0.12	53.0	Pg	10:31:21.398	-0.0					T__				---		881766	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.12	53.0	Lg	10:31:23.591	-0.4					T__				---		881767	FDSN	SK	--	BUD	iLoc	HHN	???	_
RONA	0.62	226.7	Pg	10:31:30.553	-0.2					T__				---		881763	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.62	226.7	Lg	10:31:39.730	0.7					T__				---		881762	FDSN	OE	--	BUD	iLoc	HHN	???	_
CONA	0.76	255.5	Pg	10:31:33.470	-0.1					T__		40.7		---	ML	1.5 881761	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.76	255.5	Lg	10:31:43.456	-0.1					T__				---		881760	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=1)																								
JAVC	0.87	32.5	Pg	10:31:36.847	0.5					T__		62.4		---	ML	1.8 881768	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_

```

(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
KRUC 1.01 338.4 Lg 10:31:52.271 -0.5 T__ --- 881772 FDSN CZ -- BUD iLoc HHN ??? _
MPLH 1.03 157.5 Lg 10:31:53.398 -0.5 T__ --- 881769 FDSN HU -- BUD iLoc HHN ??? _
VRAC 1.21 348.5 Pg 10:31:41.593 0.3 T__ 15.0 --- ML 1.3 881771 FDSN CZ -- BUD iLoc HHZ HHZ _
VRAC 1.21 348.5 Lg 10:31:58.456 -0.6 T__ --- 881770 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
ARSA 1.31 228.5 Pg 10:31:45.053 0.8 T__ 64.4 --- ML 2.0 881765 FDSN OE -- BUD iLoc HHZ HHZ _
ARSA 1.31 228.5 Sn 10:32:02.256 0.6 T__ --- 881764 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/13 10:57:22.56 1.34 0.72 48.4462 20.8602 8.0 5.1 40 0.0f 9 6 197 0.22 0.87 sx BUD 19001854 BUD 291

```

```

Magnitude Err Nsta Author OrigID
ML 1.3 0.5 3 BUD 19001854

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
JOS 0.22 283.2 Pg 10:57:27.322 0.2 T__ 261.0 --- ML 1.3 881799 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.22 283.2 Lg 10:57:30.143 -0.6 T__ --- 881802 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
KECS 0.25 278.6 Pg 10:57:27.982 0.2 T__ 451.2 --- ML 1.7 881800 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.25 278.6 Lg 10:57:31.463 -0.4 T__ --- 881803 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
ABAH 0.29 120.6 Lg 10:57:34.039 -0.1 T__ --- 881807 FDSN HU -- BUD iLoc HHN ??? _
HU02A 0.39 214.7 Pg 10:57:31.011 -0.0 T__ 35.1 --- ML 0.9 881801 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.39 214.7 Lg 10:57:36.568 -1.0 T__ --- 881804 FDSN Z6 00 BUD iLoc HHE ??? _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=1
PSZ 0.83 231.1 Lg 10:57:53.679 0.9 T__ --- 881805 FDSN GE -- BUD iLoc HHN ??? _
ET1H 0.87 229.8 Lg 10:57:54.523 0.9 T__ --- 881806 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/13 13:14:26.03 1.37 0.72 47.1491 19.3623 37.9 4.6 120 0.0f 8 5 183 0.77 1.06 sx BUD 19001858 BUD 205

```

```

Magnitude Err Nsta Author OrigID
ML 1.8 0.2 5 BUD 19001858

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
HU03A 0.77 11.9 Pg 13:14:42.670 0.4 T__ 104.7 --- ML 1.9 881884 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
ET1H 0.81 25.1 Pg 13:14:43.711 0.6 T__ 30.6 --- ML 1.4 881881 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.81 25.1 Lg 13:14:54.868 -0.5 T__ --- 881882 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=0

```

```

PSZ 0.85 24.9 Pn 13:14:44.606 0.3 T__ 72.5 ___ ML 1.8 881880 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.85 24.9 Lg 13:14:56.082 -1.2 T__ ___ 881883 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
A266A 0.98 230.8 Pg 13:14:45.776 0.1 T__ 171.1 ___ ML 2.3 881885 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=0
MORH 1.06 208.2 Pn 13:14:47.198 0.5 T__ 39.9 ___ ML 1.7 881886 FDSN HU -- BUD iLoc HHZ HHZ _
MORH 1.06 208.2 Lg 13:15:02.002 -0.5 T__ ___ 881887 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/13 17:14:31.40 1.99 0.68 45.9295 18.7322 13.5 6.3 150 10.0f 8 6 154 0.29 1.08 ke BUD 19001864 BUD 230

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
MORH 0.29 347.8 Pg 17:14:37.537 -0.1 T__ 59.1 ___ ML 0.9 882715 FDSN HU -- BUD iLoc HHZ HHZ _
MORH 0.29 347.8 Lg 17:14:41.923 -0.4 T__ ___ 882716 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=1
KOVH 0.47 290.0 Pg 17:14:41.092 0.1 T__ 50.4 ___ ML 1.3 882714 FDSN HU -- BUD iLoc HHZ HHZ _
KOVH 0.47 290.0 Lg 17:14:47.182 -0.5 T__ ___ 882713 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
HU22A 0.49 34.7 Lg 17:14:49.214 0.0 T__ ___ 882717 FDSN Z6 00 BUD iLoc HHN ??? _
A266A 0.68 331.6 Lg 17:14:55.743 1.1 T__ ___ 882718 FDSN Z6 00 BUD iLoc HHN ??? _
HU21A 0.80 59.4 Sn 17:15:00.224 0.8 T__ ___ 882719 FDSN Z6 00 BUD iLoc HHN ??? _
FRGS 1.08 135.2 Sn 17:15:06.604 -0.0 T__ ___ 882720 FDSN SJ -- BUD iLoc BHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/13 19:10:09.56 1.24 0.80 47.7427 22.4019 8.6 6.4 172 11.5 21.5 17 11 90 0.40 1.48 ke BUD 19001866 BUD 162

```

Magnitude Err Nsta Author OrigID  
ML 1.8 0.0 5 BUD 19001866

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
TRPA 0.40 13.3 Pg 19:10:17.792 0.2 T__ 108.8 ___ ML 1.4 882762 FDSN HU -- BUD iLoc HHZ HHZ _
TRPA 0.40 13.3 Lg 19:10:23.182 -1.0 T__ ___ 882763 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=0
HU07A 0.41 306.2 Pg 19:10:18.254 0.4 T__ 266.9 ___ ML 1.9 882753 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU07A 0.41 306.2 Lg 19:10:24.646 0.1 T__ ___ 882768 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
BMR 0.74 94.9 Lg 19:10:34.562 -0.4 T__ ___ 882769 FDSN R0 -- BUD iLoc HHN ??? _
HU11A 0.85 282.8 Pg 19:10:26.491 -0.1 T__ 252.4 ___ ML 2.4 882755 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU11A 0.85 282.8 Lg 19:10:38.847 0.1 T__ ___ 882754 FDSN Z6 00 BUD iLoc HHE ??? _
(Reading ML: 2.4 magdef=1

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```

(Station ML: 2.4 magdef=0
HU05A 0.88 257.9 Lg 19:10:40.051 0.5 T__
ABAH 0.96 305.8 Pg 19:10:27.788 -0.4 T__ 61.8 --- ML 1.8 882764 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.96 305.8 Lg 19:10:40.550 -1.4 T__ --- 882765 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
DRGR 0.97 167.4 Lg 19:10:42.050 -0.3 T__ --- 882756 FDSN RO -- BUD iLoc HHN ??? _
KOLS 1.19 355.9 Pg 19:10:32.059 -0.0 T__ --- 882766 FDSN SK -- BUD iLoc HHZ ??? _
KOLS 1.19 355.9 Lg 19:10:49.398 0.2 T__ --- 882767 FDSN SK -- BUD iLoc HHE ??? _
HU02A 1.32 287.4 Sn 19:10:51.203 0.4 T__ --- 882757 FDSN Z6 00 BUD iLoc HHN ??? _
JOS 1.46 301.8 Pn 19:10:34.865 0.3 T__ 32.9 --- ML 1.8 882759 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 1.46 301.8 Sn 19:10:55.458 1.6 T__ --- 882760 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
KECS 1.48 300.7 Sn 19:10:55.814 1.3 T__ --- 882761 FDSN SK -- BUD iLoc EHE ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/14 08:06:05.15 3.94 0.66 48.5493 20.8921 22.0 13.6 66 0.0f 7 5 312 0.24 0.96 sx BUD 19001874 BUD 328

```

```

Magnitude Err Nsta Author OrigID

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
JOS 0.24 257.3 Pg 08:06:10.273 0.1 T__ 116.4 --- ML 1.0 883279 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.24 257.3 Lg 08:06:13.882 -0.1 T__ --- 883280 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=1
KECS 0.28 256.4 Pg 08:06:10.762 -0.1 T__ 316.7 --- ML 1.6 883281 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.28 256.4 Lg 08:06:15.415 0.1 T__ --- 883282 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
HU02A 0.49 210.0 Lg 08:06:23.506 -0.0 T__ --- 883283 FDSN Z6 00 BUD iLoc HHN ??? _
PSZ 0.92 226.9 Lg 08:06:38.368 0.1 T__ --- 883285 FDSN GE -- BUD iLoc HHN ??? _
ET1H 0.96 225.9 Sn 08:06:39.006 -1.3 T__ --- 883284 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/14 08:48:59.49 1.01 0.54 47.8825 19.8436 9.3 3.3 178 0.0f 10 6 177 0.02 0.77 sx BUD 19001876 BUD 295

```

```

Magnitude Err Nsta Author OrigID
ML 1.4 0.1 4 BUD 19001876

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
ET1H 0.02 100.3 Pg 08:49:00.319 -0.0 T__ 1935.0 _c_ ML 1.6 883333 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.02 100.3 Lg 08:49:01.575 0.1 T__ --- 883334 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
PSZ 0.05 43.6 Pg 08:49:01.277 0.0 T__ 916.1 --- ML 1.4 883332 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.05 43.6 Lg 08:49:03.193 0.1 T__ --- 883338 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
HU03A 0.17 277.5 Pg 08:49:03.385 0.0 T__ 352.8 --- ML 1.3 883335 FDSN Z6 00 BUD iLoc HHZ HHZ _

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```

HU03A  0.17 277.5 Lg      08:49:06.366 -0.0      T__      ---      883336      FDSN Z6      00 BUD      iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
HU02A  0.52 62.1 Pg      08:49:11.135  0.7      T__      37.9      --- ML      1.3 883337      FDSN Z6      00 BUD      iLoc HHZ HHZ _
HU02A  0.52 62.1 Lg      08:49:17.735 -1.2      T__      ---      883339      FDSN Z6      00 BUD      iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
KECS   0.74 35.3 Lg      08:49:25.594  0.1      T__      ---      883340      FDSN SK      -- BUD      iLoc EHN ??? _
JOS    0.77 36.9 Lg      08:49:26.158 -0.4      T__      ---      883341      FDSN Z6      -- BUD      iLoc HHN ??? _

```

```

Date      Time      Err      RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/14 09:06:45.55 0.97 0.95 48.2414 21.2081 7.3 4.0 163 0.0f 15 8 151 0.06 0.99 sx BUD 19001880 BUD 203
2023/04/14 09:06:45.24 0.89 1.05 48.2470 21.2460f 0.0f 15 8 151 0.05 0.99 kx BUD_GT 19001881 BUD_GT 204
(locality: Táillya Hungary)
(GT info : GT2 explosion)

```

```

Magnitude Err Nsta Author OrigID
ML 1.7 0.2 6 BUD 19001881
ML 1.7 0.2 6 BUD_GT

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
ABAH 0.05 355.1 Pg 09:06:47.352 0.5 T__ 14175.6 --- ML 2.6 883403 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.05 355.1 Lg 09:06:48.482 0.1 T__ --- 883413 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 2.6 magdef=1
(Station ML: 2.6 magdef=0
HU02A 0.50 255.8 Pg 09:06:55.997 0.2 T__ 80.2 --- ML 1.6 883404 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.50 255.8 Lg 09:07:02.833 -1.1 T__ --- 883414 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
JOS 0.53 298.1 Pg 09:06:56.614 0.7 T__ 54.8 --- ML 1.5 883405 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.53 298.1 Lg 09:07:03.683 -0.5 T__ --- 883406 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=0
KECS 0.56 295.3 Lg 09:07:04.151 -0.9 T__ --- 883407 FDSN SK -- BUD iLoc EHN ??? _
TRPA 0.87 97.2 Pn 09:07:03.684 0.1 T__ 67.0 --- ML 1.8 883415 FDSN HU -- BUD iLoc HHZ HHZ _
TRPA 0.87 97.2 Lg 09:07:16.841 0.1 T__ --- 883408 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
PSZ 0.96 250.6 Pg 09:07:05.813 0.3 T__ 72.6 --- ML 1.9 883416 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.96 250.6 Lg 09:07:17.352 -2.6 T__ --- 883409 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
KOLS 0.97 44.4 Pn 09:07:06.792 1.6 T__ --- 883412 FDSN SK -- BUD iLoc HHZ ??? _
KOLS 0.97 44.4 Lg 09:07:19.610 0.1 T__ --- 883417 FDSN SK -- BUD iLoc HHN ??? _
ET1H 0.99 248.7 Pn 09:07:05.088 -0.2 T__ 37.4 --- ML 1.6 883411 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.99 248.7 Lg 09:07:18.885 -1.7 T__ --- 883410 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1

```

```

Date      Time      Err      RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp

```

2023/04/14 11:39:04.57 3.82 0.78 48.5384 20.9997 22.7 10.0 59 0.0f 8 4 315 0.31 1.00 sx BUD 19001882 BUD 327

Magnitude Err Nsta Author OrigID  
ML 1.5 0.2 4 BUD 19001882

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
JOS	0.31	262.2	Pg	11:39:11.071	0.2					T__		144.9		---	ML	1.3 885359	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.31	262.2	Lg	11:39:15.372	-0.4					T__				---		885360	FDSN	Z6	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.3 magdef=1 Station ML: 1.3 magdef=1)																								
KECS	0.35	261.0	Pg	11:39:11.710	0.1					T__		402.1		---	ML	1.9 885361	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.35	261.0	Lg	11:39:16.564	-0.5					T__				---		885362	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=1)																								
HU02A	0.52	217.4	Pg	11:39:14.946	-0.7					T__		44.2		---	ML	1.4 885364	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.52	217.4	Lg	11:39:24.911	0.9					T__				---		885363	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.4 magdef=1 Station ML: 1.4 magdef=1)																								
ET1H	1.00	229.3	Pg	11:39:26.614	1.1					T__		33.4		---	ML	1.6 885366	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	1.00	229.3	Sn	11:39:40.581	-0.3					T__				---		885365	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1 Station ML: 1.6 magdef=1)																								

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
2023/04/14 19:08:35.73 1.53 1.36 45.9088 17.0330 11.8 6.4 6 12.0f 10 8 190 0.31 1.16 ke BUD 19001886 BUD 194

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A264A	0.31	35.4	Pg	19:08:40.993	-1.4					T__		286.3		---	ML	1.6 885426	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A264A	0.31	35.4	Lg	19:08:49.020	2.1					T__				---		885431	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1 Station ML: 1.6 magdef=1)																								
BEHE	0.59	342.4	Lg	19:08:57.218	1.6					T__				---		885432	FDSN	HU	--	BUD	iLoc	HHN	???	_
A265A	0.74	45.5	Lg	19:08:59.920	-0.3					T__				---		885433	FDSN	Z6	00	BUD	iLoc	HHN	???	_
PTJ	0.74	270.2	Lg	19:09:01.763	0.9					T__				---		885435	FDSN	CR	--	BUD	iLoc	BHN	???	_
KOVH	0.77	76.0	Pg	19:08:50.845	0.0					T__		72.4		---	ML	1.8 885428	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.77	76.0	Lg	19:09:01.618	0.6					T__				---		885427	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=1)																								
KOGS	0.77	315.0	Lg	19:09:01.207	0.6					T__				---		885434	FDSN	SL	--	BUD	iLoc	BHN	???	_
CRES	1.10	266.3	Sn	19:09:12.914	1.4					T__				---		885430	FDSN	SL	--	BUD	iLoc	BHN	???	_
MORH	1.16	74.2	Sn	19:09:11.763	-0.6					T__				---		885429	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
2023/04/15 08:19:28.54 0.92 1.13 48.5397 20.7779 4.6 3.7 7 0.0f 16 9 87 0.16 1.24 sx BUD 19001892 BUD 173

Magnitude Err Nsta Author OrigID  
ML 1.3 0.2 7 BUD 19001892



Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.16	254.6	Pg	08:19:31.898	-0.1					T__		372.9		---	ML	1.3	885759	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.16	254.6	Lg	08:19:35.404	0.6					T__				---		885760	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.3 magdef=1)																					
				(Station ML: 1.3 magdef=1)																					
KECS	0.20	253.9	Lg	08:19:36.339	0.2					T__				---		885770	FDSN	SK	--	BUD	iLoc	EHN	???	_	
ABAH	0.39	128.2	Pg	08:19:37.066	0.4					T__		43.9		---	ML	1.0	885764	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.39	128.2	Lg	08:19:42.945	-0.5					T__				---		885763	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.0 magdef=1)																					
				(Station ML: 1.0 magdef=0)																					
HU02A	0.45	202.1	Pg	08:19:38.088	-0.0					T__		41.9		---	ML	1.2	885762	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.45	202.1	Lg	08:19:45.502	0.0					T__				---		885761	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.2 magdef=1)																					
				(Station ML: 1.2 magdef=1)																					
PSZ	0.86	223.9	Pg	08:19:47.547	0.9					T__		30.7		---	ML	1.5	885766	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.86	223.9	Lg	08:19:58.356	-1.2					T__				---		885765	FDSN	GE	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.5 magdef=1)																					
				(Station ML: 1.5 magdef=1)																					
ET1H	0.90	222.9	Pn	08:19:47.547	0.3					T__		24.0		---	ML	1.4	885768	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.90	222.9	Lg	08:19:59.890	-0.6					T__				---		885767	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.4 magdef=1)																					
				(Station ML: 1.4 magdef=1)																					
NIE	0.93	340.5	Pg	08:19:47.076	0.9					T__		16.0		---	ML	1.2	885771	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.93	340.5	Lg	08:19:57.739	-1.7					T__				---		885772	FDSN	PL	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 1.2 magdef=1)																					
				(Station ML: 1.2 magdef=1)																					
KOLS	1.07	67.7	Lg	08:20:02.998	-2.4					T__				---		885773	FDSN	SK	--	BUD	iLoc	HHN	???	_	
TRPA	1.24	108.6	Pn	08:19:52.773	0.7					T__		26.9		---	ML	1.6	885774	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	1.24	108.6	Sn	08:20:09.166	-1.8					T__				---		885769	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.6 magdef=1)																					
				(Station ML: 1.6 magdef=0)																					

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/15	08:32:25.30	1.02	0.73	46.1095	17.0032	8.1	3.8	10	10.0f		14	10	163	0.21	1.14	ke	BUD	19001894	BUD			170

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.2	7 BUD	19001894

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
A264A	0.21	75.7	Pg	08:32:29.523	-0.5					T__		836.0		---	ML	1.8	885881	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A264A	0.21	75.7	Lg	08:32:33.138	-0.1					T__				---		885882	FDSN	Z6	00	BUD	iLoc	HHE	???	_	
				(Reading ML: 1.8 magdef=1)																					
				(Station ML: 1.8 magdef=1)																					
BEHE	0.39	336.4	Pg	08:32:32.976	-0.6					T__		209.5		---	ML	1.7	885875	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 1.7 magdef=1)																					
				(Station ML: 1.7 magdef=1)																					
A263A	0.57	22.0	Pg	08:32:37.102	0.3					T__		259.8		---	ML	2.2	885878	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.2 magdef=1)																					
				(Station ML: 2.2 magdef=1)																					
KOGS	0.62	303.2	Pg	08:32:38.198	0.7					T__		71.6		---	ML	1.7	885876	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.62	303.2	Lg	08:32:45.684	-0.1					T__				---		885877	FDSN	SL	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 1.7 magdef=1)																					

```

(Station ML: 1.7 magdef=0
PTJ 0.75 254.7 Lg 08:32:49.717 -1.2 T__
KOVH 0.76 91.2 Pg 08:32:40.315 -0.0 T__ 131.8 --- ML 2.0 885887 FDSN CR -- BUD iLoc BHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
BADH 0.77 24.8 Lg 08:32:50.294 -0.5 T__
A266A 0.97 64.1 Pg 08:32:45.182 1.1 T__ 182.3 --- ML 2.3 885888 FDSN Z6 00 BUD iLoc HHZ HHZ _
A266A 0.97 64.1 Sn 08:32:58.553 0.9 T__ --- 885884 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=0
CRES 1.12 255.8 Pn 08:32:47.035 0.7 T__ 58.8 --- ML 1.9 885879 FDSN SL -- BUD iLoc BHZ BHZ _
CRES 1.12 255.8 Lg 08:33:02.300 0.5 T__ --- 885880 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
MORH 1.14 84.1 Lg 08:33:02.740 0.3 T__ --- 885885 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/15 08:37:42.24 1.24 1.39 46.0852 18.3192 9.3 4.0 162 0.0f 7 4 211 0.15 1.21 sx BUD 19001896 BUD 276

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```

Magnitude Err Nsta Author OrigID
ML 1.3 0.3 3 BUD 19001896

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```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
KOVH 0.15 271.2 Pg 08:37:46.524 0.6 T__ 346.3 --- ML 1.3 885921 FDSN HU -- BUD iLoc HHZ HHZ _
KOVH 0.15 271.2 Lg 08:37:47.967 -1.0 T__ --- 885922 FDSN HU -- BUD iLoc HHE ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
MORH 0.26 60.0 Pg 08:37:48.697 0.7 T__ 114.4 --- ML 1.1 885923 FDSN HU -- BUD iLoc HHZ HHZ _
MORH 0.26 60.0 Lg 08:37:51.144 -1.5 T__ --- 885924 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=1
A266A 0.44 355.1 Pg 08:37:52.642 1.0 T__ 224.1 --- ML 1.9 885925 FDSN Z6 00 BUD iLoc HHZ HHZ _
A266A 0.44 355.1 Lg 08:37:57.097 -1.6 T__ --- 885926 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
MPLH 1.21 333.9 Sn 08:38:22.911 -0.1 T__ --- 885927 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/17 07:35:57.59 1.17 1.08 48.5126 20.7682 7.7 3.5 9 0.0f 12 7 162 0.15 1.08 sx BUD 19001914 BUD 220

```

```

Magnitude Err Nsta Author OrigID
ML 1.1 0.2 5 BUD 19001914

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
JOS 0.15 263.8 Pg 07:36:01.177 0.3 T__ 259.9 --- ML 1.1 890369 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.15 263.8 Lg 07:36:03.578 0.1 T__ --- 890368 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=1
KECS 0.19 261.2 Pg 07:36:01.688 0.1 T__ 822.7 --- ML 1.7 890366 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.19 261.2 Lg 07:36:04.911 0.1 T__ --- 890367 FDSN SK -- BUD iLoc EHN ??? _

```

```

(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=0
ABAH 0.38 124.4 Pg 07:36:06.153 0.7 T__ 46.6 ___ ML 1.0 890371 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.38 124.4 Lg 07:36:11.028 -1.1 T__ ___ 890372 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=1
HU02A 0.42 202.7 Pg 07:36:06.993 0.4 T__ 29.8 ___ ML 1.0 890370 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.42 202.7 Lg 07:36:13.192 -0.4 T__ ___ 890375 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=0
PSZ 0.83 224.8 Pg 07:36:16.396 1.2 T__ 36.0 ___ ML 1.5 890373 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.83 224.8 Lg 07:36:26.585 -1.2 T__ ___ 890376 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
ET1H 0.87 223.8 Lg 07:36:27.534 -1.2 T__ ___ 890374 FDSN HU -- BUD iLoc HHN ??? _
KOLS 1.08 66.5 Lg 07:36:32.917 -2.0 T__ ___ 890377 FDSN SK -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/17 08:21:41.55 1.13 0.75 48.5182 19.2966 5.8 5.4 67 0.0f 13 8 126 0.65 1.13 sx BUD 19001916 BUD 234

```

```

Magnitude Err Nsta Author OrigID
ML 1.6 0.0 5 BUD 19001916

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
HU03A 0.65 161.6 Lg 08:22:05.514 0.7 T__ ___ 890436 FDSN Z6 00 BUD iLoc HHN ??? _
PSZ 0.72 146.1 Pg 08:21:57.822 0.9 T__ 34.3 ___ ML 1.4 890438 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.72 146.1 Lg 08:22:07.632 -0.3 T__ ___ 890433 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
ET1H 0.75 148.8 Pg 08:21:56.530 -0.7 T__ 24.4 ___ ML 1.3 890435 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.75 148.8 Lg 08:22:07.778 -0.5 T__ ___ 890434 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=0
KECS 0.79 92.1 Pg 08:21:57.854 0.5 T__ 170.5 ___ ML 2.2 890439 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.79 92.1 Lg 08:22:08.664 -0.5 T__ ___ 890440 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=0
JOS 0.83 91.1 Pg 08:21:58.420 0.5 T__ 49.9 ___ ML 1.7 890441 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.83 91.1 Lg 08:22:10.097 -0.2 T__ ___ 890432 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
HU02A 0.91 115.3 Pg 08:22:00.666 0.4 T__ 43.4 ___ ML 1.6 890442 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.91 115.3 Lg 08:22:12.836 -1.5 T__ ___ 890443 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
NIE 1.12 35.9 Lg 08:22:18.807 -0.0 T__ ___ 890437 FDSN PL -- BUD iLoc BHN ??? _
JAVC 1.13 288.2 Lg 08:22:21.016 -0.5 T__ ___ 890444 FDSN CZ -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/17 09:10:42.41 0.98 0.82 48.8571 21.8620 7.5 3.9 159 0.0f 12 7 134 0.28 1.17 sx BUD 19001918 BUD 208

```

Magnitude Err Nsta Author OrigID  
ML 1.6 0.1 6 BUD 19001918

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
KOLS	0.28	74.1	Pg	09:10:48.259	0.2					T__						890481	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.28	74.1	Lg	09:10:52.440	-0.5					T__						890482	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ABAH	0.70	216.6	Pg	09:10:57.157	0.9					T__		53.1		---	ML	1.6	890484	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.70	216.6	Lg	09:11:07.419	-0.4					T__				---		890483	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
TRPA	0.86	148.0	Pg	09:10:59.462	0.4					T__		53.1		---	ML	1.7	890485	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.86	148.0	Lg	09:11:11.806	-1.2					T__				---		890486	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
JOS	0.95	248.1	Pg	09:11:01.113	-0.0					T__		29.3		---	ML	1.5	890487	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
KECS	0.99	248.2	Pg	09:11:01.059	-0.9					T__		91.5		---	ML	2.0	890480	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.99	248.2	Lg	09:11:16.031	-0.7					T__				---		890479	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=0)																									
HU02A	1.15	230.9	Pn	09:11:04.856	-0.1					T__		28.6		---	ML	1.6	890489	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.15	230.9	Lg	09:11:21.655	-1.1					T__				---		890490	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
NIE	1.17	299.3	Pg	09:11:05.327	0.9					T__		18.2		---	ML	1.4	890488	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=0)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/17	11:26:31.16	0.98	1.83	48.5751	21.2993	8.2	4.1	164	0.0f		10	6	111	0.51	1.07	sx	BUD	19001922	BUD			168

Magnitude Err Nsta Author OrigID  
ML 1.2 0.0 3 BUD 19001922

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
JOS	0.51	261.4	Pg	11:26:41.667	0.3					T__		31.0		---	ML	1.2	890961	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.51	261.4	Lg	11:26:49.446	0.2					T__				---		890966	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
KECS	0.55	260.7	Lg	11:26:50.612	0.1					T__				---		890967	FDSN	SK	--	BUD	iLoc	EHN	???	_	
HU02A	0.69	229.0	Pg	11:26:45.757	0.3					T__		23.1		---	ML	1.2	890960	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.69	229.0	Lg	11:26:55.069	-1.1					T__				---		890968	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
KOLS	0.74	60.5	Pg	11:26:46.275	0.9					T__				_c_		890962	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.74	60.5	Lg	11:26:54.236	-3.1					T__				---		890965	FDSN	SK	--	BUD	iLoc	HHN	???	_	
TRPA	0.94	117.8	Pg	11:26:50.061	0.7					T__		36.5		---	ML	1.6	890964	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.94	117.8	Lg	11:27:01.455	-3.1					T__				---		890963	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									

NIE	1.07	322.4	Lg	11:27:05.998	-1.4					T__					890969	FDSN	PL	--	BUD	iLoc	BHN	???	_		
Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp			
2023/04/17	19:46:20.70	1.04	1.06	45.8790	16.0122	7.5	4.3	103	10.0f		9	5	182	0.04	1.20	ke	BUD	19001926	BUD				246		
Magnitude	Err	Nsta	Author	OrigID																					
ML	1.5	0.2	4	BUD	19001926																				
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PTJ	0.04	312.2	Pg	19:46:22.395	-0.7					T__		1232.9		_c	ML	1.5	891138	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.04	312.2	Lg	19:46:23.490	-1.6					T__						891137	FDSN	CR	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 1.5 magdef=1)																					
				(Station ML: 1.5 magdef=1)																					
ZAG	0.05	198.7	Pg	19:46:22.833	-0.1					T__		1938.6			ML	1.7	891135	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.05	198.7	Lg	19:46:23.947	-0.6					T__						891136	FDSN	CR	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 1.7 magdef=1)																					
				(Station ML: 1.7 magdef=1)																					
CRES	0.39	262.4	Pg	19:46:29.342	0.8					T__		28.7			ML	0.8	891139	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.39	262.4	Lg	19:46:34.966	0.5					T__						891140	FDSN	SL	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 0.8 magdef=1)																					
				(Station ML: 0.8 magdef=1)																					
KOGS	0.59	16.1	Pg	19:46:33.144	0.7					T__		55.7			ML	1.6	891141	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.59	16.1	Lg	19:46:41.452	1.2					T__						891142	FDSN	SL	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 1.6 magdef=1)																					
				(Station ML: 1.6 magdef=1)																					
OBKA	1.20	302.3	Sn	19:47:00.745	0.8					T__						891143	FDSN	OE	--	BUD	iLoc	HNN	???	_	
Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp			
2023/04/18	07:44:35.18	2.05	1.14	47.8742	20.1474	21.2	3.5	158	0.0f		10	6	222	0.18	0.76	sx	BUD	19001928	BUD				245		
Magnitude	Err	Nsta	Author	OrigID																					
ML	1.2	0.1	4	BUD	19001928																				
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.18	284.7	Pg	07:44:40.294	0.8					T__		295.4			ML	1.3	894047	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.18	284.7	Lg	07:44:42.892	-0.2					T__						894054	FDSN	GE	--	BUD	iLoc	HNN	???	_	
				(Reading ML: 1.3 magdef=1)																					
				(Station ML: 1.3 magdef=1)																					
ET1H	0.19	271.6	Pg	07:44:40.422	0.8					T__		259.4			ML	1.2	894049	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.19	271.6	Lg	07:44:42.743	-0.3					T__						894048	FDSN	HU	--	BUD	iLoc	HNN	???	_	
				(Reading ML: 1.2 magdef=1)																					
				(Station ML: 1.2 magdef=1)																					
HU02A	0.35	45.5	Pg	07:44:43.482	0.5					T__		62.0			ML	1.1	894051	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.35	45.5	Lg	07:44:47.613	-1.4					T__						894055	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
				(Reading ML: 1.1 magdef=1)																					
				(Station ML: 1.1 magdef=1)																					
HU03A	0.37	274.8	Lg	07:44:47.608	-1.5					T__						894050	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
JOS	0.68	22.7	Pg	07:44:49.088	0.4					T__		20.3			ML	1.2	894052	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.68	22.7	Lg	07:44:59.190	0.1					T__						894053	FDSN	Z6	--	BUD	iLoc	HNN	???	_	
				(Reading ML: 1.2 magdef=1)																					

(Station ML: 1.2 magdef=1  
 HU10A 0.76 268.2 Lg 07:45:01.370 -1.7 T\_\_ --- 894056 FDSN Z6 00 BUD iLoc HHN ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/18	08:17:26.67	1.59	1.29	48.5032	21.3793	9.4	8.4	168	0.0f	7	5	150	0.23	0.73	---	ML	1.1 894080	19001930	BUD			294

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
ABAH	0.23	204.2	Pg	08:17:32.363	0.7					T__		142.5		---	ML	1.1 894080	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
ABAH	0.23	204.2	Lg	08:17:34.577	-1.3					T__				---		894081	FDSN	HU	--	BUD	iLoc	HHE	???	_		
(Reading ML: 1.1 magdef=1 (Station ML: 1.1 magdef=1)																										
JOS	0.56	269.6	Lg	08:17:46.703	0.3					T__				---		894084	FDSN	Z6	--	BUD	iLoc	HHN	???	_		
KECS	0.59	268.4	Lg	08:17:47.640	0.0					T__				---		894083	FDSN	SK	--	BUD	iLoc	EHN	???	_		
HU02A	0.69	236.5	Pg	08:17:40.784	-0.2					T__	21.9			---	ML	1.2 894082	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_		
HU02A	0.69	236.5	Lg	08:17:50.280	-1.4					T__				---		894085	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 1.2 magdef=1 (Station ML: 1.2 magdef=1)																										
KOLS	0.73	53.6	Lg	08:17:51.171	-1.5					T__				---		894086	FDSN	SK	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/18	08:57:43.11	0.86	1.25	48.2632	21.2082	5.4	4.1	0	0.0f	23	15	59	0.04	1.53	---	ML	2.5 894127	19001932	BUD			105
2023/04/18	08:57:42.68	0.85	0.94	48.2470	21.2460f				0.0f	23	15	55	0.05	1.55	---	ML	1.7 894129	19001933	BUD_GT			108

(locality: Tálya Hungary)  
 (GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID  
 ML 2.0 0.3 7 BUD\_GT 19001933

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
ABAH	0.05	355.1	Pg	08:57:44.158	-0.1					T__		10833.3		---	ML	2.5 894127	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
ABAH	0.05	355.1	Lg	08:57:45.479	-0.4					T__				---		894128	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 2.5 magdef=1 (Station ML: 2.5 magdef=1)																										
HU11A	0.33	189.3	Lg	08:57:57.007	1.3					T__				---		894137	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
HU02A	0.50	255.8	Pg	08:57:53.442	0.2					T__	113.8			---	ML	1.7 894129	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_		
HU02A	0.50	255.8	Lg	08:58:00.212	-1.1					T__				---		894139	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=0)																										
JOS	0.53	298.1	Pg	08:57:53.442	0.0					T__	97.6			---	ML	1.8 894130	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_		
JOS	0.53	298.1	Lg	08:58:00.468	-1.1					T__				---		894138	FDSN	Z6	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.8 magdef=1 (Station ML: 1.8 magdef=1)																										
KECS	0.56	295.3	Lg	08:58:01.600	-0.9					T__				---		894140	FDSN	SK	--	BUD	iLoc	EHE	???	_		
HU05A	0.70	186.1	Lg	08:58:09.186	0.3					T__				---		894141	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
TRPA	0.87	97.2	Pg	08:58:00.510	0.8					T__	151.9			---	ML	2.2 894132	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
TRPA	0.87	97.2	Lg	08:58:13.967	-0.2					T__				---		894131	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 2.2 magdef=1 (Station ML: 2.2 magdef=1)																										

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PSZ 0.96 250.6 Pg 08:58:03.406 0.4 T__ 96.6 --- ML 2.0 894134 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.96 250.6 Lg 08:58:16.607 -0.8 T__ --- 894133 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
KOLS 0.97 44.4 Pn 08:58:02.810 0.2 T__ --- 894135 FDSN SK -- BUD iLoc HHZ ??? _
KOLS 0.97 44.4 Lg 08:58:15.469 -1.5 T__ --- 894142 FDSN SK -- BUD iLoc HHN ??? _
LTVH 0.97 152.7 Sn 08:58:18.410 0.4 T__ --- 894144 FDSN HU -- BUD iLoc HHN ??? _
ET1H 0.99 248.7 Pg 08:58:03.747 0.3 T__ 60.5 --- ML 1.8 894136 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.99 248.7 Lg 08:58:16.689 -1.3 T__ --- 894143 FDSN HU -- BUD iLoc HHE ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
HU12A 1.10 195.0 Lg 08:58:22.780 1.0 T__ --- 894146 FDSN Z6 00 BUD iLoc HHN ??? _
HU03A 1.16 253.3 Sn 08:58:23.146 0.7 T__ --- 894145 FDSN Z6 00 BUD iLoc HHN ??? _
NIE 1.33 332.3 Lg 08:58:26.195 -1.1 T__ --- 894147 FDSN PL -- BUD iLoc BHN ??? _
HU10A 1.55 255.8 Pn 08:58:12.479 2.1 T__ 206.6 --- ML 2.7 894149 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU10A 1.55 255.8 Lg 08:58:35.474 -1.2 T__ --- 894148 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.7 magdef=1
(Station ML: 2.7 magdef=0

```

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/18 09:00:11.86 1.23 1.56 47.2271 18.3404 7.2 5.2 118 0.0f 7 5 131 0.15 1.03 sx BUD 19001934 BUD 227
2023/04/18 09:00:12.28 0.96 1.50 47.2302 18.2835f 0.0f 7 5 127 0.13 1.05 kx BUD_GT 19001935 BUD_GT 224
(locality: Iszkaszentgyörgy Hungary)
(GT info : GT2 explosion)

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CSKK 0.13 353.3 Pg 09:00:16.330 0.7 T__ 215.2 --- ML 1.0 894179 FDSN HU -- BUD iLoc HHZ HHZ _
CSKK 0.13 353.3 Lg 09:00:18.110 -0.6 T__ --- 894181 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=0
HU08A 0.32 309.6 Lg 09:00:23.915 -0.9 T__ --- 894182 FDSN Z6 00 BUD iLoc HHN ??? _
MPLH 0.51 263.5 Pg 09:00:24.293 1.4 T__ 41.2 --- ML 1.3 894180 FDSN HU -- BUD iLoc HHZ HHZ _
MPLH 0.51 263.5 Lg 09:00:30.383 -0.6 T__ --- 894183 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=0
HU10A 0.79 38.7 Lg 09:00:39.087 -2.4 T__ --- 894184 FDSN Z6 00 BUD iLoc HHN ??? _
MORH 1.05 166.2 Lg 09:00:46.373 -2.0 T__ --- 894185 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/18 10:00:55.33 2.88 0.70 48.4870 20.7161 16.9 5.8 60 0.0f 9 5 284 0.12 0.83 sx BUD 19001936 BUD 308

```

Magnitude Err Nsta Author OrigID  
ML 1.0 0.3 3 BUD 19001936

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
JOS 0.12 274.4 Pg 10:00:57.828 -0.1 T__ 226.3 --- ML 1.0 894209 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.12 274.4 Lg 10:01:00.170 0.1 T__ --- 894212 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.0 magdef=1

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```

(Station ML: 1.0 magdef=1
KECS 0.15 268.7 Pg 10:00:58.509 -0.1 T__ 436.6 --- ML 1.4 894208 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.15 268.7 Lg 10:01:01.447 0.2 T__ --- 894213 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
HU02A 0.39 199.3 Pg 10:01:03.619 -0.0 T__ 24.9 --- ML 0.8 894210 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.39 199.3 Lg 10:01:10.305 0.2 T__ --- 894214 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 0.8 magdef=1
(Station ML: 0.8 magdef=1
PSZ 0.79 224.3 Lg 10:01:23.368 -0.7 T__ --- 894215 FDSN GE -- BUD iLoc HHN ??? _
ET1H 0.83 223.2 Lg 10:01:23.877 -1.1 T__ --- 894216 FDSN HU -- BUD iLoc HHN ??? _
ET1H 0.83 223.2 Sg 10:01:26.006 1.0 T__ --- 894211 FDSN HU -- BUD iLoc HHN ??? _

```

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/18 10:33:29.58 2.32 0.73 48.8242 21.1516 33.3 7.7 157 0.0f 8 6 208 0.52 1.27 sx BUD 19001938 BUD 338

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Magnitude Err Nsta Author OrigID
ML 1.5 0.3 3 BUD 19001938

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
JOS 0.52 231.2 Pg 10:33:40.374 0.4 T__ 35.8 --- ML 1.3 894240 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.52 231.2 Lg 10:33:47.507 -0.4 T__ --- 894243 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
KECS 0.56 232.6 Pg 10:33:40.832 0.1 T__ 110.0 --- ML 1.9 894241 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.56 232.6 Lg 10:33:48.731 -0.4 T__ --- 894244 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
KOLS 0.75 81.2 Lg 10:33:55.541 -0.5 T__ --- 894247 FDSN SK -- BUD iLoc HHN ??? _
HU02A 0.82 210.9 Pg 10:33:46.713 0.3 T__ 34.5 --- ML 1.5 894242 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
PSZ 1.23 223.2 Sn 10:34:10.815 -1.3 T__ --- 894245 FDSN GE -- BUD iLoc HHN ??? _
ET1H 1.27 222.6 Sn 10:34:12.997 0.4 T__ --- 894246 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/18 13:29:32.67 0.89 0.96 47.3205 16.3819 4.9 3.6 30 0.0f 13 7 89 0.22 0.88 sx BUD 19001942 BUD 163

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```

Magnitude Err Nsta Author OrigID
ML 1.6 0.1 6 BUD 19001942

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
A260A 0.22 99.4 Pg 13:29:37.430 -0.2 T__ 514.7 --- ML 1.6 894309 FDSN Z6 00 BUD iLoc HHZ HHZ _
A260A 0.22 99.4 Lg 13:29:41.284 0.1 T__ --- 894310 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
RONA 0.38 351.3 Pg 13:29:40.880 0.3 T__ --- 894305 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.38 351.3 Lg 13:29:45.180 -0.9 T__ --- 894306 FDSN OE -- BUD iLoc HHN ??? _
ARSA 0.59 263.5 Pg 13:29:44.371 0.3 T__ 48.3 --- ML 1.5 894307 FDSN OE -- BUD iLoc HHZ HHZ _
ARSA 0.59 263.5 Lg 13:29:49.779 -1.7 T__ --- 894308 FDSN OE -- BUD iLoc HHN ??? _

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(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
EGYH 0.65 81.1 Pn 13:29:49.013 -0.2 T__ 131.0 ___ ML 2.0 894311 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
CONA 0.70 330.1 Pg 13:29:48.289 1.6 T__ 35.5 ___ ML 1.4 894303 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.70 330.1 Lg 13:29:55.699 -0.2 T__ ___ 894304 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=0
MPLH 0.80 100.4 Pg 13:29:49.609 0.7 T__ 37.5 ___ ML 1.5 894312 FDSN HU -- BUD iLoc HHZ HHZ _
MPLH 0.80 100.4 Lg 13:30:00.042 -0.9 T__ ___ 894313 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
KOGS 0.88 186.0 Pg 13:29:50.163 0.2 T__ 114.1 ___ ML 2.0 894314 FDSN SL -- BUD iLoc BHZ BHZ _
KOGS 0.88 186.0 Lg 13:30:02.384 1.1 T__ ___ 894315 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=0

```

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/19 07:14:30.93 2.07 0.73 47.9938 16.6377 15.3 6.6 97 0.0f 6 4 226 0.37 1.08 sx BUD 19001952 BUD 315

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
RONA 0.37 218.1 Pg 07:14:38.836 0.2 T__ ___ 894572 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.37 218.1 Lg 07:14:42.764 -1.0 T__ ___ 894573 FDSN OE -- BUD iLoc HHN ??? _
CONA 0.53 263.1 Pg 07:14:41.348 -0.1 T__ 34.1 ___ ML 1.3 894571 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.53 263.1 Lg 07:14:48.704 0.2 T__ ___ 894574 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=0
ARSA 1.06 225.8 Lg 07:15:05.335 0.7 T__ ___ 894575 FDSN OE -- BUD iLoc HHN ??? _
KRUC 1.08 351.5 Lg 07:15:07.501 -0.2 T__ ___ 894576 FDSN CZ -- BUD iLoc HHE ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/19 08:45:42.69 1.32 0.75 47.8685 19.7738 13.4 2.9 0 0.0f 9 6 206 0.07 0.81 sx BUD 19001954 BUD 316

```

Magnitude Err Nsta Author OrigID  
ML 0.9 0.1 3 BUD 19001954

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
ET1H 0.07 80.8 Pg 08:45:45.031 0.4 T__ 244.7 ___ ML 0.9 894598 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.07 80.8 Lg 08:45:45.862 -0.6 T__ ___ 894604 FDSN HU -- BUD iLoc HHE ??? _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=1
PSZ 0.10 58.4 Pg 08:45:45.947 0.5 T__ 225.2 ___ ML 0.9 894597 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.10 58.4 Lg 08:45:47.544 -0.3 T__ ___ 894605 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=1
HU03A 0.12 286.8 Pg 08:45:45.888 0.2 T__ 240.4 ___ ML 1.0 894601 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU03A 0.12 286.8 Lg 08:45:47.895 -0.2 T__ ___ 894600 FDSN Z6 00 BUD iLoc HHN ??? _

```

(Reading ML: 1.0 magdef=1  
(Station ML: 1.0 magdef=1

HU02A	0.56	63.0	Lg	08:46:02.214	-1.6	T__	---	894599	FDSN	Z6	00	BUD	iLoc	HNN	???	_
KECS	0.78	37.5	Lg	08:46:10.003	-0.1	T__	---	894602	FDSN	SK	--	BUD	iLoc	EHN	???	_
JOS	0.81	38.9	Lg	08:46:11.020	-0.1	T__	---	894603	FDSN	Z6	--	BUD	iLoc	HNN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/19	08:50:59.82	3.47	0.46	48.6373	19.6634	21.4	7.6	139	0.0f	8	5	293	0.57	0.77	sx	BUD	19001956	BUD				295

Magnitude Err Nsta Author OrigID  
ML 1.9 0.1 4 BUD 19001956

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
KECS	0.57	105.5	Lg	08:51:19.716	-0.1					T__						894631	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	0.60	103.3	Pg	08:51:11.582	-0.2					T__		78.9		---	ML	1.7	894630	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.60	103.3	Lg	08:51:20.865	0.0					T__				---		894634	FDSN	Z6	--	BUD	iLoc	HNN	???	_	

(Reading ML: 1.7 magdef=1  
(Station ML: 1.7 magdef=1

PSZ	0.74	167.8	Pg	08:51:15.883	0.4					T__		152.8		---	ML	2.1	894632	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.74	167.8	Lg	08:51:26.188	-0.4					T__				---		894635	FDSN	GE	--	BUD	iLoc	HNN	???	_	

(Reading ML: 2.1 magdef=1  
(Station ML: 2.1 magdef=1

ET1H	0.77	169.5	Pg	08:51:15.786	-0.2					T__		87.0		---	ML	1.9	894633	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
------	------	-------	----	--------------	------	--	--	--	--	-----	--	------	--	-----	----	-----	--------	------	----	----	-----	------	-----	-----	---

(Reading ML: 1.9 magdef=1  
(Station ML: 1.9 magdef=1

HU02A	0.77	131.6	Pg	08:51:16.522	0.7					T__		80.7		---	ML	1.8	894636	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.77	131.6	Lg	08:51:27.594	-0.2					T__				---		894637	FDSN	Z6	00	BUD	iLoc	HNN	???	_	

(Reading ML: 1.8 magdef=1  
(Station ML: 1.8 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/19	08:59:13.55	0.99	0.88	46.9064	17.3524	5.7	4.3	156	0.0f	10	8	97	0.13	1.13	sx	BUD	19001958	BUD				146
2023/04/19	08:59:13.25	0.95	0.90	46.8902	17.3220f				0.0f	10	8	93	0.13	1.13	kx	BUD_GT	19001959	BUD_GT				151

(locality: Uzsa Hungary)  
(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
BADH	0.13	129.3	Lg	08:59:19.386	0.1					T__				---		894664	FDSN	HU	--	BUD	iLoc	HNN	???	_	
A261A	0.13	297.5	Pg	08:59:17.235	0.6					T__		4866.1		---	ML	2.4	894665	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A261A	0.13	297.5	Lg	08:59:19.215	-0.1					T__				---		894666	FDSN	Z6	00	BUD	iLoc	HNN	???	_	

(Reading ML: 2.4 magdef=1  
(Station ML: 2.4 magdef=0

MPLH	0.32	27.9	Pg	08:59:20.535	0.3					T__		531.9		---	ML	1.9	894667	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.32	27.9	Lg	08:59:25.496	-0.2					T__				---		894668	FDSN	HU	--	BUD	iLoc	HNN	???	_	

(Reading ML: 1.9 magdef=1  
(Station ML: 1.9 magdef=0

HU08A	0.68	37.0	Lg	08:59:37.058	-1.2					T__				---		894669	FDSN	Z6	00	BUD	iLoc	HNN	???	_
CSKK	0.80	53.2	Lg	08:59:41.061	-1.6					T__				---		894670	FDSN	HU	--	BUD	iLoc	HNN	???	_

KOGS	0.86	239.5	Sn	08:59:43.786	-1.4	T__	---	894671	FDSN	SL	--	BUD	iLoc	BHN	???	_
KOVH	0.97	145.9	Lg	08:59:46.000	-0.5	T__	---	894672	FDSN	HU	--	BUD	iLoc	HHN	???	_
MORH	1.13	126.0	Sn	08:59:51.110	-0.8	T__	---	894673	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/19	12:33:54.56	1.09	1.10	48.8814	22.1922	14.0	8.7	157	0.0f	9	6	117	0.07	1.35	sx	BUD	19001960	BUD				228

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOLS	0.07	45.7	Pg	12:33:56.124	-0.3					T__				_c_	894926	FDSN	SK	--	BUD	iLoc	HHZ	???	_		
KOLS	0.07	45.7	Lg	12:33:58.339	0.3					T__				---	894925	FDSN	SK	--	BUD	iLoc	HHN	???	_		
TRPA	0.79	162.8	Lg	12:34:23.991	1.0					T__				---	894927	FDSN	HU	--	BUD	iLoc	HHN	???	_		
JOS	1.16	251.2	Pn	12:34:17.842	0.7					T__		30.3		---	ML	1.6	894923	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	1.16	251.2	Lg	12:34:33.640	-0.6					T__				---	894928	FDSN	Z6	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
KECS	1.20	251.2	Pn	12:34:18.289	0.6					T__		101.1		---	ML	2.2	894930	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	1.20	251.2	Lg	12:34:34.726	-0.8					T__				---	894929	FDSN	SK	--	BUD	iLoc	EHN	???	_		
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
HU02A	1.34	236.2	Sn	12:34:38.318	-1.6					T__				---	894931	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
NIE	1.35	294.1	Lg	12:34:40.581	1.3					T__				---	894924	FDSN	PL	--	BUD	iLoc	BHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/04/20	06:32:58.70	1.07	1.51	47.9673	16.0735	6.3	5.1	153	0.0f	8	7	87	0.15	1.45	sx	BUD	19001972	BUD					144

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.15	254.7	Pg	06:33:01.745	-0.1					T__		254.3		---	ML	1.1	896220	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.15	254.7	Lg	06:33:03.321	-0.9					T__				---	896221	FDSN	OE	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=0)																									
RONA	0.31	150.6	Lg	06:33:09.155	-0.3					T__				---	896222	FDSN	OE	--	BUD	iLoc	HHN	???	_		
ARSA	0.81	207.6	Lg	06:33:25.817	1.3					T__				---	896223	FDSN	OE	--	BUD	iLoc	HHN	???	_		
MODS	0.90	62.8	Lg	06:33:30.876	-0.1					T__				---	896224	FDSN	SK	--	BUD	iLoc	HHN	???	_		
KRUC	1.12	10.9	Lg	06:33:36.616	0.0					T__				---	896225	FDSN	CZ	--	BUD	iLoc	HHN	???	_		
JAVC	1.39	49.4	Sn	06:33:47.556	2.7					T__				---	896226	FDSN	CZ	--	BUD	iLoc	HHN	???	_		
CKRC	1.45	306.6	Lg	06:33:47.147	1.3					T__				---	896227	FDSN	CZ	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/04/20	07:09:46.88	1.63	0.80	48.0188	20.7282	10.2	5.1	135	0.0f	9	6	205	0.17	0.59	sx	BUD	19001974	BUD					271
2023/04/20	07:09:47.68	0.94	0.91	48.0471	20.6805f				0.0f	9	6	196	0.13	0.57	kx	BUD_GT	19001975	BUD_GT					264

(locality: Miskolc-Mexikóvölgy Hungary)  
(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID  
ML 1.2 0.1 3 BUD\_GT 19001975

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU02A	0.13	305.8	Pg	07:09:51.046	0.1					T__		304.2		---	ML	1.1	896250	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.13	305.8	Lg	07:09:54.006	0.3					T__				---		896253	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
ABAH	0.45	56.1	Lg	07:10:02.614	-2.2					T__				---		896254	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KECS	0.46	343.5	Lg	07:10:04.449	0.4					T__				---		896248	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	0.46	348.2	Pg	07:09:57.668	0.7					T__		60.8		---	ML	1.4	896249	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.46	348.2	Lg	07:10:03.821	-0.3					T__				---		896255	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
PSZ	0.54	256.6	Lg	07:10:07.154	-1.0					T__				---		896251	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	0.57	253.1	Pg	07:10:00.085	0.2					T__		25.0		---	ML	1.2	896252	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.57	253.1	Lg	07:10:08.367	-0.2					T__				---		896256	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/20	08:16:43.45	3.56	0.33	48.5426	20.7972	20.7	8.4	48	0.0f		7	4	308	0.18	0.87		sx BUD	19001978	BUD			329

Magnitude	Err	Nsta	Author	OrigID
ML	0.9	0.1	3 BUD	19001978

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.18	254.8	Pg	08:16:47.267	0.1					T__		126.0		---	ML	0.9	896305	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.18	254.8	Lg	08:16:50.461	0.3					T__				---		896304	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
KECS	0.22	254.1	Pg	08:16:47.799	-0.2					T__		453.5		---	ML	1.6	896303	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.22	254.1	Lg	08:16:51.419	-0.1					T__				---		896307	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
HU02A	0.46	203.4	Pg	08:16:53.356	0.2					T__		23.7		---	ML	0.9	896306	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.46	203.4	Lg	08:17:00.127	-0.5					T__				---		896308	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
PSZ	0.87	224.4	Lg	08:17:15.012	0.2					T__				---		896309	FDSN	GE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/20	08:59:47.21	1.53	2.07	47.4044	18.3231	13.8	5.3	120	0.0f		7	6	104	0.06	1.21		sx BUD	19001980	BUD			160

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.06	225.8	Pg	08:59:49.221	0.1					T__		1033.1		---	ML	1.5	896331	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.06	225.8	Lg	08:59:51.078	0.0					T__				---		896330	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=0)																									
HU09A	0.24	9.7	Lg	08:59:57.283	0.2					T__				---		896332	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

HU08A	0.27	275.8	Lg	08:59:57.879	-0.3	T__	---	896333	FDSN	Z6	00	BUD	iLoc	HHN	???	_
ET1H	1.15	65.0	Sn	09:00:24.877	-2.2	T__	---	896334	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	1.18	63.6	Sn	09:00:25.388	-2.9	T__	---	896335	FDSN	GE	--	BUD	iLoc	HHN	???	_
MORH	1.21	169.4	Sn	09:00:26.325	-1.9	T__	---	896336	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/20	09:00:38.93	2.76	1.71	47.3928	18.3544	17.9	14.7	160	0.0f	6	5	144	0.07	1.20	sx	BUD	19001982	BUD				180

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
CSKK	0.07	245.0	Pg	09:00:41.330	0.3					T__		1115.9		---	ML	1.5	896352	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.07	245.0	Lg	09:00:42.608	-0.5					T__				---		896353	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=0)																									
HU08A	0.29	277.7	Lg	09:00:50.432	-0.3					T__				---		896354	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ET1H	1.14	64.1	Sn	09:01:17.132	-1.3					T__				---		896355	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	1.17	62.6	Sn	09:01:17.899	-1.8					T__				---		896356	FDSN	GE	--	BUD	iLoc	HHN	???	_	
MORH	1.20	170.3	Sn	09:01:17.728	-1.8					T__				---		896357	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/20	09:17:27.12	1.05	1.07	48.6409	21.3848	5.9	4.9	7	0.0f	16	10	105	0.36	1.42	sx	BUD	19001984	BUD				167

Magnitude Err Nsta Author OrigID  
ML 1.5 0.1 7 BUD 19001984

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ABAH	0.36	195.7	Pg	09:17:34.897	0.3					T__		98.6		---	ML	1.3	896395	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.36	195.7	Lg	09:17:40.688	-0.2					T__				---		896393	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=0)																									
JOS	0.58	255.8	Pg	09:17:38.985	0.3					T__		46.3		---	ML	1.5	896389	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.58	255.8	Lg	09:17:47.203	-0.3					T__				---		896390	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
KECS	0.62	255.5	Pg	09:17:39.783	0.3					T__		90.8		---	ML	1.8	896391	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.62	255.5	Lg	09:17:48.513	-0.3					T__				---		896396	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
KOLS	0.66	63.2	Lg	09:17:48.076	-2.4					T__				---		896394	FDSN	SK	--	BUD	iLoc	HHN	???	_	
HU02A	0.77	228.2	Pg	09:17:42.764	-0.4					T__		35.0		---	ML	1.5	896392	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.77	228.2	Lg	09:17:54.304	-0.8					T__				---		896397	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
TRPA	0.92	123.2	Pg	09:17:46.075	1.0					T__		508.3		---	ML	2.7	896399	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.92	123.2	Lg	09:17:57.828	-2.1					T__				---		896398	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.7 magdef=1)																									
(Station ML: 2.7 magdef=0)																									
NIE	1.06	317.9	Pg	09:17:47.590	0.5					T__		22.8		---	ML	1.4	896400	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.4 magdef=1)																									

```

(Station ML: 1.4 magdef=1
PSZ 1.23 234.6 Pn 09:17:51.401 0.7 T__ 36.0 ___ ML 1.7 896401 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 1.23 234.6 Sn 09:18:09.371 -0.2 T__ ___ 896402 FDSN GE -- BUD iLoc HHE ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
ET1H 1.27 233.6 Sn 09:18:10.469 0.6 T__ ___ 896403 FDSN HU -- BUD iLoc HHN ??? _
MEZ 1.42 94.3 Sn 09:18:13.777 -1.1 T__ ___ 896404 FDSN UA -- BUD iLoc BHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/20 09:19:47.16 2.41 0.44 47.2974 18.2350 18.7 6.3 143 0.0f 4 3 240 0.07 0.49 sx BUD 19001986 BUD 312

```

```
Magnitude Err Nsta Author OrigID
```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CSKK 0.07 14.8 Pg 09:19:49.332 0.1 T__ 226.8 ___ ML 0.8 896430 FDSN HU -- BUD iLoc HHZ HHZ _
CSKK 0.07 14.8 Lg 09:19:50.972 -0.3 T__ ___ 896432 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 0.8 magdef=1
(Station ML: 0.8 magdef=0
HU08A 0.25 302.4 Lg 09:19:57.477 0.0 T__ ___ 896433 FDSN Z6 00 BUD iLoc HHN ??? _
MPLH 0.49 255.2 Lg 09:20:04.894 -0.2 T__ ___ 896431 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/20 09:21:17.81 3.00 1.27 48.7576 20.7971 29.7 6.6 92 0.0f 6 4 222 0.31 0.74 sx BUD 19001988 BUD 338

```

```
Magnitude Err Nsta Author OrigID
```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
JOS 0.31 213.2 Pg 09:21:24.772 0.6 T__ 36.5 ___ ML 0.7 896450 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.31 213.2 Lg 09:21:28.733 -0.3 T__ ___ 896453 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 0.7 magdef=1
(Station ML: 0.7 magdef=1
KECS 0.34 217.1 Pg 09:21:25.411 0.6 T__ 109.7 ___ ML 1.3 896452 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.34 217.1 Lg 09:21:29.542 -0.6 T__ ___ 896454 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
HU02A 0.66 196.0 Lg 09:21:40.198 -1.7 T__ ___ 896451 FDSN Z6 00 BUD iLoc HHN ??? _
NIE 0.74 333.9 Lg 09:21:41.415 -0.9 T__ ___ 896455 FDSN PL -- BUD iLoc BHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/21 04:46:21.48 1.13 0.28 48.0008 19.7191 7.8 3.6 153 10.0f 9 5 187 0.13 0.74 ke BUD 19002000 BUD 267

```

```
Magnitude Err Nsta Author OrigID
ML 0.5 0.5 4 BUD 19002000
```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU03A 0.13 219.6 Pg 04:46:24.858 0.0 T__ 99.2 ___ ML 0.6 897472 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU03A 0.13 219.6 Lg 04:46:27.402 0.0 T__ ___ 897471 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 0.6 magdef=1
(Station ML: 0.6 magdef=1

```

```

PSZ 0.14 124.9 Pg 04:46:25.677 0.2 T__ 35.9 ___ ML 0.3 897468 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.14 124.9 Lg 04:46:28.041 -0.5 T__ ___ 897473 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 0.3 magdef=1
(Station ML: 0.3 magdef=1
ET1H 0.16 139.9 Pg 04:46:25.592 0.1 T__ 19.2 _c_ ML 0.0 897469 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.16 139.9 Lg 04:46:28.584 0.1 T__ ___ 897470 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 0.0 magdef=1
(Station ML: 0.0 magdef=1
HU02A 0.55 77.0 Pg 04:46:33.127 0.0 T__ 21.2 ___ ML 1.1 897475 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.55 77.0 Lg 04:46:41.223 -0.3 T__ ___ 897474 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=1
JUS 0.74 47.6 Lg 04:46:46.936 0.1 T__ ___ 897476 FDSN Z6 -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/21 07:04:08.62 1.59 1.13 48.4795 17.6284 13.0 3.7 121 0.0f 10 6 225 0.26 1.30 sx BUD 19002002 BUD 283

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
MODS 0.26 245.7 Pg 07:04:14.137 -0.2 T__ ___ 897720 FDSN SK -- BUD iLoc HHZ ??? _
MODS 0.26 245.7 Lg 07:04:17.682 -1.3 T__ ___ 897724 FDSN SK -- BUD iLoc HHN ??? _
JAVC 0.38 4.2 Pg 07:04:16.735 -0.1 T__ 160.4 ___ ML 1.6 897721 FDSN CZ -- BUD iLoc HHZ HHZ _
JAVC 0.38 4.2 Lg 07:04:22.643 -0.5 T__ ___ 897725 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
ZST 0.45 231.2 Lg 07:04:24.388 -0.8 T__ ___ 897726 FDSN SK -- BUD iLoc HHN ??? _
KRUC 1.00 306.0 Pg 07:04:29.410 1.6 T__ 32.7 ___ ML 1.6 897727 FDSN CZ -- BUD iLoc HHZ HHZ _
KRUC 1.00 306.0 Lg 07:04:41.476 -1.1 T__ ___ 897723 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
RONA 1.19 229.3 Pn 07:04:33.044 1.1 T__ ___ 897722 FDSN OE -- BUD iLoc HHZ ??? _
RONA 1.19 229.3 Lg 07:04:48.587 1.1 T__ ___ 897728 FDSN OE -- BUD iLoc HHN ??? _
CONA 1.30 245.6 Lg 07:04:51.558 0.5 T__ ___ 897729 FDSN OE -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/21 07:25:09.32 1.30 1.08 47.9852 20.3690 12.0 3.4 144 0.0f 10 6 190 0.17 0.66 sx BUD 19002004 BUD 215
2023/04/21 07:25:09.00 0.93 1.03 47.9590 20.3545f 0.0f 10 6 196 0.20 0.68 kx BUD_GT 19002005 BUD_GT 221

```

(locality: Eger-III Hungary)  
(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID  
ML 1.1 0.3 4 BUD 19002005  
ML 1.1 0.4 4 BUD\_GT

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU02A 0.20 35.0 Pg 07:25:13.530 -0.1 T__ 132.3 ___ ML 1.0 897754 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.20 35.0 Lg 07:25:16.233 -1.3 T__ ___ 897761 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=1

```

```

PSZ 0.31 262.7 Pg 07:25:17.634 1.5 T__ 39.8 ___ ML 0.8 897756 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.31 262.7 Lg 07:25:20.990 -0.6 T__ ___ 897759 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 0.8 magdef=1
(Station ML: 0.8 magdef=1
ET1H 0.33 256.4 Lg 07:25:21.323 -0.6 T__ ___ 897760 FDSN HU -- BUD iLoc HHN ??? _
KECS 0.53 9.4 Pg 07:25:20.383 0.6 T__ 94.0 ___ ML 1.8 897757 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.53 9.4 Lg 07:25:26.607 -1.4 T__ ___ 897758 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
JOS 0.55 12.9 Pg 07:25:20.897 0.8 T__ 30.5 ___ ML 1.3 897755 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.55 12.9 Lg 07:25:27.144 -1.5 T__ ___ 897762 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
ABAH 0.68 60.0 Lg 07:25:33.993 -0.2 T__ ___ 897763 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/21 07:34:34.52 0.99 1.05 48.4002 17.3012 7.5 3.2 111 0.0f 16 9 182 0.03 1.66 sx BUD 19002006 BUD 204

```

```

Magnitude Err Nsta Author OrigID
ML 1.6 0.0 5 BUD 19002006

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
MODS 0.03 210.9 Pg 07:34:35.787 -0.0 T__ _c_ 897799 FDSN SK -- BUD iLoc HHZ HHZ _
MODS 0.03 210.9 Lg 07:34:36.564 -0.7 T__ ___ 897809 FDSN SK -- BUD iLoc HHN ??? _
ZST 0.24 213.1 Lg 07:34:43.069 -1.1 T__ ___ 897800 FDSN SK -- BUD iLoc HHN ??? _
JAVC 0.52 27.9 Pg 07:34:45.922 0.5 T__ 205.6 ___ ML 2.1 897801 FDSN CZ -- BUD iLoc HHZ HHZ _
JAVC 0.52 27.9 Lg 07:34:52.405 -1.5 T__ ___ 897810 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=0
KRUC 0.89 318.2 Pg 07:34:51.948 0.3 T__ 43.8 ___ ML 1.6 897802 FDSN CZ -- BUD iLoc HHZ HHZ _
KRUC 0.89 318.2 Lg 07:35:03.658 -1.2 T__ ___ 897803 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
RONA 0.97 224.3 Pg 07:34:53.396 -0.4 T__ ___ 897804 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.97 224.3 Lg 07:35:07.065 0.5 T__ ___ 897811 FDSN OE -- BUD iLoc HHN ??? _
VRAC 1.02 333.0 Pg 07:34:54.609 0.7 T__ 10.7 ___ ML 1.1 897806 FDSN CZ -- BUD iLoc HHZ HHZ _
VRAC 1.02 333.0 Lg 07:35:08.321 -0.6 T__ ___ 897805 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=0
CONA 1.07 244.4 Pg 07:34:55.205 -0.5 T__ 33.2 ___ ML 1.6 897807 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 1.07 244.4 Lg 07:35:09.513 -0.1 T__ ___ 897808 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
MORC 1.39 6.5 Pg 07:35:01.056 0.7 T__ 42.6 ___ ML 1.9 897813 FDSN CZ -- BUD iLoc HHZ HHZ _
MORC 1.39 6.5 Lg 07:35:19.963 0.3 T__ ___ 897812 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
ARSA 1.66 226.8 Lg 07:35:29.900 2.6 T__ ___ 897814 FDSN OE -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp

```



2023/04/21 07:55:14.76 1.38 0.73 46.0568 22.8390 9.5 7.7 70 0.0f 8 5 139 0.18 0.96 sx BUD 19002008 BUD 249

Magnitude Err Nsta Author OrigID  
ML 1.9 0.0 3 BUD 19002008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
DEV	0.18	165.5	Pg	07:55:18.523	0.4					T__		1132.2		---	ML	1.9 897842	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.18	165.5	Lg	07:55:20.120	-0.6					T__				---		897844	FDSN	RO	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=1)																								
GZR	0.67	183.8	Pg	07:55:27.721	0.2					T__		96.8		---	ML	1.9 897843	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	0.67	183.8	Lg	07:55:36.387	-0.6					T__				---		897845	FDSN	RO	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=1)																								
DRGR	0.74	353.2	Lg	07:55:40.816	-0.8					T__				---		897846	FDSN	RO	--	BUD	iLoc	HHN	???	_
LOT	0.89	132.7	Pg	07:55:32.384	0.5					T__		99.7		---	ML	2.0 897848	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
LOT	0.89	132.7	Lg	07:55:43.967	-0.9					T__				---		897847	FDSN	RO	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.0 magdef=1 Station ML: 2.0 magdef=1)																								
BZS	0.96	243.2	Lg	07:55:47.000	-0.0					T__				---		897849	FDSN	RO	--	BUD	iLoc	HHN	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
2023/04/21 08:19:52.76 3.07 0.42 48.5304 19.8075 22.5 5.4 138 0.0f 6 5 261 0.45 0.65 sx BUD 19002010 BUD 277

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
KECS	0.45	95.7	Lg	08:20:09.027	0.1					T__				---		897870	FDSN	SK	--	BUD	iLoc	EHN	???	_
JOS	0.49	93.8	Pg	08:20:02.342	-0.2					T__		121.8		---	ML	1.7 897872	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.49	93.8	Lg	08:20:10.390	0.4					T__				---		897871	FDSN	Z6	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=1)																								
PSZ	0.62	174.5	Lg	08:20:14.981	-0.5					T__				---		897874	FDSN	GE	--	BUD	iLoc	HHN	???	_
HU03A	0.64	192.6	Pg	08:20:06.309	0.1					T__		85.7		---	ML	1.8 897873	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=1)																								
ET1H	0.65	176.2	Lg	08:20:16.607	0.3					T__				---		897875	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
2023/04/21 08:43:54.17 1.38 0.79 46.0664 22.8335 9.5 7.7 71 0.0f 8 5 139 0.19 0.96 sx BUD 19002012 BUD 250

Magnitude Err Nsta Author OrigID  
ML 1.8 0.1 3 BUD 19002012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
DEV	0.19	165.1	Pg	08:43:57.913	0.1					T__		691.0		---	ML	1.7 897897	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.19	165.1	Lg	08:43:59.978	-0.5					T__				---		897903	FDSN	RO	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=1)																								
GZR	0.67	183.4	Pg	08:44:07.324	0.2					T__		84.3		---	ML	1.8 897898	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_

GZR 0.67 183.4 Lg 08:44:16.224 -0.4 T\_\_ --- 897899 FDSN RO -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.8 magdef=1  
 (Station ML: 1.8 magdef=1  
 DRGR 0.73 353.4 Lg 08:44:19.843 -0.9 T\_\_ --- 897902 FDSN RO -- BUD iLoc HHN ??? \_  
 LOT 0.90 133.0 Pg 08:44:12.264 0.8 T\_\_ 57.2 --- ML 1.8 897901 FDSN RO -- BUD iLoc HHZ HHZ \_  
 LOT 0.90 133.0 Lg 08:44:23.548 -1.1 T\_\_ --- 897900 FDSN RO -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.8 magdef=1  
 (Station ML: 1.8 magdef=1  
 BZS 0.96 242.6 Lg 08:44:26.645 0.2 T\_\_ --- 897904 FDSN RO -- BUD iLoc HHN ??? \_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/04/21 08:54:31.25 1.47 1.03 48.5575 20.8450 10.8 5.9 2 0.0f 10 7 174 0.21 1.02 sx BUD 19002014 BUD 241

Magnitude Err Nsta Author OrigID  
 ML 1.4 0.1 3 BUD 19002014

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L  
 JOS 0.21 253.2 Pg 08:54:36.111 0.4 T\_\_ 319.1 --- ML 1.4 897930 FDSN Z6 -- BUD iLoc HHZ HHZ \_  
 JOS 0.21 253.2 Lg 08:54:39.102 -0.1 T\_\_ --- 897931 FDSN Z6 -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.4 magdef=1  
 (Station ML: 1.4 magdef=1  
 KECS 0.25 252.8 Pg 08:54:36.610 0.2 T\_\_ 1214.6 --- ML 2.1 897932 FDSN SK -- BUD iLoc EHZ EHZ \_  
 KECS 0.25 252.8 Lg 08:54:40.144 -0.3 T\_\_ --- 897934 FDSN SK -- BUD iLoc EHN ??? \_  
 (Reading ML: 2.1 magdef=1  
 (Station ML: 2.1 magdef=1  
 ABAH 0.37 134.7 Lg 08:54:45.709 0.3 T\_\_ --- 897933 FDSN HU -- BUD iLoc HHN ??? \_  
 HU02A 0.49 206.2 Lg 08:54:49.288 -0.1 T\_\_ --- 897935 FDSN Z6 00 BUD iLoc HHN ??? \_  
 PSZ 0.90 225.2 Lg 08:55:02.437 -1.3 T\_\_ --- 897936 FDSN GE -- BUD iLoc HHN ??? \_  
 ET1H 0.94 224.2 Pn 08:54:51.708 1.1 T\_\_ 21.0 --- ML 1.3 897938 FDSN HU -- BUD iLoc HHZ HHZ \_  
 ET1H 0.94 224.2 Lg 08:55:03.802 -0.9 T\_\_ --- 897937 FDSN HU -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.3 magdef=1  
 (Station ML: 1.3 magdef=1  
 KOLS 1.02 67.8 Lg 08:55:04.743 -1.8 T\_\_ --- 897939 FDSN SK -- BUD iLoc HHN ??? \_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/04/21 09:48:08.82 1.09 1.57 48.9362 21.1888 7.3 4.4 156 0.0f 13 8 139 0.62 1.37 sx BUD 19002016 BUD 223

Magnitude Err Nsta Author OrigID  
 ML 1.5 0.0 4 BUD 19002016

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L  
 JOS 0.62 224.5 Pg 09:48:21.057 -0.0 T\_\_ 50.7 --- ML 1.5 897969 FDSN Z6 -- BUD iLoc HHZ HHZ \_  
 JOS 0.62 224.5 Lg 09:48:28.850 -1.5 T\_\_ --- 897976 FDSN Z6 -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.5 magdef=1  
 (Station ML: 1.5 magdef=1  
 ABAH 0.64 177.0 Pg 09:48:23.867 2.2 T\_\_ 48.9 --- ML 1.5 897971 FDSN HU -- BUD iLoc HHZ HHZ \_  
 ABAH 0.64 177.0 Lg 09:48:30.723 -1.5 T\_\_ --- 897978 FDSN HU -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.5 magdef=1  
 (Station ML: 1.5 magdef=1  
 KECS 0.65 226.0 Pg 09:48:22.950 1.2 T\_\_ 113.3 --- ML 1.9 897972 FDSN SK -- BUD iLoc EHZ EHZ \_

KECS	0.65	226.0	Lg	09:48:30.104	-1.4	T__									897977	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Reading ML: 1.9 magdef=1)																							
(Station ML: 1.9 magdef=1)																							
KOLS	0.72	89.8	Pg	09:48:22.300	-0.2	T__									897974	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	0.72	89.8	Lg	09:48:33.713	-0.4	T__									897973	FDSN	SK	--	BUD	iLoc	HHN	???	_
NIE	0.76	309.9	Lg	09:48:34.798	0.9	T__									897979	FDSN	PL	--	BUD	iLoc	BHN	???	_
HU02A	0.93	208.7	Pg	09:48:28.179	0.4	T__									897970	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.93	208.7	Lg	09:48:38.356	-3.3	T__									897980	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.5 magdef=1)																							
(Station ML: 1.5 magdef=1)																							
TRPA	1.21	131.4	Lg	09:48:49.953	-0.1	T__									897981	FDSN	HU	--	BUD	iLoc	HHN	???	_
ET1H	1.37	220.2	Sn	09:48:54.014	-0.3	T__									897975	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/21	10:00:24.98	0.91	0.93	48.1976	16.8726	6.6	3.3	150	0.0f	10	6	127	0.15	0.92		sx	BUD	19002018	BUD			161

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
ZST	0.15	90.5	Pg	10:00:29.190	0.5					T__						898009	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.15	90.5	Lg	10:00:31.298	-0.4					T__						898008	FDSN	SK	--	BUD	iLoc	HHN	???	_
MODS	0.32	56.8	Pg	10:00:32.853	0.8					T__						898007	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.32	56.8	Lg	10:00:36.600	-1.0					T__						898010	FDSN	SK	--	BUD	iLoc	HHN	???	_
RONA	0.63	218.1	Pg	10:00:37.870	0.2					T__						898012	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.63	218.1	Lg	10:00:45.407	-0.7					T__						898011	FDSN	OE	--	BUD	iLoc	HHN	???	_
CONA	0.73	248.7	Pg	10:00:40.194	0.7					T__						44.8	ML	1.6	898013	FDSN	OE	HHZ	HHZ	_
CONA	0.73	248.7	Lg	10:00:48.434	-0.6					T__						898014	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1)																								
(Station ML: 1.6 magdef=0)																								
JAVC	0.85	38.4	Lg	10:00:53.993	-1.5					T__						898015	FDSN	CZ	--	BUD	iLoc	HHN	???	_
KRUC	0.92	340.1	Lg	10:00:55.950	-0.4					T__						898016	FDSN	CZ	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/21	10:14:20.95	1.34	1.29	48.9250	21.0698	7.7	6.7	11	0.0f	9	6	134	0.55	0.88		sx	BUD	19002020	BUD			227

Magnitude Err Nsta Author OrigID  
ML 1.5 0.1 3 BUD 19002020

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
JOS	0.55	219.5	Pg	10:14:32.129	0.1					T__						30.0	ML	1.3	898037	FDSN	Z6	HHZ	HHZ	_
JOS	0.55	219.5	Lg	10:14:40.293	-0.1					T__									898040	FDSN	Z6	HHN	???	_
(Reading ML: 1.3 magdef=1)																								
(Station ML: 1.3 magdef=1)																								
KECS	0.59	221.4	Lg	10:14:41.144	-0.4					T__									898041	FDSN	SK	EHN	???	_
ABAH	0.64	169.8	Pg	10:14:34.854	1.1					T__						49.6	ML	1.6	898039	FDSN	HU	HHZ	HHZ	_
ABAH	0.64	169.8	Lg	10:14:43.784	-0.5					T__									898042	FDSN	HU	HHN	???	_
(Reading ML: 1.6 magdef=1)																								
(Station ML: 1.6 magdef=1)																								
NIE	0.71	314.6	Lg	10:14:44.636	0.2					T__									898043	FDSN	PL	BHN	???	_
KOLS	0.79	88.9	Lg	10:14:46.595	-2.3					T__									898044	FDSN	SK	HHN	???	_

HU02A	0.88	204.5	Pg	10:14:38.804	-0.2	T__	31.0	___	ML	1.5	898038	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.88	204.5	Lg	10:14:50.853	-1.7	T__		---			898045	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.5 magdef=1)																			
(Station ML: 1.5 magdef=1)																			

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/21	11:56:03.45	1.11	0.82	47.9430	20.0768	14.1	3.2	150	0.0f	8	5	186	0.13	0.63	sx	BUD	19002024	BUD				216

Magnitude	Err	Nsta	Author	OrigID
ML	0.9	0.1	3 BUD	19002024

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.13	258.7	Pg	11:56:06.930	0.2					T__		413.3		___	ML	1.3	898628	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.13	258.7	Lg	11:56:09.272	-0.3					T__				---		898632	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
ET1H	0.15	245.3	Pg	11:56:07.462	0.3					T__		119.3		___	ML	0.8	898629	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.15	245.3	Lg	11:56:09.719	-0.4					T__				---		898631	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=1)																									
HU02A	0.35	59.0	Pg	11:56:11.646	0.5					T__		40.1		___	ML	0.9	898630	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.35	59.0	Lg	11:56:15.521	-1.6					T__				---		898633	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
KECS	0.61	26.7	Lg	11:56:24.598	-0.4					T__				---		898634	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	0.63	29.0	Lg	11:56:26.103	0.2					T__				---		898635	FDSN	Z6	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/04/21	12:34:07.61	2.39	0.37	47.9745	19.7162	18.4	5.0	178	15.0	21.6	10	6	177	0.11	0.76	ke	BUD	19002026	BUD				272

Magnitude	Err	Nsta	Author	OrigID
ML	0.5	0.4	4 BUD	19002026

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU03A	0.11	227.9	Pg	12:34:11.363	0.1					T__		103.2		_d	ML	0.6	898891	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.11	227.9	Lg	12:34:13.754	-0.2					T__				---		898886	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 0.6 magdef=1)																									
(Station ML: 0.6 magdef=1)																									
PSZ	0.13	115.1	Pg	12:34:12.093	0.2					T__		53.9		___	ML	0.4	898884	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.13	115.1	Lg	12:34:14.904	-0.3					T__				---		898885	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.4 magdef=1)																									
(Station ML: 0.4 magdef=1)																									
ET1H	0.14	132.4	Pg	12:34:12.008	0.2					T__		22.7		_c	ML	0.0	898883	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.14	132.4	Lg	12:34:15.031	0.1					T__				---		898888	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.0 magdef=1)																									
(Station ML: 0.0 magdef=1)																									
HU02A	0.56	74.5	Pg	12:34:19.694	0.2					T__		30.4		_c	ML	1.3	898892	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.56	74.5	Lg	12:34:27.295	-0.7					T__				---		898887	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									

KECS	0.72	45.0	Lg	12:34:32.420	-0.1	T__									898889	FDSN	SK	--	BUD	iLoc	EHN	???	_
JOS	0.76	46.2	Lg	12:34:33.746	0.1	T__									898890	FDSN	Z6	--	BUD	iLoc	HNN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/22	08:04:57.94	1.14	0.90	48.5063	20.7798	7.5	3.5	11	0.0f		13	7	159	0.16	1.08	sx	BUD	19002040	BUD			217

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.3	6 BUD	19002040

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.16	266.3	Pg	08:05:01.259	-0.1					T__		223.3			ML	1.1	902993	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.16	266.3	Lg	08:05:04.856	0.8					T__						902994	FDSN	Z6	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
KECS	0.20	263.4	Pg	08:05:01.844	-0.3					T__		734.8			ML	1.7	902996	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.20	263.4	Lg	08:05:05.897	0.5					T__						902995	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=0)																									
ABAH	0.37	124.3	Pg	08:05:05.879	0.2					T__		48.6			ML	1.0	903000	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.37	124.3	Lg	08:05:11.722	-0.5					T__						902999	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
HU02A	0.42	204.0	Pg	08:05:06.902	-0.0					T__		25.2			ML	0.9	902997	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.42	204.0	Lg	08:05:14.351	0.5					T__						902998	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=0)																									
PSZ	0.83	225.5	Pg	08:05:16.323	0.7					T__		32.2			ML	1.5	903002	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.83	225.5	Lg	08:05:28.155	-0.0					T__						903001	FDSN	GE	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
ET1H	0.87	224.4	Pn	08:05:16.615	0.3					T__		29.6			ML	1.5	903003	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.87	224.4	Lg	08:05:26.841	-2.2					T__						903004	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
KOLS	1.08	66.1	Lg	08:05:34.144	-1.0					T__						903005	FDSN	SK	--	BUD	iLoc	HNN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/23	02:35:02.56	1.03	1.59	45.5002	16.1023	9.1	4.6	50	13.0f		19	11	171	0.34	1.91	ke	BUD	19002054	BUD			235

Magnitude	Err	Nsta	Author	OrigID
ML	2.2	0.2	9 BUD	19002054

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ZAG	0.34	346.1	Pg	02:35:08.746	-0.8					T__		840.9			ML	2.2	906731	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.34	346.1	Lg	02:35:15.319	0.8					T__						906732	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
PTJ	0.42	347.0	Pg	02:35:10.188	-1.1					T__		174.9			ML	1.7	906734	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.42	347.0	Lg	02:35:17.273	-0.5					T__						906733	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.7 magdef=1)																									

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(Station ML: 1.7 magdef=1
CRES 0.56 306.0 Pg 02:35:12.927 -0.4 T__ 58.9 --- ML 1.6 906735 FDSN SL -- BUD iLoc BHZ BHZ _
CRES 0.56 306.0 Lg 02:35:22.166 0.2 T__ --- 906736 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=0
KOGS 0.95 6.2 Pg 02:35:20.304 -0.1 T__ 134.4 --- ML 2.2 906738 FDSN SL -- BUD iLoc BHZ BHZ _
KOGS 0.95 6.2 Lg 02:35:35.057 1.6 T__ --- 906739 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
A264A 1.06 51.1 Pn 02:35:22.600 0.1 T__ 142.6 --- ML 2.2 906747 FDSN Z6 00 BUD iLoc HHZ HHZ _
A264A 1.06 51.1 Sn 02:35:38.435 1.4 T__ --- 906746 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
BLY 1.07 134.1 Pg 02:35:21.929 -0.5 T__ 58.5 --- ML 1.9 906745 FDSN MN -- BUD iLoc HHZ HHZ _
BLY 1.07 134.1 Lg 02:35:36.226 -0.1 T__ --- 906737 FDSN MN -- BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
BEHE 1.08 25.6 Pn 02:35:23.061 0.2 T__ 190.7 --- ML 2.4 906740 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=0
A273A 1.27 70.3 Pn 02:35:26.567 1.3 T__ 114.0 --- ML 2.3 906741 FDSN Z6 00 BUD iLoc HHZ HHZ _
A273A 1.27 70.3 Lg 02:35:44.278 1.5 T__ --- 906742 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=1
OBKA 1.48 313.5 Pg 02:35:30.894 1.7 T__ 52.9 --- ML 2.0 906743 FDSN OE -- BUD iLoc HHZ HHZ _
OBKA 1.48 313.5 Lg 02:35:52.513 2.1 T__ --- 906744 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
A266A 1.82 55.0 Lg 02:36:01.216 -0.9 T__ --- 906748 FDSN Z6 00 BUD iLoc HHE ??? _
MORH 1.91 67.2 Sn 02:36:02.273 4.6 T__ --- 906749 FDSN HU -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/24 06:01:41.09 2.58 2.04 45.6631 17.2880 36.4 9.3 117 15.0f 5 4 134 0.71 1.29 ke BUD 19002060 BUD 228

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
KOVH 0.71 52.8 Pg 06:01:54.759 -0.4 T__ 34.0 --- ML 1.4 908336 FDSN HU -- BUD iLoc HHZ HHZ _
KOVH 0.71 52.8 Lg 06:02:05.678 1.0 T__ --- 908339 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=0
BLY 0.92 184.6 Lg 06:02:10.501 0.3 T__ --- 908338 FDSN MN -- BUD iLoc HHN ??? _
MORH 1.10 59.3 Sn 06:02:17.311 1.6 T__ --- 908340 FDSN HU -- BUD iLoc HHN ??? _
CRES 1.29 277.9 Sn 06:02:23.134 2.1 T__ --- 908337 FDSN SL -- BUD iLoc BHN ??? _

```

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/24 07:29:49.78 1.40 0.96 47.9753 16.6444 11.6 5.0 131 0.0f 7 6 173 0.36 1.12 sx BUD 19002062 BUD 183

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Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.36	220.5	Lg	07:30:00.960	-1.3					T__						908358	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.53	265.2	Pg	07:30:01.004	0.7					T__		29.5			ML	1.2	908357	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.53	265.2	Lg	07:30:06.810	-0.6					T__						908359	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=0)																									
MODS	0.58	46.5	Lg	07:30:10.987	-0.3					T__						908360	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ARSA	1.05	226.7	Lg	07:30:23.769	0.5					T__						908361	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.10	351.4	Lg	07:30:26.258	-0.9					T__						908362	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
JAVC	1.12	37.3	Sn	07:30:29.860	0.3					T__						908363	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/04/24	10:28:13.82	2.97	0.75	48.7406	21.2124	18.8	9.9	21	0.0f		9	7	241	0.45	1.24	sx	BUD	19002072	BUD				295

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.0	3 BUD	19002072

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.45	177.6	Lg	10:28:30.931	0.4					T__						908530	FDSN	HU	--	BUD	iLoc	HHN	???	_	
JOS	0.51	241.5	Lg	10:28:31.716	-0.0					T__						908531	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
KECS	0.55	242.2	Pg	10:28:24.923	0.1					T__		152.7			ML	2.0	908528	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.55	242.2	Lg	10:28:32.775	-0.3					T__						908532	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
HU02A	0.77	216.7	Pg	10:28:29.607	-0.1					T__		58.5			ML	1.7	908529	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.77	216.7	Lg	10:28:41.539	-0.1					T__						908533	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
TRPA	1.07	124.2	Lg	10:28:50.312	-0.9					T__						908534	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	1.20	227.4	Sn	10:28:54.186	-1.4					T__						908535	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	1.24	226.6	Pn	10:28:37.964	0.6					T__		31.3			ML	1.7	908536	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/04/24	10:39:10.17	1.78	0.66	47.8604	20.1596	16.4	3.6	159	0.0f		10	7	217	0.19	0.85	sx	BUD	19002074	BUD					232

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.0	3 BUD	19002074

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.19	288.1	Pg	10:39:15.063	0.3					T__		444.4			ML	1.5	908562	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.19	288.1	Lg	10:39:17.583	-0.9					T__						908565	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
ET1H	0.20	275.6	Pg	10:39:15.173	0.4					T__		429.3			ML	1.5	908563	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.20	275.6	Lg	10:39:17.839	-0.5					T__						908566	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
HU02A	0.36	43.0	Pg	10:39:18.277	0.3					T__		66.1			ML	1.1	908564	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_

HU02A	0.36	43.0	Lg	10:39:23.499	-0.7	T__	---	908567	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.1 magdef=1)																
(Station ML: 1.1 magdef=1)																
HU03A	0.38	276.8	Lg	10:39:24.113	-0.3	T__	---	908568	FDSN	Z6	00	BUD	iLoc	HHN	???	_
KECS	0.66	19.2	Lg	10:39:33.897	0.3	T__	---	908569	FDSN	SK	--	BUD	iLoc	EHN	???	_
JOS	0.68	21.6	Lg	10:39:34.367	0.0	T__	---	908570	FDSN	Z6	--	BUD	iLoc	HHN	???	_
ABAH	0.85	58.6	Lg	10:39:39.747	-1.0	T__	---	908571	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/24	15:48:31.43	1.01	0.78	48.2467	21.2333	5.6	3.9	142	0.0f	16	9	151	0.05	1.32	sx	BUD	19002078	BUD				243
2023/04/24	15:48:31.19	0.89	0.62	48.2470	21.2460f				0.0f	16	9	151	0.05	1.33	kx	BUD_GT	19002079	BUD_GT				253

(locality: Táillya Hungary)

(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.1	8 BUD_GT	19002079

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
ABAH	0.05	355.1	Pg	15:48:33.049	0.3					T__		7356.5		---	ML	2.3	908681	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ABAH	0.05	355.1	Lg	15:48:33.944	-0.4					T__				---		908687	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 2.3 magdef=1)																										
(Station ML: 2.3 magdef=0)																										
HU02A	0.50	255.8	Pg	15:48:41.740	-0.0					T__		107.7		---	ML	1.7	908683	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU02A	0.50	255.8	Lg	15:48:49.153	-0.7					T__				---		908688	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 1.7 magdef=1)																										
(Station ML: 1.7 magdef=0)																										
JOS	0.53	298.1	Pg	15:48:42.726	0.8					T__		98.3		---	ML	1.8	908682	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_	
JOS	0.53	298.1	Lg	15:48:50.340	0.3					T__				---		908689	FDSN	Z6	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.8 magdef=1)																										
(Station ML: 1.8 magdef=1)																										
KECS	0.56	295.3	Pg	15:48:43.037	0.6					T__		170.0		---	ML	2.0	908684	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_	
KECS	0.56	295.3	Lg	15:48:51.071	0.1					T__				---		908685	FDSN	SK	--	BUD	iLoc	EHN	???	_		
(Reading ML: 2.0 magdef=1)																										
(Station ML: 2.0 magdef=1)																										
TRPA	0.87	97.2	Pn	15:48:49.227	-0.3					T__		160.8		---	ML	2.2	908686	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
TRPA	0.87	97.2	Lg	15:49:01.606	-1.0					T__				---		908690	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 2.2 magdef=1)																										
(Station ML: 2.2 magdef=1)																										
PSZ	0.96	250.6	Pg	15:48:51.707	0.2					T__		69.9		---	ML	1.9	908692	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_	
PSZ	0.96	250.6	Lg	15:49:05.073	-0.9					T__				---		908691	FDSN	GE	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.9 magdef=1)																										
(Station ML: 1.9 magdef=1)																										
ET1H	0.99	248.7	Pg	15:48:51.890	-0.1					T__		62.9		---	ML	1.9	908693	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ET1H	0.99	248.7	Lg	15:49:05.183	-1.3					T__				---		908694	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.9 magdef=1)																										
(Station ML: 1.9 magdef=1)																										
HU03A	1.16	253.3	Pn	15:48:53.525	0.1					T__		70.9		---	ML	2.0	908695	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 2.0 magdef=1)																										
(Station ML: 2.0 magdef=1)																										
NIE	1.33	332.3	Lg	15:49:15.254	-0.5					T__				---		908696	FDSN	PL	--	BUD	iLoc	BHN	???	_		



Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/25	07:29:37.43	1.43	0.80	48.4853	17.5934	11.9	3.5	119	0.0f	11	7	220	0.24	1.29	sx	BUD	19002084	BUD				266

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
MODS	0.24	242.1	Pg	07:29:42.431	-0.3					T__						910689	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.24	242.1	Lg	07:29:46.561	-0.6					T__						910696	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.38	7.8	Pg	07:29:45.542	0.0					T__		122.8			ML	1.4	910692	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.38	7.8	Lg	07:29:51.418	-0.5					T__						910691	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
ZST	0.44	228.7	Lg	07:29:52.867	-0.7					T__						910690	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KRUC	0.98	306.5	Lg	07:30:10.833	0.2					T__						910693	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
VRAC	1.06	321.7	Lg	07:30:12.962	0.1					T__						910694	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
RONA	1.17	228.4	Pn	07:30:01.407	0.8					T__						910695	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	1.17	228.4	Lg	07:30:17.121	1.3					T__						910697	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	1.29	244.9	Pn	07:30:02.320	-0.0					T__		59.0			ML	2.0	910699	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	1.29	244.9	Lg	07:30:20.546	1.3					T__						910698	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/25	07:32:52.69	1.09	0.38	47.8803	16.0702	9.5	4.0	36	0.0f	7	4	129	0.15	1.20	sx	BUD	19002086	BUD				210

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
CONA	0.15	289.0	Pg	07:32:55.975	0.1					T__		138.0			ML	0.9	910719	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.15	289.0	Lg	07:32:57.881	-0.3					T__						910723	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
RONA	0.24	139.8	Pg	07:32:57.796	0.1					T__						910720	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.24	139.8	Lg	07:33:00.851	-0.3					T__						910724	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.73	210.7	Lg	07:33:16.152	0.1					T__						910725	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.20	10.2	Pg	07:33:15.947	0.2					T__		36.6			ML	1.7	910722	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.20	10.2	Sn	07:33:33.789	0.6					T__						910721	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/25	07:51:50.67	1.51	0.96	48.4721	17.5576	12.4	3.7	123	0.0f	7	4	216	0.21	0.97	sx	BUD	19002088	BUD				279

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
MODS	0.21	242.3	Pg	07:51:55.528	0.0					T__						910745	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.21	242.3	Lg	07:51:57.892	-1.6					T__						910746	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.39	10.9	Pg	07:51:58.956	-0.1					T__		65.4			ML	1.2	910749	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.39	10.9	Lg	07:52:05.812	0.1					T__						910748	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

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(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
ZST 0.41 227.9 Lg 07:52:06.962 1.0 T__
KRUC 0.97 307.9 Pg 07:52:09.517 0.3 T__ 35.5 --- ML 1.6 910751 FDSN CZ -- BUD iLoc HHZ HHZ _
KRUC 0.97 307.9 Lg 07:52:23.782 0.3 T__ --- 910750 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1

```

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/25 08:08:05.56 3.49 0.28 48.5491 20.8191 19.7 8.7 50 0.0f 8 5 310 0.19 0.92 sx BUD 19002090 BUD 329

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Magnitude Err Nsta Author OrigID
ML 1.0 0.2 3 BUD 19002090

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
JOS 0.19 254.1 Pg 08:08:09.714 0.1 T__ 101.6 --- ML 0.8 910773 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.19 254.1 Lg 08:08:12.993 0.2 T__ --- 910779 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 0.8 magdef=1
(Station ML: 0.8 magdef=1
KECS 0.23 253.6 Pg 08:08:10.204 -0.2 T__ 495.2 --- ML 1.6 910774 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.23 253.6 Lg 08:08:14.164 0.0 T__ --- 910776 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
HU02A 0.47 204.8 Pg 08:08:15.681 0.2 T__ 24.1 --- ML 1.0 910775 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.47 204.8 Lg 08:08:22.707 -0.5 T__ --- 910780 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=1
PSZ 0.88 224.8 Lg 08:08:37.322 -0.1 T__ --- 910777 FDSN GE -- BUD iLoc HHN ??? _
ET1H 0.92 223.7 Lg 08:08:38.637 0.3 T__ --- 910778 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/25 08:41:11.93 1.38 0.71 45.6334 16.0549 9.3 8.5 54 10.0f 11 8 157 0.20 1.50 ke BUD 19002092 BUD 223

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Magnitude Err Nsta Author OrigID
ML 2.0 0.1 5 BUD 19002092

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
ZAG 0.20 346.2 Pg 08:41:16.486 0.2 T__ 1651.9 --- ML 2.1 910816 FDSN CR -- BUD iLoc BHZ BHZ _
ZAG 0.20 346.2 Lg 08:41:19.971 0.5 T__ --- 910811 FDSN CR -- BUD iLoc BHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
PTJ 0.28 347.5 Pg 08:41:17.374 -0.7 T__ 164.5 --- ML 1.3 910809 FDSN CR -- BUD iLoc BHZ BHZ _
PTJ 0.28 347.5 Lg 08:41:21.973 -0.7 T__ --- 910810 FDSN CR -- BUD iLoc BHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=0
CHES 0.46 294.9 Pg 08:41:21.078 0.0 T__ 72.2 --- ML 1.4 910812 FDSN SL -- BUD iLoc BHZ BHZ _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
KOGS 0.83 9.4 Pn 08:41:29.190 0.1 T__ 111.0 _c_ ML 2.0 910813 FDSN SL -- BUD iLoc BHZ BHZ _
(Reading ML: 2.0 magdef=1

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(Station ML: 2.0 magdef=1
BEHE 0.98 30.7 Pn 08:41:31.894 0.8 T__ 159.1 ___ ML 2.2 910815 FDSN HU -- BUD iLoc HHZ HHZ _
BEHE 0.98 30.7 Lg 08:41:45.308 1.3 T__ ___ 910814 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=0
BLY 1.19 137.5 Lg 08:41:49.606 -0.4 T__ ___ 910817 FDSN MN -- BUD iLoc HHN ??? _
OBKA 1.37 310.4 Sn 08:41:55.970 0.5 T__ ___ 910818 FDSN OE -- BUD iLoc HHN ??? _
KOVH 1.50 71.6 Lg 08:41:59.767 -0.1 T__ ___ 910819 FDSN HU -- BUD iLoc HHN ??? _

```

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/25	08:49:54.87	0.90	1.44	48.5190	18.7662	10.0	3.6	23	0.0f		14	8	154	0.80	1.24	sx	BUD	19002094	BUD			188

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.1	7 BUD	19002094

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JAVC	0.80	295.5	Pg	08:50:12.151	0.8					T__		65.6		___	ML	1.8	910868	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.80	295.5	Lg	08:50:22.797	-0.9					T__				___		910867	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
HU03A	0.83	137.5	Pg	08:50:13.669	1.5					T__		89.8		___	ML	1.9	910865	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.83	137.5	Lg	08:50:23.761	-0.7					T__				___		910866	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
PSZ	0.96	128.1	Pn	08:50:13.924	-1.0					T__		68.6		___	ML	1.9	910863	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.96	128.1	Lg	08:50:27.338	-2.2					T__				___		910869	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
ET1H	0.98	130.5	Pn	08:50:14.691	-0.2					T__		34.7		___	ML	1.6	910864	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=0)																									
MODS	1.00	262.2	Lg	08:50:28.844	-1.5					T__				___		910870	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KECS	1.14	91.2	Pn	08:50:18.694	1.5					T__		83.2		___	ML	2.1	910860	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	1.14	91.2	Lg	08:50:33.002	-1.2					T__				___		910859	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=0)																									
JOS	1.18	90.5	Pn	08:50:17.586	-0.1					T__		38.7		___	ML	1.7	910857	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	1.18	90.5	Lg	08:50:34.364	-1.0					T__				___		910858	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
HU02A	1.24	108.0	Pn	08:50:19.290	0.7					T__		30.8		___	ML	1.7	910861	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.24	108.0	Sn	08:50:35.131	-2.3					T__				___		910862	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/25	09:46:41.70	1.40	1.32	47.2389	18.3326	9.8	5.7	101	0.0f		7	5	110	0.13	1.26	sx	BUD	19002096	BUD			205
2023/04/25	09:46:41.99	1.01	0.90	47.2302	18.2835f				0.0f		7	5	107	0.13	1.29	kx	BUD_GT	19002097	BUD_GT			205

(locality: Iszkaszentgyörgy Hungary)  
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.13	353.3	Pg	09:46:45.479	0.2					T__		199.3		---	ML	1.0	910900	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.13	353.3	Lg	09:46:47.054	-1.4					T__				---		910902	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=0)																									
MPLH	0.51	263.5	Pg	09:46:53.612	1.0					T__		46.1		---	ML	1.4	910901	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.51	263.5	Lg	09:47:00.723	0.1					T__				---		910903	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=0)																									
MORH	1.05	166.2	Lg	09:47:16.707	-1.3					T__				---		910904	FDSN	HU	--	BUD	iLoc	HHN	???	_	
ET1H	1.26	58.3	Sn	09:47:24.799	0.4					T__				---		910905	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	1.29	57.1	Sn	09:47:25.761	0.0					T__				---		910906	FDSN	GE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/25	09:59:59.88	1.78	1.21	48.0543	17.0914	17.8	5.2	131	0.0f		7	5	211	0.14	0.89	sx	BUD	19002098	BUD			236

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ZST	0.14	3.0	Pg	10:00:03.808	0.5					T__				---		910926	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
ZST	0.14	3.0	Lg	10:00:06.065	-0.2					T__				---		910930	FDSN	SK	--	BUD	iLoc	HHN	???	_	
MODS	0.34	21.2	Pg	10:00:07.580	0.3					T__				---		910925	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.34	21.2	Lg	10:00:11.881	-1.4					T__				---		910931	FDSN	SK	--	BUD	iLoc	HHN	???	_	
RONA	0.64	236.8	Lg	10:00:20.889	-0.4					T__				---		910928	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.84	261.8	Lg	10:00:26.768	-0.6					T__				---		910929	FDSN	OE	--	BUD	iLoc	HHN	???	_	
JAVC	0.89	25.4	Pn	10:00:21.091	1.8					T__		46.6		---	ML	1.7	910927	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=0)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/04/25	10:08:02.12	0.88	1.18	48.2570	21.2076	4.7	4.1	33	0.0f		22	15	55	0.04	1.79	sx	BUD	19002100	BUD			106	
2023/04/25	10:08:01.73	0.85	0.69	48.2470	21.2460f				0.0f		22	15	84	0.05	1.76	kx	BUD_GT	19002101	BUD_GT			106	
(locality: Tálya Hungary)																							
(GT info : GT2 explosion)																							

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.2	9 BUD_GT	19002101

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.05	355.1	Pg	10:08:03.598	0.3					T__		10344.9		---	ML	2.5	910971	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.05	355.1	Lg	10:08:04.343	-0.6					T__				---		910972	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.5 magdef=1)																									
(Station ML: 2.5 magdef=0)																									
HU11A	0.33	189.3	Pg	10:08:09.900	1.1					T__		492.9		---	ML	1.9	910973	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU11A	0.33	189.3	Lg	10:08:14.137	-0.6					T__				---		910981	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									

HU02A	0.50	255.8	Pg	10:08:12.306	0.0	T__	104.5	___	ML	1.7	910975	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.50	255.8	Lg	10:08:19.098	-1.3	T__		---			910982	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1)																			
(Station ML: 1.7 magdef=1)																			
JOS	0.53	298.1	Pg	10:08:13.030	0.6	T__	91.8	___	ML	1.7	910974	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.53	298.1	Lg	10:08:19.396	-1.2	T__		---			910983	FDSN	Z6	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1)																			
(Station ML: 1.7 magdef=1)																			
KECS	0.56	295.3	Pg	10:08:13.435	0.4	T__	163.4	___	ML	2.0	910976	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.56	295.3	Lg	10:08:20.525	-1.0	T__		---			910984	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Reading ML: 2.0 magdef=1)																			
(Station ML: 2.0 magdef=1)																			
TRPA	0.87	97.2	Pn	10:08:20.312	0.2	T__	119.0	___	ML	2.1	910977	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.87	97.2	Lg	10:08:32.469	-0.7	T__		---			910985	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.1 magdef=1)																			
(Station ML: 2.1 magdef=1)																			
HU23A	0.90	228.1	Pg	10:08:21.121	0.3	T__	201.8	___	ML	2.3	910978	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.3 magdef=1)																			
(Station ML: 2.3 magdef=1)																			
PSZ	0.96	250.6	Pn	10:08:21.845	0.3	T__	75.6	___	ML	1.9	910979	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1)																			
(Station ML: 1.9 magdef=1)																			
ET1H	0.99	248.7	Pn	10:08:22.484	0.7	T__	38.5	___	ML	1.6	910980	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.99	248.7	Lg	10:08:35.876	-1.2	T__		---			910986	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1)																			
(Station ML: 1.6 magdef=0)																			
HU12A	1.10	195.0	Sn	10:08:39.936	-0.1	T__		---			910987	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU03A	1.16	253.3	Sn	10:08:40.861	-0.6	T__		---			910988	FDSN	Z6	00	BUD	iLoc	HHN	???	_
NIE	1.33	332.3	Lg	10:08:46.037	-0.3	T__		---			910989	FDSN	PL	--	BUD	iLoc	BHN	???	_
HU24A	1.34	182.6	Lg	10:08:47.755	-0.4	T__		---			910990	FDSN	Z6	00	BUD	iLoc	HHN	???	_
MEZ	1.54	79.1	Lg	10:08:54.119	0.3	T__		---			910991	FDSN	UA	--	BUD	iLoc	BHN	???	_
DRGR	1.76	145.2	Lg	10:09:01.166	-0.1	T__		---			910992	FDSN	RO	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/25	10:16:37.73	1.78	0.81	48.4269	19.6047	11.0	5.0	111	0.0f		12	8	204	0.52	1.10	sx	BUD	19002102	BUD			262

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.2	4 BUD	19002102

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU03A	0.52	180.4	Lg	10:16:56.241	-0.5					T__						911036	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.54	159.0	Lg	10:16:57.481	-0.6					T__						911037	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	0.58	161.9	Lg	10:16:58.067	-0.7					T__						911038	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KECS	0.59	84.2	Pg	10:16:49.950	0.4					T__	84.1				ML	1.8	911034	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.59	84.2	Lg	10:16:58.126	-0.4					T__						911039	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
JOS	0.63	83.3	Pg	10:16:51.089	0.9					T__	31.6				ML	1.3	911035	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.63	83.3	Lg	10:16:59.052	-0.7					T__						911040	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
HU02A	0.69	116.0	Pg	10:16:52.782	0.8					T__	37.0				ML	1.4	911033	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_

HU02A	0.69	116.0	Lg	10:17:01.852	-0.9	T__									911041	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
NIE	1.09	24.5	Lg	10:17:13.211	-1.1	T__									911042	FDSN	PL	--	BUD	iLoc	BHN	???	_		
ABAH	1.10	96.2	Pn	10:16:59.893	0.7	T__				41.1					ML	1.7	911044	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	1.10	96.2	Lg	10:17:15.564	-0.4	T__										911043	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/25	10:33:25.01	0.88	1.55	48.3439	19.0113	4.1	3.6	11	0.0f		25	19	97	0.50	1.54	sx	BUD	19002104	BUD			140

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.0	6 BUD	19002104

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU10A	0.50	179.4	Pg	10:33:35.727	0.3					T__		262.2			ML	2.1	911090	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU10A	0.50	179.4	Lg	10:33:42.775	-0.8					T__						911097	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
HU03A	0.59	137.9	Pg	10:33:39.219	1.8					T__		189.6			ML	2.1	911092	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.59	137.9	Lg	10:33:46.543	0.1					T__						911091	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
SRO	0.71	221.7	Lg	10:33:49.903	-1.0					T__						911098	FDSN	SK	--	BUD	iLoc	EHN	???	_	
PSZ	0.73	125.4	Lg	10:33:50.216	-1.5					T__						911099	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	0.74	128.6	Pg	10:33:40.858	0.2					T__		59.0			ML	1.7	911101	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.74	128.6	Lg	10:33:50.993	-0.7					T__						911100	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=0)																									
BUD	0.86	179.4	Lg	10:33:55.030	-1.2					T__						911102	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KECS	0.99	81.4	Lg	10:33:58.360	-1.4					T__						911103	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JAVC	1.03	300.6	Pg	10:33:47.714	1.8					T__		118.7			ML	2.1	911096	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	1.03	300.6	Lg	10:33:58.914	-2.7					T__						911104	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=0)																									
JOS	1.03	80.9	Pg	10:33:46.735	1.4					T__		95.4			ML	2.1	911106	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	1.03	80.9	Lg	10:33:59.425	-1.5					T__						911105	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
HU02A	1.04	101.8	Pn	10:33:47.161	1.3					T__		77.5			ML	2.0	911094	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.04	101.8	Lg	10:34:00.021	-2.0					T__						911093	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
HU01A	1.08	157.5	Sn	10:34:02.026	-1.1					T__						911107	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU23A	1.09	129.8	Sn	10:34:02.243	-1.0					T__						911108	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CSKK	1.10	207.5	Sn	10:34:02.804	-1.2					T__						911109	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MODS	1.16	272.1	Sn	10:34:03.499	-2.2					T__						911110	FDSN	SK	--	BUD	iLoc	HHN	???	_	
HU08A	1.17	219.1	Sn	10:34:04.668	-0.9					T__						911111	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ZST	1.28	264.1	Sn	10:34:09.176	0.7					T__						911095	FDSN	SK	--	BUD	iLoc	HHN	???	_	
NIE	1.37	37.9	Lg	10:34:09.323	-1.3					T__						911112	FDSN	PL	--	BUD	iLoc	BHN	???	_	
ABAH	1.49	91.0	Sn	10:34:15.123	2.0					T__						911113	FDSN	HU	--	BUD	iLoc	HHN	???	_	

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MPLH 1.54 220.8 Sn 10:34:17.031 2.5 T__ --- 911114 FDSN HU -- BUD iLoc HHN ??? _

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/26 07:18:16.36 1.87 1.27 48.0284 20.7249 11.4 6.1 144 0.0f 7 6 203 0.16 0.59 sx BUD 19002110 BUD 270
2023/04/26 07:18:17.08 1.00 1.20 48.0471 20.6805f 0.0f 7 6 196 0.13 0.57 kx BUD_GT 19002111 BUD_GT 264
(locality: Miskolc-Mexikóvölgy Hungary)
(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID
19002111

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU02A 0.13 305.8 Pg 07:18:21.163 0.9 T__ 308.3 --- ML 1.1 911252 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.13 305.8 Lg 07:18:22.420 -0.7 T__ --- 911253 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=0)
ABAH 0.45 56.1 Lg 07:18:31.885 -2.3 T__ --- 911254 FDSN HU -- BUD iLoc HHN ??? _
KECS 0.46 343.5 Lg 07:18:33.146 -0.3 T__ --- 911255 FDSN SK -- BUD iLoc EHN ??? _
JOS 0.46 348.2 Lg 07:18:32.851 -0.7 T__ --- 911256 FDSN Z6 -- BUD iLoc HHN ??? _
PSZ 0.54 256.6 Lg 07:18:36.553 -1.0 T__ --- 911257 FDSN GE -- BUD iLoc HHN ??? _
ET1H 0.57 253.1 Lg 07:18:37.067 -0.9 T__ --- 911258 FDSN HU -- BUD iLoc HHN ??? _

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/26 07:46:08.65 2.35 0.66 48.0127 19.6565 15.6 4.2 154 0.0f 7 4 239 0.12 0.59 sx BUD 19002112 BUD 306

Magnitude Err Nsta Author OrigID
ML 1.0 0.4 3 BUD 19002112

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU03A 0.12 199.3 Pg 07:46:11.795 0.3 T__ 500.6 --- ML 1.3 911296 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU03A 0.12 199.3 Lg 07:46:13.179 -0.6 T__ --- 911298 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1)
PSZ 0.19 120.5 Pg 07:46:13.626 0.4 T__ 168.9 --- ML 1.0 911295 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.19 120.5 Lg 07:46:16.245 -0.6 T__ --- 911297 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=1)
ET1H 0.20 132.7 Pg 07:46:13.413 0.2 T__ 50.1 --- ML 0.5 911294 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.20 132.7 Lg 07:46:16.996 0.2 T__ --- 911300 FDSN HU -- BUD iLoc HHE ??? _
(Reading ML: 0.5 magdef=1
(Station ML: 0.5 magdef=1)
HU02A 0.59 79.0 Lg 07:46:29.866 -0.8 T__ --- 911299 FDSN Z6 00 BUD iLoc HHN ??? _

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/26 08:12:11.20 3.39 1.06 47.8042 19.1357 52.7 3.6 4 0.0f 6 4 216 0.09 0.52 sx BUD 19002114 BUD 351
2023/04/26 08:12:11.41 0.97 0.81 47.8327 19.1394f 0.0f 6 4 194 0.08 0.52 kx BUD_GT 19002115 BUD_GT 352
(locality: Sejce-Vác Hungary)
(GT info : GT2 explosion)

```

Magnitude	Err	Nsta	Author	OrigID	Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L				
					HU10A	0.08	278.8	Pg	08:12:13.871	0.3					T__		1938.1		---	ML	1.8	911322	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_			
					HU10A	0.08	278.8	Lg	08:12:14.957	-0.6					T__				---			911323	FDSN	Z6	00	BUD	iLoc	HHN	???	_			
									(Reading ML: 1.8 magdef=1)																								
									(Station ML: 1.8 magdef=0)																								
					HU03A	0.32	76.9	Pg	08:12:18.885	0.5					T__		93.7		---	ML	1.2	911325	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_			
					HU03A	0.32	76.9	Lg	08:12:23.985	0.4					T__				---			911326	FDSN	Z6	00	BUD	iLoc	HHN	???	_			
									(Reading ML: 1.2 magdef=1)																								
									(Station ML: 1.2 magdef=0)																								
					ET1H	0.50	84.3	Lg	08:12:28.509	-1.3					T__				---			911327	FDSN	HU	--	BUD	iLoc	HHN	???	_			
					PSZ	0.52	80.1	Lg	08:12:30.149	-0.8					T__				---			911324	FDSN	GE	--	BUD	iLoc	HHN	???	_			

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/26	09:15:40.97	1.34	0.62	46.1098	18.1095	12.4	3.3	123	0.0f		7	5	142	0.02	1.13	sx	BUD	19002116	BUD			265

Magnitude	Err	Nsta	Author	OrigID	Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L					
					KOVH	0.02	197.2	Pg	09:15:42.253	0.3					T__		2090.9		---	ML	1.7	911349	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_				
					KOVH	0.02	197.2	Lg	09:15:42.625	-0.7					T__				---			911351	FDSN	HU	--	BUD	iLoc	HHN	???	_				
									(Reading ML: 1.7 magdef=1)																									
									(Station ML: 1.7 magdef=1)																									
					MORH	0.39	74.0	Pg	09:15:49.311	0.1					T__		41.1		---	ML	1.0	911347	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_				
					MORH	0.39	74.0	Lg	09:15:54.847	-0.7					T__				---			911352	FDSN	HU	--	BUD	iLoc	HHN	???	_				
									(Reading ML: 1.0 magdef=1)																									
									(Station ML: 1.0 magdef=1)																									
					A266A	0.43	14.4	Lg	09:15:56.735	-0.3					T__				---			911353	FDSN	Z6	00	BUD	iLoc	HHN	???	_				
					HU22A	0.74	72.5	Lg	09:16:08.985	0.6					T__				---			911348	FDSN	Z6	00	BUD	iLoc	HHN	???	_				
					MPLH	1.13	339.9	Sn	09:16:19.481	-0.3					T__				---			911350	FDSN	HU	--	BUD	iLoc	HHN	???	_				

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/26	09:23:33.80	1.25	0.61	48.5074	20.7490	8.8	3.7	13	0.0f		12	6	217	0.14	0.86	sx	BUD	19002118	BUD			295

Magnitude	Err	Nsta	Author	OrigID	Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L					
ML	1.2	0.3	6 BUD	19002118																														
					JOS	0.14	265.3	Pg	09:23:36.941	0.1					T__		179.4		---	ML	0.9	911384	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_				
					JOS	0.14	265.3	Lg	09:23:39.474	0.2					T__				---			911383	FDSN	Z6	--	BUD	iLoc	HHN	???	_				
									(Reading ML: 0.9 magdef=1)																									
									(Station ML: 0.9 magdef=1)																									
					KECS	0.18	262.2	Pg	09:23:37.409	-0.2					T__		343.2		---	ML	1.3	911382	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_				
					KECS	0.18	262.2	Lg	09:23:40.762	0.2					T__				---			911389	FDSN	SK	--	BUD	iLoc	EHN	???	_				
									(Reading ML: 1.3 magdef=1)																									
									(Station ML: 1.3 magdef=1)																									
					ABAH	0.39	122.7	Pg	09:23:42.200	0.4					T__		44.7		---	ML	1.0	911386	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_				
					ABAH	0.39	122.7	Lg	09:23:47.618	-1.0					T__				---			911390	FDSN	HU	--	BUD	iLoc	HHN	???	_				
									(Reading ML: 1.0 magdef=1)																									



```

(Station ML: 1.0 magdef=1
HU02A 0.41 201.3 Pg 09:23:42.647 0.0 T__ 22.6 ___ ML 0.8 911385 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.41 201.3 Lg 09:23:49.758 0.3 T__ ___ 911391 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 0.8 magdef=1
(Station ML: 0.8 magdef=0
PSZ 0.82 224.4 Pn 09:23:50.546 -1.1 T__ 32.9 ___ ML 1.5 911387 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.82 224.4 Lg 09:24:02.938 -0.6 T__ ___ 911392 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=0
ET1H 0.86 223.4 Pn 09:23:52.122 0.1 T__ 26.4 ___ ML 1.4 911388 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.86 223.4 Lg 09:24:04.939 0.5 T__ ___ 911393 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1

```

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/26	09:41:04.20	1.55	0.97	46.3539	21.9190	13.2	5.6	121	0.0f		10	6	214	0.70	1.58	sx	BUD	19002120	BUD			263

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.4	4 BUD	19002120

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
DRGR	0.70	51.0	Pg	09:41:18.608	0.3					T__		113.4		___	ML	1.9	911432	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_	
DRGR	0.70	51.0	Lg	09:41:28.488	-1.1					T__				___		911433	FDSN	RO	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.9 magdef=1 (Station ML: 1.9 magdef=1																										
BZS	0.77	196.1	Pg	09:41:19.375	0.2					T__		60.8		___	ML	1.7	911431	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_	
BZS	0.77	196.1	Lg	09:41:29.765	-0.3					T__				___		911430	FDSN	RO	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=1																										
DEV	0.83	124.2	Lg	09:41:33.007	1.3					T__				___		911435	FDSN	RO	--	BUD	iLoc	HHE	???	_		
GZR	1.13	147.7	Pg	09:41:25.720	-0.0					T__		119.5		___	ML	2.2	911427	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_	
GZR	1.13	147.7	Lg	09:41:40.496	-1.0					T__				___		911426	FDSN	RO	--	BUD	iLoc	HHN	???	_		
(Reading ML: 2.2 magdef=1 (Station ML: 2.2 magdef=1																										
CJR	1.21	72.2	Lg	09:41:44.116	-1.3					T__				___		911434	FDSN	RO	--	BUD	iLoc	HHN	???	_		
LOT	1.58	124.4	Pn	09:41:33.257	0.0					T__		118.5		___	ML	2.5	911428	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_	
LOT	1.58	124.4	Sn	09:41:54.208	-0.9					T__				___		911429	FDSN	RO	--	BUD	iLoc	HHN	???	_		
(Reading ML: 2.5 magdef=1 (Station ML: 2.5 magdef=1																										

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/26	10:19:03.40	1.18	0.28	47.6020	16.3686	7.4	4.4	179	0.0f		9	6	181	0.11	1.46	sx	BUD	19002122	BUD			256

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
RONA	0.11	333.5	Pg	10:19:05.791	-0.2					T__				___		911462	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.11	333.5	Lg	10:19:07.728	-0.2					T__				___		911465	FDSN	OE	--	BUD	iLoc	HHN	???	_	
SOP	0.15	57.6	Pg	10:19:06.728	-0.1					T__		131.4		_c_	ML	0.8	911463	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.15	57.6	Lg	10:19:09.687	0.3					T__				___		911466	FDSN	HU	--	BUD	iLoc	HHN	???	_	

```

(Reading ML: 0.8 magdef=1
(Station ML: 0.8 magdef=1
CONA 0.47 313.9 Pg 10:19:13.243 0.3 T__ 39.8 ___ ML 1.2 911461 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.47 313.9 Lg 10:19:19.481 0.2 T__ ___ 911467 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
ARSA 0.67 238.8 Lg 10:19:24.744 -0.2 T__ ___ 911468 FDSN OE -- BUD iLoc HHN ??? _
MDS 0.98 38.0 Lg 10:19:38.432 -0.1 T__ ___ 911469 FDSN SK -- BUD iLoc HHN ??? _
KRUC 1.46 0.7 Sn 10:19:50.589 0.3 T__ ___ 911464 FDSN CZ -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/26 10:34:55.42 0.94 1.00 46.1385 16.0127 7.6 3.7 121 0.0f 11 7 96 0.23 1.45 sx BUD 19002124 BUD 140

```

```

Magnitude Err Nsta Author OrigID
ML 1.9 0.5 4 BUD 19002124

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
PTJ 0.23 187.7 Pg 10:35:00.958 0.4 T__ 194.9 ___ ML 1.2 911497 FDSN CR -- BUD iLoc BHZ BHZ _
PTJ 0.23 187.7 Lg 10:35:04.492 -0.1 T__ ___ 911498 FDSN CR -- BUD iLoc BHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
KOGS 0.35 27.9 Pg 10:35:03.768 1.0 T__ 638.8 ___ ML 2.1 911496 FDSN SL -- BUD iLoc BHZ BHZ _
KOGS 0.35 27.9 Lg 10:35:06.281 -1.5 T__ ___ 911499 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
CRES 0.50 231.3 Pg 10:35:04.448 -0.7 T__ 98.8 ___ ML 1.7 911501 FDSN SL -- BUD iLoc BHZ BHZ _
CRES 0.50 231.3 Lg 10:35:13.156 0.8 T__ ___ 911500 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
BEHE 0.62 57.6 Pg 10:35:08.090 -0.3 T__ 278.1 ___ ML 2.3 911495 FDSN HU -- BUD iLoc HHZ HHZ _
BEHE 0.62 57.6 Lg 10:35:16.905 -0.3 T__ ___ 911502 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=1
OBKA 1.08 290.6 Lg 10:35:30.059 -0.3 T__ ___ 911503 FDSN OE -- BUD iLoc HHN ??? _
ARSA 1.16 343.3 Lg 10:35:32.692 0.2 T__ ___ 911504 FDSN OE -- BUD iLoc HHN ??? _
KOVH 1.45 91.2 Sn 10:35:43.413 1.8 T__ ___ 911505 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/04/26 14:36:50.96 3.58 1.55 47.2912 16.4088 25.6 6.8 125 0.0f 7 4 266 0.42 1.77 sx BUD 19002126 BUD 330

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```

Magnitude Err Nsta Author OrigID

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```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
RONA 0.42 349.5 Pg 14:36:59.410 -0.1 T__ ___ 911532 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.42 349.5 Lg 14:37:04.265 -1.1 T__ ___ 911531 FDSN OE -- BUD iLoc HHN ??? _
ARSA 0.60 266.5 Pg 14:37:03.602 0.9 T__ 34.3 ___ ML 1.4 911533 FDSN OE -- BUD iLoc HHZ HHZ _
ARSA 0.60 266.5 Lg 14:37:08.542 -1.8 T__ ___ 911534 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
CONA 0.74 330.1 Pg 14:37:06.425 0.8 T__ 37.9 ___ ML 1.5 911529 FDSN OE -- BUD iLoc HHZ HHZ _

```

```

CONA  0.74 330.1 Lg      14:37:16.560  1.2          T__          ---          911530      FDSN  OE      --  BUD  iLoc  HHN  ???  _
(Reading ML:  1.5 magdef=1
(Station ML:  1.5 magdef=1
KRUC  1.77 359.7 Sn      14:37:47.003  1.5          T__          ---          911535      FDSN  CZ      --  BUD  iLoc  HHN  ???  _

```

```

Date      Time      Err    RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author      OrigID      Rep  DPdep  Err Sgp
2023/04/26 17:47:54.18  1.28  0.61 48.7076  21.9744  9.2   5.5  22  7.8  13.9  31  19 156  0.22  2.15  ke  BUD      19002128  BUD          202

```

```

Magnitude  Err Nsta Author      OrigID
ML         2.6 0.1  15 BUD      19002128

```

```

Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh  ACh  L
UZH  0.22 109.8 Pg      17:47:58.488  -0.3          T__          ---          912181      FDSN  UA      --  BUD  iLoc  BHZ  ???  _
UZH  0.22 109.8 Lg      17:48:02.044  -0.9          T__          ---          912204      FDSN  UA      --  BUD  iLoc  BHN  ???  _
ABAH 0.64 230.1 Pg      17:48:07.068  0.3          T__          674.8  --- ML    2.7 912185      FDSN  HU      --  BUD  iLoc  HHZ  HHZ  _
ABAH 0.64 230.1 Lg      17:48:15.574  -1.1          T__          ---          912190      FDSN  HU      --  BUD  iLoc  HHN  ???  _
(Reading ML:  2.7 magdef=1
(Station ML:  2.7 magdef=1
TRPA 0.69 146.7 Pg      17:48:07.537  -0.0          T__          1270.5  --- ML    3.0 912179      FDSN  HU      --  BUD  iLoc  HHZ  HHZ  _
TRPA 0.69 146.7 Lg      17:48:17.320  -1.0          T__          ---          912191      FDSN  HU      --  BUD  iLoc  HHN  ???  _
(Reading ML:  3.0 magdef=1
(Station ML:  3.0 magdef=0
HU07A 0.73 183.2 Pg      17:48:09.091  0.6          T__          1180.2  --- ML    3.0 912180      FDSN  Z6      00  BUD  iLoc  HHZ  HHZ  _
(Reading ML:  3.0 magdef=1
(Station ML:  3.0 magdef=0
HU11A 0.95 214.8 Pn      17:48:13.243  0.7          T__          540.4  --- ML    2.8 912186      FDSN  Z6      00  BUD  iLoc  HHZ  HHZ  _
HU11A 0.95 214.8 Lg      17:48:27.657  0.9          T__          ---          912193      FDSN  Z6      00  BUD  iLoc  HHN  ???  _
(Reading ML:  2.8 magdef=1
(Station ML:  2.8 magdef=1
JOS   0.98 258.0 Pn      17:48:12.519  -0.5          T__          341.9  _c_ ML    2.6 912188      FDSN  Z6      --  BUD  iLoc  HHZ  HHZ  _
JOS   0.98 258.0 Lg      17:48:26.465  -0.4          T__          ---          912192      FDSN  Z6      --  BUD  iLoc  HHN  ???  _
(Reading ML:  2.6 magdef=1
(Station ML:  2.6 magdef=1
KECS  1.01 257.8 Pn      17:48:13.115  -0.5          T__          749.7  --- ML    2.9 912189      FDSN  SK      --  BUD  iLoc  EHZ  EHZ  _
KECS  1.01 257.8 Lg      17:48:27.317  -0.8          T__          ---          912194      FDSN  SK      --  BUD  iLoc  EHN  ???  _
(Reading ML:  2.9 magdef=1
(Station ML:  2.9 magdef=1
MEZ   1.04 100.2 Pn      17:48:14.414  -0.1          T__          ---          912182      FDSN  UA      --  BUD  iLoc  BHZ  ???  _
MEZ   1.04 100.2 Lg      17:48:29.339  0.3          T__          ---          912195      FDSN  UA      --  BUD  iLoc  BHN  ???  _
HU02A 1.13 239.3 Pn      17:48:15.542  0.2          T__          204.2  --- ML    2.4 912187      FDSN  Z6      00  BUD  iLoc  HHZ  HHZ  _
HU02A 1.13 239.3 Sn      17:48:31.362  -0.7          T__          ---          912196      FDSN  Z6      00  BUD  iLoc  HHN  ???  _
(Reading ML:  2.4 magdef=1
(Station ML:  2.4 magdef=0
HU05A 1.29 206.2 Lg      17:48:37.781  0.3          T__          ---          912198      FDSN  Z6      00  BUD  iLoc  HHN  ???  _
NIE   1.31 303.5 Pg      17:48:18.917  0.3          T__          44.2  --- ML    1.9 912197      FDSN  PL      --  BUD  iLoc  BHZ  BHZ  _
(Reading ML:  1.9 magdef=1
(Station ML:  1.9 magdef=0
LTVH  1.32 182.2 Pn      17:48:18.353  0.5          T__          248.5  --- ML    2.6 912184      FDSN  HU      --  BUD  iLoc  HHZ  HHZ  _
LTVH  1.32 182.2 Lg      17:48:38.644  0.1          T__          ---          912205      FDSN  HU      --  BUD  iLoc  HHN  ???  _
(Reading ML:  2.6 magdef=1
(Station ML:  2.6 magdef=1
BMR   1.45 134.9 Pn      17:48:20.227  0.2          T__          481.0  --- ML    3.0 912183      FDSN  RO      --  BUD  iLoc  HHZ  HHZ  _

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BMR	1.45	134.9	Sn	17:48:41.454	1.1	T__									912206	FDSN	RO	--	BUD	iLoc	HHN	???	_		
(Reading ML: 3.0 magdef=1)																									
(Station ML: 3.0 magdef=0)																									
PSZ	1.60	241.1	Pg	17:48:26.055	0.4	T__	116.6								2.5	912199	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_	
PSZ	1.60	241.1	Lg	17:48:47.688	-0.3	T__										912207	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.5 magdef=1)																									
(Station ML: 2.5 magdef=1)																									
ET1H	1.63	240.2	Pg	17:48:25.960	-0.2	T__	68.3									2.2	912200	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	1.63	240.2	Lg	17:48:48.700	0.1	T__											912208	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=0)																									
HU12A	1.71	207.2	Lg	17:48:51.878	0.8	T__										912201	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU03A	1.78	244.0	Pg	17:48:28.544	-0.4	T__	137.6										912202	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.6 magdef=1)																									
(Station ML: 2.6 magdef=1)																									
DRGR	1.98	165.2	Pn	17:48:27.673	0.3	T__	70.2										912203	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=1)																									
HU10A	2.15	247.5	Pg	17:48:36.589	0.4	T__	71.9										912209	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.6 magdef=1)																									
(Station ML: 2.6 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/27	07:28:26.76	1.79	1.04	48.2485	21.2714	12.3	8.4	159	0.0f		6	4	158	0.05	0.86	sx	BUD	19002136	BUD			280
2023/04/27	07:28:26.95	1.02	0.97	48.2470	21.2460f				0.0f		6	4	158	0.05	0.87	kx	BUD_GT	19002137	BUD_GT			260
(locality: Táillya Hungary)																						
(GT info : GT2 explosion)																						

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.05	355.1	Pg	07:28:28.743	0.2					T__		847.0		_c	ML	1.4	914160	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.05	355.1	Lg	07:28:29.574	-0.5					T__						914161	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=0)																									
HU02A	0.50	255.8	Lg	07:28:45.552	-0.1					T__						914165	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
JOS	0.53	298.1	Pg	07:28:38.239	0.6					T__	18.7					914162	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_	
JOS	0.53	298.1	Lg	07:28:45.117	-0.7					T__						914163	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=0)																									
TRPA	0.87	97.2	Lg	07:28:56.529	-1.9					T__						914164	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/27	07:47:05.81	0.99	1.01	46.0726	22.8390	9.5	4.1	86	0.0f		9	6	110	0.19	0.97	sx	BUD	19002138	BUD			169

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.1	3 BUD	19002138

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DEV	0.19	166.6	Pg	07:47:09.751	0.2					T__		1270.6		_c	ML	1.9	914226	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_

DEV	0.19	166.6	Lg	07:47:12.349	0.1	T__								914227	FDSN	RO	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1)																						
(Station ML: 1.9 magdef=1)																						
GZR	0.68	183.7	Pg	07:47:19.077	0.2	T__	94.0							914229	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	0.68	183.7	Lg	07:47:27.849	-0.7	T__								914228	FDSN	RO	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1)																						
(Station ML: 1.9 magdef=1)																						
DRGR	0.72	353.0	Pg	07:47:21.153	0.7	T__	57.9							914230	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	0.72	353.0	Lg	07:47:30.308	-1.9	T__								914231	FDSN	RO	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1)																						
(Station ML: 1.7 magdef=1)																						
CJR	0.83	39.1	Lg	07:47:33.929	-1.1	T__								914232	FDSN	RO	--	BUD	iLoc	HHN	???	_
LOT	0.90	133.5	Lg	07:47:36.161	-0.2	T__								914233	FDSN	RO	--	BUD	iLoc	HHN	???	_
BZS	0.97	242.4	Lg	07:47:37.754	-0.6	T__								914234	FDSN	RO	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/27	08:08:58.98	3.77	1.71	48.3791	21.2928	23.5	10.2	58	0.0f	5	4	279	0.09	1.04	sx	BUD	19002140	BUD				320

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.09	203.1	Pg	08:09:01.277	-0.1					T__		139.8			ML	0.7	915363	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.09	203.1	Lg	08:09:03.875	0.4					T__						915366	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.7 magdef=1)																									
(Station ML: 0.7 magdef=0)																									
JOS	0.52	283.4	Lg	08:09:17.629	0.4					T__						915364	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
HU02A	0.57	243.7	Lg	08:09:19.801	-0.4					T__						915365	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	1.04	244.3	Sn	08:09:34.449	-2.3					T__						915367	FDSN	GE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/27	08:15:12.62	3.61	1.13	46.1112	18.0840	27.0	5.9	108	0.0f	5	3	186	0.03	1.12	sx	BUD	19002142	BUD				280

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOVH	0.03	154.2	Pg	08:15:13.903	0.1					T__		2063.3			ML	1.7	915385	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.03	154.2	Lg	08:15:14.925	-0.3					T__						915386	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
MORH	0.40	74.9	Pg	08:15:21.249	0.1					T__		30.8			ML	0.9	915383	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.40	74.9	Lg	08:15:27.615	-0.1					T__						915384	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
MPLH	1.12	340.7	Sn	08:15:49.652	-1.6					T__						915387	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/27	08:25:58.52	1.34	0.82	48.5173	20.7486	9.6	4.0	10	0.0f	11	6	205	0.14	1.26	sx	BUD	19002144	BUD				243

Magnitude Err Nsta Author OrigID

ML 1.2 0.1 5 BUD 19002144

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
JOS	0.14	261.3	Pg	08:26:01.570	0.0					T__		254.3		---	ML	1.1	915414	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.14	261.3	Lg	08:26:04.402	0.4					T__				---		915418	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1 Station ML: 1.1 magdef=1)																									
ABAH	0.40	123.9	Pg	08:26:07.026	0.4					T__		58.8		---	ML	1.2	915420	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.40	123.9	Lg	08:26:12.775	-0.8					T__				---		915419	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1 Station ML: 1.2 magdef=1)																									
HU02A	0.42	200.8	Pg	08:26:07.553	0.0					T__		35.7		---	ML	1.0	915415	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.42	200.8	Lg	08:26:14.914	0.4					T__				---		915416	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1 Station ML: 1.0 magdef=0)																									
PSZ	0.83	223.9	Pn	08:26:15.649	-0.8					T__		62.8		---	ML	1.8	915417	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.83	223.9	Lg	08:26:28.232	-0.3					T__				---		915421	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=0)																									
ET1H	0.87	222.9	Pn	08:26:16.060	-0.8					T__		25.9		---	ML	1.4	915423	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.87	222.9	Lg	08:26:29.517	0.1					T__				---		915422	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1 Station ML: 1.4 magdef=1)																									
TRPA	1.26	107.3	Sn	08:26:39.536	-1.7					T__				---		915424	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/27	09:59:50.30	1.04	0.65	48.1027	17.0080	12.2	3.5	132	0.0f		12	8	196	0.11	1.56	sx	BUD	19002146	BUD			196

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ZST	0.11	34.1	Pg	09:59:53.229	0.1					T__				---		915495	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
ZST	0.11	34.1	Lg	09:59:55.592	-0.1					T__				---		915497	FDSN	SK	--	BUD	iLoc	HHN	???	_	
MODS	0.33	33.5	Pg	09:59:57.359	-0.0					T__				---		915494	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.33	33.5	Lg	10:00:02.320	-0.7					T__				---		915498	FDSN	SK	--	BUD	iLoc	HHN	???	_	
RONA	0.63	230.2	Pg	10:00:03.103	0.2					T__				---		915500	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.63	230.2	Lg	10:00:10.300	-0.9					T__				---		915499	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.79	257.6	Lg	10:00:16.523	0.2					T__				---		915501	FDSN	OE	--	BUD	iLoc	HHN	???	_	
JAVC	0.88	30.0	Pg	10:00:09.283	1.0					T__		39.0		---	ML	1.6	915502	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1 Station ML: 1.6 magdef=1)																									
KRUC	1.04	337.3	Lg	10:00:25.124	-0.6					T__				---		915496	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
ARSA	1.32	230.2	Pn	10:00:15.091	-0.4					T__		35.8		---	ML	1.8	915503	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
ARSA	1.32	230.2	Lg	10:00:32.380	0.2					T__				---		915504	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=1)																									
TREC	1.56	320.4	Sn	10:00:39.180	-0.8					T__				---		915505	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/27	10:28:50.27	1.21	1.13	47.5781	16.3724	7.8	4.8	179	0.0f		11	8	143	0.13	1.55	sx	BUD	19002148	BUD			218

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.13	337.1	Pg	10:28:53.016	-0.3					T__						916094	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.13	337.1	Lg	10:28:55.443	-0.1					T__						916093	FDSN	OE	--	BUD	iLoc	HHN	???	_	
SOP	0.16	50.0	Pg	10:28:53.995	0.1					T__		216.8		---	ML	1.1	916092	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.16	50.0	Lg	10:28:56.146	-0.5					T__				---		916097	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
CONA	0.49	315.7	Pg	10:29:00.319	0.2					T__		93.9		---	ML	1.6	916095	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.49	315.7	Lg	10:29:07.303	0.6					T__				---		916096	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
ARSA	0.66	240.7	Lg	10:29:11.344	-0.1					T__				---		916098	FDSN	OE	--	BUD	iLoc	HHN	???	_	
MODS	1.00	37.0	Pg	10:29:11.071	0.4					T__				---		916099	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
HU08A	1.06	97.4	Sn	10:29:24.704	-2.6					T__				---		916100	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KRUC	1.48	0.6	Sn	10:29:36.348	-1.4					T__				---		916101	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
JAVC	1.55	33.6	Sn	10:29:41.176	0.8					T__				---		916102	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/27	11:52:23.36	0.92	0.56	47.8756	16.0679	5.9	3.7	35	0.0f		11	7	80	0.15	1.51	sx	BUD	19002150	BUD			152

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.5	3 BUD	19002150

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.15	290.9	Pg	11:52:26.593	0.0					T__		181.8		---	ML	1.0	916127	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.15	290.9	Lg	11:52:28.041	-0.8					T__				---		916128	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
RONA	0.23	138.7	Pg	11:52:28.254	-0.1					T__				---		916129	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.23	138.7	Lg	11:52:31.490	-0.3					T__				---		916130	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.73	210.7	Lg	11:52:47.103	0.5					T__				---		916133	FDSN	OE	--	BUD	iLoc	HHN	???	_	
MODS	0.95	58.0	Lg	11:52:57.408	0.1					T__				---		916134	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KRUC	1.21	10.3	Pg	11:52:46.373	-0.1					T__		26.6		---	ML	1.6	916131	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.21	10.3	Sn	11:53:03.577	-0.4					T__				---		916132	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
TREC	1.47	345.0	Pn	11:52:51.617	0.9					T__		44.5		---	ML	2.0	916137	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
TREC	1.47	345.0	Lg	11:53:11.886	0.6					T__				---		916136	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
CKRC	1.51	309.5	Lg	11:53:12.653	0.4					T__				---		916135	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/27	19:24:48.44	1.47	0.45	48.0198	19.4791	20.9	4.9	170	10.4	22.3	9	5	200	0.14	0.71	ke	BUD	19002160	BUD			296

Magnitude	Err	Nsta	Author	OrigID
ML	0.8	0.2	4 BUD	19002160

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU03A	0.14	145.0	Pg	19:24:52.420	0.3					T__		86.0		---	ML	0.6	916359	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.14	145.0	Lg	19:24:54.347	-0.5					T__				---		916354	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 0.6 magdef=1)																									
(Station ML: 0.6 magdef=1)																									
PSZ	0.30	109.8	Pg	19:24:55.576	0.3					T__		54.4		_c	ML	0.9	916356	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.30	109.8	Lg	19:25:00.234	-0.1					T__				---		916351	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
ET1H	0.30	118.0	Pg	19:24:55.369	0.2					T__		33.9		---	ML	0.7	916353	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.30	118.0	Lg	19:24:59.669	-0.3					T__				---		916352	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.7 magdef=1)																									
(Station ML: 0.7 magdef=1)																									
HU10A	0.36	240.7	Lg	19:25:01.608	-0.3					T__				---		916357	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.71	81.3	Pg	19:25:03.278	0.2					T__		18.9		---	ML	1.2	916355	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.71	81.3	Lg	19:25:13.115	-0.5					T__				---		916358	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/28	06:03:23.37	1.09	0.66	48.3900	17.3247	8.4	2.9	120	0.0f		13	8	191	0.04	1.40	sx	BUD	19002164	BUD			211

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.04	242.6	Pg	06:03:25.432	0.7					T__				---		920066	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.04	242.6	Lg	06:03:25.683	-0.6					T__				---		920070	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ZST	0.24	217.5	Pg	06:03:28.882	0.1					T__				---		920067	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
ZST	0.24	217.5	Lg	06:03:31.713	-1.4					T__				---		920071	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.52	25.9	Pg	06:03:34.428	0.1					T__		105.6		---	ML	1.8	920068	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.52	25.9	Lg	06:03:42.540	-0.2					T__				---		920072	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
KRUC	0.91	317.9	Pg	06:03:41.337	0.5					T__		42.3		---	ML	1.6	920069	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	0.91	317.9	Lg	06:03:53.197	-1.1					T__				---		920073	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
RONA	0.98	225.4	Pg	06:03:42.974	0.2					T__				---		920075	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.98	225.4	Lg	06:03:55.578	0.1					T__				---		920074	FDSN	OE	--	BUD	iLoc	HHN	???	_	
VRAC	1.04	332.6	Lg	06:03:58.200	-0.1					T__				---		920076	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
CONA	1.08	245.3	Lg	06:03:59.028	0.3					T__				---		920077	FDSN	OE	--	BUD	iLoc	HHN	???	_	
MORC	1.40	5.8	Lg	06:04:08.770	0.0					T__				---		920078	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/28	07:15:01.90	0.88	1.19	47.3277	17.6476	4.8	3.4	148	0.0f		16	12	87	0.17	1.35	sx	BUD	19002166	BUD			120

Magnitude Err Nsta Author OrigID  
ML 1.5 0.1 3 BUD 19002166



Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MPLH	0.17	205.1	Pg	07:15:06.470	0.4					T__		570.4		---	ML	1.5	920128	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.17	205.1	Lg	07:15:08.216	-1.2					T__				---		920129	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
HU08A	0.21	61.0	Lg	07:15:09.992	-1.0					T__				---		920130	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CSKK	0.42	84.9	Pg	07:15:11.934	1.3					T__		110.3		---	ML	1.5	920131	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.42	84.9	Lg	07:15:16.831	-1.3					T__				---		920132	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
TIH	0.46	158.5	Lg	07:15:18.177	-0.5					T__				---		920133	FDSN	HU	--	BUD	iLoc	HHN	???	_	
BADH	0.54	193.0	Lg	07:15:20.475	-0.4					T__				---		920134	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU09A	0.59	57.8	Lg	07:15:22.148	-1.8					T__				---		920135	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
RONA	0.99	292.6	Pg	07:15:21.344	-0.3					T__				---		920137	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.99	292.6	Lg	07:15:34.460	-0.2					T__				---		920136	FDSN	OE	--	BUD	iLoc	HHN	???	_	
HU10A	1.06	60.3	Pn	07:15:24.002	1.0					T__		118.3		---	ML	2.2	920139	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU10A	1.06	60.3	Sn	07:15:38.395	-1.2					T__				---		920138	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
MODS	1.08	346.7	Sn	07:15:38.113	-2.1					T__				---		920140	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KOVH	1.28	165.7	Sn	07:15:45.157	0.8					T__				---		920141	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MORH	1.31	148.1	Sn	07:15:45.749	0.7					T__				---		920142	FDSN	HU	--	BUD	iLoc	HHN	???	_	
CONA	1.35	297.1	Lg	07:15:46.700	0.9					T__				---		920143	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/28	08:20:25.12	1.50	1.18	48.0799	21.3671	8.8	6.3	136	0.0f		14	10	116	0.23	1.51	sx	BUD	19002168	BUD			173

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.1	4 BUD	19002168

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.23	338.5	Pg	08:20:30.872	0.6					T__		267.9		---	ML	1.4	920174	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.23	338.5	Lg	08:20:32.959	-1.7					T__				---		920181	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
HU02A	0.57	274.6	Pg	08:20:37.756	0.7					T__		29.5		---	ML	1.3	920180	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.57	274.6	Lg	08:20:45.166	-1.0					T__				---		920179	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
JOS	0.69	307.3	Pg	08:20:39.719	0.8					T__		29.7		---	ML	1.4	920175	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.69	307.3	Lg	08:20:48.789	-0.7					T__				---		920177	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
KECS	0.71	304.8	Pg	08:20:40.220	0.8					T__		84.3		---	ML	1.8	920176	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.71	304.8	Lg	08:20:49.971	-0.3					T__				---		920178	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
TRPA	0.79	85.9	Lg	08:20:52.605	-1.3					T__				---		920182	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU12A	0.97	202.3	Lg	08:20:58.343	-1.7					T__				---		920184	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	1.00	261.3	Lg	08:20:59.881	-1.4					T__				---		920183	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	1.02	259.2	Lg	08:21:00.693	-0.9					T__				---		920185	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MEZ	1.50	72.3	Sn	08:21:15.528	1.0					T__				---		920187	FDSN	UA	--	BUD	iLoc	BHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp				
NIE	1.51	332.6	Sn	08:21:15.229	0.7			T__										920186	FDSN	PL	--	BUD	iLoc	BHN	???	_
2023/04/28	09:03:03.07	0.99	1.32	48.6783	18.7225	8.4	5.1	22	0.0f		11	9	132	0.72	1.34	sx	BUD	19002170	BUD							172
Magnitude	Err	Nsta	Author	OrigID																						
ML	1.7	0.1	5	BUD	19002170																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
JAVC	0.72	285.0	Pg	09:03:18.306	0.4					T__		59.8			ML	1.7	920221	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_	
JAVC	0.72	285.0	Lg	09:03:28.015	-1.0					T__						920222	FDSN	CZ	--	BUD	iLoc	HHN	???	_		
				(Reading ML: 1.7 magdef=1)																						
				(Station ML: 1.7 magdef=1)																						
HU10A	0.86	166.5	Lg	09:03:33.701	-0.4					T__						920223	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
HU03A	0.97	142.6	Pn	09:03:24.485	1.5					T__		57.9			ML	1.8	920220	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
				(Reading ML: 1.8 magdef=1)																						
				(Station ML: 1.8 magdef=0)																						
MODS	1.01	252.9	Lg	09:03:38.108	-0.6					T__						920224	FDSN	SK	--	BUD	iLoc	HHN	???	_		
PSZ	1.09	133.7	Sn	09:03:40.702	-1.5					T__						920225	FDSN	GE	--	BUD	iLoc	HHN	???	_		
ET1H	1.11	135.8	Pn	09:03:25.353	0.4					T__		22.0			ML	1.5	920227	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ET1H	1.11	135.8	Sn	09:03:41.194	-1.0					T__						920226	FDSN	HU	--	BUD	iLoc	HHN	???	_		
				(Reading ML: 1.5 magdef=1)																						
				(Station ML: 1.5 magdef=0)																						
JOS	1.22	97.9	Lg	09:03:43.477	-1.0					T__						920218	FDSN	Z6	--	BUD	iLoc	HHN	???	_		
HU02A	1.32	114.2	Pn	09:03:30.361	2.3					T__		23.8			ML	1.6	920219	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
				(Reading ML: 1.6 magdef=1)																						
				(Station ML: 1.6 magdef=1)																						
MORC	1.34	325.3	Pg	09:03:28.270	0.2					T__		29.4			ML	1.7	920228	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_	
				(Reading ML: 1.7 magdef=1)																						
				(Station ML: 1.7 magdef=1)																						
Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp				
2023/04/28	09:54:50.64	1.43	0.61	48.5296	20.7570	10.6	3.8	11	0.0f		10	5	228	0.15	0.84	sx	BUD	19002172	BUD					303		
Magnitude	Err	Nsta	Author	OrigID																						
ML	1.1	0.0	5	BUD	19002172																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
JOS	0.15	256.9	Pg	09:54:53.974	0.1					T__		269.2			ML	1.1	920260	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_	
JOS	0.15	256.9	Lg	09:54:56.848	0.5					T__						920261	FDSN	Z6	--	BUD	iLoc	HHN	???	_		
				(Reading ML: 1.1 magdef=1)																						
				(Station ML: 1.1 magdef=1)																						
KECS	0.19	255.7	Pg	09:54:54.421	-0.2					T__		769.5			ML	1.7	920263	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_	
KECS	0.19	255.7	Lg	09:54:57.657	-0.0					T__						920262	FDSN	SK	--	BUD	iLoc	EHN	???	_		
				(Reading ML: 1.7 magdef=1)																						
				(Station ML: 1.7 magdef=0)																						
ABAH	0.40	125.8	Pg	09:54:59.190	0.3					T__		53.6			ML	1.1	920266	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ABAH	0.40	125.8	Lg	09:55:04.599	-1.2					T__						920265	FDSN	HU	--	BUD	iLoc	HHN	???	_		
				(Reading ML: 1.1 magdef=1)																						
				(Station ML: 1.1 magdef=1)																						

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HU02A 0.44 200.9 Pg      09:55:00.276  0.3      T__      25.7      ___ ML    0.9 920264    FDSN Z6    00 BUD  iLoc  HHZ HHZ  _
HU02A 0.44 200.9 Lg      09:55:07.047 -0.0      T__      ___      ___      920268    FDSN Z6    00 BUD  iLoc  HHN ???  _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=0
PSZ   0.84 223.6 Pn      09:55:08.985  0.2      T__      33.2      ___ ML    1.5 920267    FDSN GE    -- BUD  iLoc  HHZ HHZ  _
PSZ   0.84 223.6 Lg      09:55:20.269 -0.8      T__      ___      ___      920269    FDSN GE    -- BUD  iLoc  HHN ???  _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1

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Date      Time      Err    RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef  Nsta Gap  mdist  Mdist Qual  Author      OrigID  Rep  DPdep  Err Sgp
2023/04/28 10:00:25.88  1.00  0.83 48.2041  16.9687  7.0  4.2 172  0.0f      7  4 154  0.09  0.94  sx BUD      19002174  BUD                241

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Magnitude Err Nsta Author OrigID

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Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
ZST  0.09  95.1 Pg      10:00:28.754  0.4      T__      ___      ___      920296    FDSN SK    -- BUD  iLoc  HHZ ???  _
ZST  0.09  95.1 Lg      10:00:29.712 -0.8      T__      ___      ___      920295    FDSN SK    -- BUD  iLoc  HHN ???  _
MODS 0.27  50.4 Pg      10:00:32.288  0.5      T__      ___      ___      920297    FDSN SK    -- BUD  iLoc  HHZ ???  _
MODS 0.27  50.4 Lg      10:00:35.482 -1.2      T__      ___      ___      920298    FDSN SK    -- BUD  iLoc  HHN ???  _
CONA 0.79 250.0 Pg      10:00:41.131 -0.5      T__      30.4      ___ ML    1.4 920300    FDSN OE    -- BUD  iLoc  HHZ HHZ  _
CONA 0.79 250.0 Lg      10:00:52.420  0.5      T__      ___      ___      920294    FDSN OE    -- BUD  iLoc  HHN ???  _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=0
KRUC 0.94 336.3 Lg      10:00:57.816  0.0      T__      ___      ___      920299    FDSN CZ    -- BUD  iLoc  HHN ???  _

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Date      Time      Err    RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef  Nsta Gap  mdist  Mdist Qual  Author      OrigID  Rep  DPdep  Err Sgp
2023/04/28 11:05:46.04  2.55  1.05 48.7273  21.3683  27.9  6.8  2  0.0f      10  6 239  0.60  1.31  sx BUD      19002176  BUD                335

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Magnitude Err Nsta Author OrigID  
ML 1.8 0.0 5 BUD 19002176

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Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
JOS  0.60 247.5 Pg      11:05:57.977  0.0      T__      43.4      ___ ML    1.5 920330    FDSN Z6    -- BUD  iLoc  HHZ HHZ  _
JOS  0.60 247.5 Lg      11:06:06.664 -0.3      T__      ___      ___      920324    FDSN Z6    -- BUD  iLoc  HHN ???  _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=0
KECS 0.63 247.7 Pg      11:05:58.765  0.0      T__      110.2      ___ ML    1.9 920331    FDSN SK    -- BUD  iLoc  EHZ EHZ  _
KECS 0.63 247.7 Lg      11:06:08.048 -0.2      T__      ___      ___      920325    FDSN SK    -- BUD  iLoc  EHN ???  _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=0
HU02A 0.83 223.2 Pn      11:06:03.066 -0.8      T__      32.7      ___ ML    1.5 920333    FDSN Z6    00 BUD  iLoc  HHZ HHZ  _
HU02A 0.83 223.2 Lg      11:06:15.841  0.0      T__      ___      ___      920332    FDSN Z6    00 BUD  iLoc  HHN ???  _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
TRPA 0.98 127.0 Pg      11:06:05.018 -0.0      T__      53.9      ___ ML    1.8 920326    FDSN HU    -- BUD  iLoc  HHZ HHZ  _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
PSZ   1.27 231.1 Pn      11:06:11.138  0.9      T__      37.6      ___ ML    1.8 920328    FDSN GE    -- BUD  iLoc  HHZ HHZ  _
PSZ   1.27 231.1 Sn      11:06:30.897  1.4      T__      ___      ___      920327    FDSN GE    -- BUD  iLoc  HHN ???  _
(Reading ML: 1.8 magdef=1

```

(Station ML: 1.8 magdef=1  
 ET1H 1.31 230.2 Sn 11:06:31.960 2.0 T\_\_ --- 920329 FDSN HU -- BUD iLoc HHN ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/28	19:05:34.57	3.54	0.17	45.8725	17.8603	40.8	6.8	165	10.0f	5	3	267	0.05	0.64	ke	BUD	19002182	BUD				340

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
A273A	0.05	324.9	Pg	19:05:36.792	-0.1					T__		166.3		---	ML	0.7	920771	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
A273A	0.05	324.9	Lg	19:05:38.687	0.2					T__				---		920770	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 0.7 magdef=1 (Station ML: 0.7 magdef=1																										
KOVH	0.27	37.7	Pg	19:05:40.550	0.0					T__		19.9		---	ML	0.4	920769	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
KOVH	0.27	37.7	Lg	19:05:44.600	-0.2					T__				---		920772	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 0.4 magdef=1 (Station ML: 0.4 magdef=1																										
MORH	0.64	57.6	Lg	19:05:56.848	0.1					T__				---		920773	FDSN	HU	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/29	08:29:48.30	1.34	0.29	48.5316	20.8031	7.0	6.1	27	0.0f	10	8	149	0.18	1.02	sx	BUD	19002190	BUD				230

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
JOS	0.18	258.6	Pg	08:29:52.185	0.1					T__		126.5		---	ML	0.9	922604	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_	
JOS	0.18	258.6	Lg	08:29:55.443	0.4					T__				---		922605	FDSN	Z6	--	BUD	iLoc	HHN	???	_		
(Reading ML: 0.9 magdef=1 (Station ML: 0.9 magdef=1																										
KECS	0.22	257.2	Pg	08:29:52.590	-0.3					T__		568.1		---	ML	1.7	922607	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_	
KECS	0.22	257.2	Lg	08:29:56.572	0.2					T__				---		922606	FDSN	SK	--	BUD	iLoc	EHN	???	_		
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=1																										
ABAH	0.37	128.9	Lg	08:30:02.767	0.1					T__				---		922608	FDSN	HU	--	BUD	iLoc	HHN	???	_		
HU02A	0.45	204.5	Lg	08:30:05.493	0.3					T__				---		922609	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
PSZ	0.86	225.1	Lg	08:30:19.375	-0.1					T__				---		922610	FDSN	GE	--	BUD	iLoc	HHN	???	_		
ET1H	0.90	224.0	Lg	08:30:20.567	0.1					T__				---		922611	FDSN	HU	--	BUD	iLoc	HHN	???	_		
NIE	0.95	339.7	Lg	08:30:19.684	0.0					T__				---		922613	FDSN	PL	--	BUD	iLoc	BHN	???	_		
HU03A	1.02	232.5	Lg	08:30:23.952	-0.4					T__				---		922612	FDSN	Z6	00	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/29	13:53:59.11	1.44	1.26	46.0140	17.0941	24.3	8.3	6	12.0f	5	5	177	0.70	1.16	ke	BUD	19002192	BUD				182

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
KOVH	0.70	83.6	Pg	13:54:13.028	-0.1					T__		50.3		---	ML	1.6	922632	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=0																										

KOGS	0.73	306.9	Lg	13:54:22.891	-0.0	T__	---	922634	FDSN	SL	--	BUD	iLoc	BHN	???	_
PTJ	0.79	262.6	Lg	13:54:25.699	-0.1	T__	---	922630	FDSN	CR	--	BUD	iLoc	BHN	???	_
MORH	1.10	78.9	Sn	13:54:35.315	1.2	T__	---	922633	FDSN	HU	--	BUD	iLoc	HHN	???	_
CRES	1.16	261.2	Sn	13:54:37.425	1.3	T__	---	922631	FDSN	SL	--	BUD	iLoc	BHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/04/29	21:15:25.17	0.98	0.57	46.1478	16.0796	12.7	3.7	113	9.0f	8	5	169	0.25	1.17	ke	BUD	19002198	BUD				210

Magnitude	Err	Nsta	Author	OrigID
ML	1.0	0.0	3 BUD	19002198

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
PTJ	0.25	197.9	Pg	21:15:30.894	0.1					T__		91.9		---	ML	1.0	924443	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.25	197.9	Lg	21:15:34.183	-0.8					T__				---		924442	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
KOGS	0.32	21.4	Pg	21:15:31.873	0.0					T__		60.6		---	ML	1.0	924447	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.32	21.4	Lg	21:15:36.217	-0.1					T__				---		924446	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
ZAG	0.33	191.4	Lg	21:15:36.988	0.4					T__				---		924448	FDSN	CR	--	BUD	iLoc	BHN	???	_	
CRES	0.54	233.7	Pg	21:15:36.004	0.2					T__		20.2		---	ML	1.1	924444	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.54	233.7	Lg	21:15:43.413	-0.3					T__				---		924445	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
ARSA	1.17	341.1	Sn	21:16:03.535	0.8					T__				---		924449	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/04/30	13:49:50.51	1.09	0.89	48.0442	16.6053	6.7	5.2	140	11.0f	9	6	131	0.36	1.08	ke	BUD	19002204	BUD					192

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
SOP	0.36	185.0	Pg	13:49:58.573	0.5					T__		54.9		---	ML	1.0	925282	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.36	185.0	Lg	13:50:03.066	-0.1					T__				---		925283	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
RONA	0.40	211.2	Pg	13:49:58.956	0.1					T__				---		925281	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.40	211.2	Lg	13:50:03.427	-1.1					T__				---		925284	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.51	257.2	Pg	13:50:01.149	0.2					T__		35.2		---	ML	1.3	925279	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.51	257.2	Lg	13:50:08.176	0.2					T__				---		925280	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
MODS	0.56	53.5	Lg	13:50:10.106	-0.5					T__				---		925285	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KRUC	1.03	352.3	Sn	13:50:25.463	0.7					T__				---		925286	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
ARSA	1.08	223.1	Sn	13:50:27.109	1.5					T__				---		925287	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/04/30	20:31:52.44	2.60	1.07	46.1575	16.2415	35.1	4.7	116	9.0f	5	3	216	0.29	0.64	ke	BUD	19002206	BUD					338

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOGS	0.29	1.2	Pg	20:31:58.807	0.3					T__		62.9		---	ML	0.9	925613	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.29	1.2	Lg	20:32:02.001	-0.6					T__				---		925612	FDSN	SL	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 0.9 magdef=1)																					
				(Station ML: 0.9 magdef=1)																					
PTJ	0.31	217.3	Lg	20:32:03.151	-1.0					T__				---		925609	FDSN	CR	--	BUD	iLoc	BHN	???	_	
CRES	0.64	239.1	Pg	20:32:05.621	0.7					T__		38.8		_c_	ML	1.4	925611	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.64	239.1	Lg	20:32:13.839	-0.5					T__				---		925610	FDSN	SL	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 1.4 magdef=1)																					
				(Station ML: 1.4 magdef=1)																					

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/01	13:40:01.37	1.02	0.02	47.6824	16.0245	7.4	4.8	149	7.0f		5	3	133	0.18	0.55	ke	BUD	19002216	BUD			251

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.18	84.5	Pg	13:40:05.496	0.0					T__				---		933165	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.18	84.5	Lg	13:40:08.353	-0.0					T__				---		933166	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.27	336.0	Lg	13:40:10.955	-0.0					T__				---		933167	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.55	218.4	Pg	13:40:12.124	0.0					T__		24.3		---	ML	1.2	933169	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
ARSA	0.55	218.4	Lg	13:40:19.099	-0.0					T__				---		933168	FDSN	OE	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.2 magdef=1)																					
				(Station ML: 1.2 magdef=0)																					

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/02	07:27:42.11	0.94	1.81	47.6015	18.5201	5.2	4.1	18	0.0f		11	8	103	0.10	1.39	sx	BUD	19002226	BUD			117

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.0	3 BUD	19002226

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU09A	0.10	291.8	Pg	07:27:45.808	1.1					T__		1738.3		---	ML	1.8	934585	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU09A	0.10	291.8	Lg	07:27:47.064	-0.0					T__				---		934594	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.8 magdef=1)																					
				(Station ML: 1.8 magdef=1)																					
SR0	0.25	326.7	Pg	07:27:47.915	0.3					T__		2645.2		---	ML	2.4	934586	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
SR0	0.25	326.7	Lg	07:27:51.511	-0.9					T__				---		934592	FDSN	SK	--	BUD	iLoc	EHN	???	_	
				(Reading ML: 2.4 magdef=1)																					
				(Station ML: 2.4 magdef=1)																					
CSKK	0.30	216.5	Lg	07:27:51.504	-2.5					T__				---		934595	FDSN	HU	--	BUD	iLoc	HHN	???	_	
BUD	0.36	108.9	Lg	07:27:57.151	0.9					T__				---		934593	FDSN	HU	--	BUD	iLoc	HHN	???	_	
ET1H	0.95	72.6	Lg	07:28:15.805	-0.5					T__				---		934587	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	0.98	70.6	Lg	07:28:15.367	-2.3					T__				---		934589	FDSN	GE	--	BUD	iLoc	HHN	???	_	
MODS	1.14	313.2	Sn	07:28:18.983	-3.2					T__				---		934588	FDSN	SK	--	BUD	iLoc	HHN	???	_	
MORH	1.39	176.5	Pg	07:28:10.539	0.9					T__		34.3		---	ML	1.8	934591	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	1.39	176.5	Sn	07:28:26.978	-0.6					T__				---		934590	FDSN	HU	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.8 magdef=1  
 (Station ML: 1.8 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/02	09:15:01.89	1.23	1.23	48.8423	21.6138	8.2	5.6	7	0.0f	15	10	97	0.60	1.51	sx	BUD	19002228	BUD				159

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.0	5 BUD	19002228

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.60	204.6	Pg	09:15:14.849	0.9					T__		141.6		---	ML	2.0	934689	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.60	204.6	Lg	09:15:22.465	-1.5					T__				---		934692	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1 (Station ML: 2.0 magdef=0																									
JOS	0.79	244.4	Pg	09:15:18.739	1.2					T__		120.8		---	ML	2.0	934687	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.79	244.4	Lg	09:15:28.493	-0.9					T__				---		934686	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1 (Station ML: 2.0 magdef=1																									
KECS	0.83	244.8	Pg	09:15:18.931	0.6					T__		264.8		---	ML	2.4	934693	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.83	244.8	Lg	09:15:29.123	-1.6					T__				---		934690	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.4 magdef=1 (Station ML: 2.4 magdef=0																									
TRPA	0.94	138.8	Pg	09:15:20.411	0.3					T__		106.7		---	ML	2.1	934694	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.94	138.8	Lg	09:15:34.110	-1.0					T__				---		934695	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1 (Station ML: 2.1 magdef=1																									
HU02A	1.02	225.6	Pn	09:15:21.589	-0.9					T__		93.5		---	ML	2.0	934688	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.02	225.6	Lg	09:15:36.438	-1.6					T__				---		934697	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1 (Station ML: 2.0 magdef=1																									
NIE	1.04	304.2	Lg	09:15:35.561	-1.3					T__				---		934696	FDSN	PL	--	BUD	iLoc	BHN	???	_	
KWP	1.07	41.8	Lg	09:15:37.298	-0.4					T__				---		934698	FDSN	PL	--	BUD	iLoc	HHN	???	_	
MEZ	1.30	103.9	Lg	09:15:44.794	-1.4					T__				---		934699	FDSN	UA	--	BUD	iLoc	BHN	???	_	
PSZ	1.47	231.8	Sn	09:15:51.379	1.1					T__				---		934700	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	1.51	231.0	Sn	09:15:51.509	0.8					T__				---		934691	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/02	09:55:04.03	0.93	0.89	48.9440	19.3050	7.5	4.3	2	0.0f	11	8	107	0.81	1.42	sx	BUD	19002230	BUD				171

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.1	4 BUD	19002230

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
NIE	0.81	53.6	Pg	09:55:19.369	0.1					T__		26.5		---	ML	1.4	934738	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.81	53.6	Lg	09:55:30.520	-0.3					T__				---		934737	FDSN	PL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.4 magdef=1 (Station ML: 1.4 magdef=1																									
KECS	0.91	120.1	Lg	09:55:35.123	-0.3					T__				---		934732	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	0.93	118.3	Lg	09:55:35.772	-0.5					T__				---		934739	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
JAVC	1.08	266.1	Pg	09:55:26.573	0.7					T__		54.0		---	ML	1.8	934741	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_

JAVC	1.08	266.1	Lg	09:55:40.491	-1.7	T__								934740	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																							
(Station ML: 1.8 magdef=1)																							
PSZ	1.10	158.8	Pn	09:55:26.794	0.8	T__					40.1		ML	1.7	934735	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.10	158.8	Sn	09:55:42.246	-1.1	T__								934734	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																							
(Station ML: 1.7 magdef=1)																							
ET1H	1.13	160.3	Pn	09:55:27.013	0.8	T__					33.6		ML	1.7	934736	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.7 magdef=1)																							
(Station ML: 1.7 magdef=1)																							
HU02A	1.15	134.9	Lg	09:55:43.780	0.0	T__								934733	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MORC	1.42	306.5	Lg	09:55:50.251	0.2	T__								934742	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/02	10:05:46.12	1.24	0.67	48.8506	20.3494	18.7	5.6	84	0.0f		9	6	163	0.38	1.02	sx	BUD	19002232	BUD			322

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.2	3 BUD	19002232

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.38	160.4	Pg	10:05:54.013	0.3					T__		43.6			ML	1.0	934769	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.38	160.4	Lg	10:05:59.219	-0.3					T__						934774	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
KECS	0.38	166.2	Pg	10:05:53.904	0.1					T__		84.6			ML	1.3	934770	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.38	166.2	Lg	10:05:59.575	-0.0					T__						934771	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
NIE	0.57	356.7	Lg	10:06:04.700	-0.4					T__						934773	FDSN	PL	--	BUD	iLoc	BHN	???	_	
HU02A	0.74	170.8	Pg	10:06:01.986	0.6					T__		30.1			ML	1.4	934772	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.74	170.8	Lg	10:06:11.684	-1.1					T__						934775	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
PSZ	0.98	198.2	Lg	10:06:21.129	-0.1					T__						934776	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	1.02	198.3	Sn	10:06:22.151	-0.8					T__						934777	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/02	10:07:36.87	1.19	0.80	48.8383	20.3186	13.8	5.5	86	0.0f		12	7	158	0.37	1.05	sx	BUD	19002234	BUD			309

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.1	5 BUD	19002234

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KECS	0.37	162.6	Pg	10:07:44.493	0.1					T__		184.1			ML	1.6	934808	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.37	162.6	Lg	10:07:50.164	0.0					T__						934812	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
JOS	0.37	156.8	Pg	10:07:44.657	0.3					T__		123.3			ML	1.4	934807	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.37	156.8	Lg	10:07:49.835	-0.3					T__						934811	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									



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(Station ML: 1.4 magdef=0
NIE 0.58 358.8 Lg 10:07:55.739 -0.5 T__
HU02A 0.73 169.1 Pg 10:07:52.109 0.1 T__ 55.1 --- ML 1.6 934809 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.73 169.1 Lg 10:08:02.109 -1.2 T__ --- 934814 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
PSZ 0.96 197.2 Pn 10:07:57.863 1.0 T__ 62.3 --- ML 1.8 934810 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.96 197.2 Lg 10:08:11.589 0.2 T__ --- 934815 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=0
ET1H 1.01 197.4 Pn 10:07:58.088 0.9 T__ 31.3 --- ML 1.6 934817 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 1.01 197.4 Lg 10:08:11.677 -0.7 T__ --- 934816 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
HU03A 1.05 207.4 Sn 10:08:15.488 1.2 T__ --- 934818 FDSN Z6 00 BUD iLoc HHN ??? _

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/02	10:33:17.31	0.95	0.61	48.4034	20.6633	4.6	3.4	48	0.0f	11	6	147	0.12	0.75	sx	BUD	19002236	BUD				239

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.1	6 BUD	19002236

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
JOS	0.12	318.3	Pg	10:33:20.002	-0.0					T__		387.0		_c_	ML	1.2	934852	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.12	318.3	Lg	10:33:22.126	-0.1					T__				---		934860	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
KECS	0.14	304.1	Pg	10:33:20.521	0.1					T__	487.9			---	ML	1.4	934853	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.14	304.1	Lg	10:33:23.028	0.1					T__				---		934861	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
HU02A	0.30	198.2	Pg	10:33:23.763	-0.1					T__	66.4			---	ML	0.9	934854	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.30	198.2	Lg	10:33:28.996	0.0					T__				---		934855	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=0)																									
ABAH	0.40	105.4	Pg	10:33:25.979	0.4					T__	74.6			---	ML	1.3	934857	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.40	105.4	Lg	10:33:31.424	-1.1					T__				---		934858	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
PSZ	0.71	227.0	Pg	10:33:32.204	-0.2					T__	56.2			---	ML	1.6	934862	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=0)																									
ET1H	0.75	225.6	Pg	10:33:34.141	1.1					T__	38.7			---	ML	1.5	934859	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.75	225.6	Lg	10:33:43.634	-0.5					T__				---		934856	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/03	06:47:00.18	1.55	0.76	48.0448	20.6919	9.7	5.0	135	0.0f	10	7	198	0.14	1.14	sx	BUD	19002242	BUD				266
2023/05/03	06:47:00.32	0.94	0.70	48.0471	20.6805f				0.0f	10	7	196	0.13	1.14	kx	BUD_GT	19002243	BUD_GT				264

(locality: Miskolc-Mexikóvölgy Hungary)  
(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID  
ML 1.4 0.0 3 BUD\_GT 19002243

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
HU02A	0.13	305.8	Pg	06:47:03.789	0.2					T__		600.5		___	ML 1.4	936185	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.13	305.8	Lg	06:47:05.816	-0.5					T__				---		936190	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.4 magdef=1 Station ML: 1.4 magdef=1)																								
ABAH	0.45	56.1	Lg	06:47:16.014	-1.4					T__				---		936191	FDSN	HU	--	BUD	iLoc	HHN	???	_
KECS	0.46	343.5	Pg	06:47:10.437	0.8					T__		106.2		___	ML 1.6	936187	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.46	343.5	Lg	06:47:16.191	-0.5					T__				---		936186	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Reading ML: 1.6 magdef=1 Station ML: 1.6 magdef=1)																								
JOS	0.46	348.2	Lg	06:47:16.097	-0.7					T__				---		936188	FDSN	Z6	--	BUD	iLoc	HHE	???	_
PSZ	0.54	256.6	Pg	06:47:12.650	0.5					T__		41.6		___	ML 1.4	936189	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.54	256.6	Lg	06:47:20.376	-0.4					T__				---		936192	FDSN	GE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.4 magdef=1 Station ML: 1.4 magdef=1)																								
ET1H	0.57	253.1	Lg	06:47:20.649	-0.5					T__				---		936193	FDSN	HU	--	BUD	iLoc	HHN	???	_
HU10A	1.14	260.4	Sn	06:47:39.380	-0.2					T__				---		936194	FDSN	Z6	00	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/03	08:01:55.01	1.33	0.72	48.5064	20.7663	11.0	3.7	13	0.0f		10	7	200	0.15	1.24	sx	BUD	19002244	BUD			217

Magnitude Err Nsta Author OrigID  
ML 1.3 0.2 3 BUD 19002244

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
JOS	0.15	266.1	Pg	08:01:58.534	0.3					T__		370.6		___	ML 1.3	936220	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.15	266.1	Lg	08:02:01.150	0.3					T__				---		936229	FDSN	Z6	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.3 magdef=1 Station ML: 1.3 magdef=1)																								
KECS	0.19	263.0	Pg	08:01:59.000	0.0					T__		2554.0		___	ML 2.2	936221	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.19	263.0	Lg	08:02:01.506	-0.6					T__				---		936224	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Reading ML: 2.2 magdef=1 Station ML: 2.2 magdef=1)																								
ABAH	0.38	123.5	Pg	08:02:03.136	0.3					T__		66.7		___	ML 1.2	936222	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.38	123.5	Lg	08:02:08.712	-0.8					T__				---		936225	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.2 magdef=1 Station ML: 1.2 magdef=1)																								
HU02A	0.42	202.8	Lg	08:02:11.323	0.5					T__				---		936223	FDSN	Z6	00	BUD	iLoc	HHN	???	_
PSZ	0.83	225.1	Lg	08:02:24.861	-0.2					T__				---		936228	FDSN	GE	--	BUD	iLoc	HHN	???	_
ET1H	0.87	224.0	Lg	08:02:25.231	-0.7					T__				---		936226	FDSN	HU	--	BUD	iLoc	HHN	???	_
TRPA	1.24	107.0	Sn	08:02:36.117	-1.3					T__				---		936227	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/03	08:27:53.87	1.24	0.79	46.1280	22.9296	16.4	4.4	86	0.0f		6	4	197	0.25	1.05	sx	BUD	19002248	BUD			302

Magnitude Err Nsta Author OrigID  
 ML 1.7 0.1 3 BUD 19002248

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DEV	0.25	184.3	Pg	08:27:58.356	-0.2					T__		274.6		---	ML	1.4	936278	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.25	184.3	Lg	08:28:01.835	-0.2					T__				---		936280	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
DRGR	0.68	347.3	Pg	08:28:07.890	0.3					T__		70.9		---	ML	1.7	936277	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	0.68	347.3	Lg	08:28:17.589	-1.1					T__				---		936282	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
GZR	0.74	188.3	Pg	08:28:08.794	0.7					T__		55.6		---	ML	1.7	936281	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
BZS	1.05	241.3	Lg	08:28:28.821	-0.2					T__				---		936279	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/03	10:03:13.39	1.44	1.03	48.8329	21.2859	9.4	5.3	69	0.0f		12	8	177	0.54	1.34	sx	BUD	19002254	BUD			252

Magnitude Err Nsta Author OrigID  
 ML 1.8 0.0 4 BUD 19002254

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.54	183.3	Pg	10:03:24.893	0.7					T__		95.8		---	ML	1.8	938608	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.54	183.3	Lg	10:03:31.687	-1.6					T__				---		938609	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
JOS	0.60	236.0	Pg	10:03:26.027	0.7					T__		82.1		---	ML	1.7	938606	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.60	236.0	Lg	10:03:34.223	-0.1					T__				---		938614	FDSN	Z6	--	BUD	iLoc	HHE	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
KECS	0.64	236.9	Lg	10:03:35.084	-0.5					T__				---		938610	FDSN	SK	--	BUD	iLoc	EHN	???	_	
HU02A	0.87	215.7	Pg	10:03:31.561	0.2					T__		60.8		---	ML	1.8	938605	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.87	215.7	Lg	10:03:43.287	-1.5					T__				---		938604	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
NIE	0.87	312.5	Pg	10:03:30.262	0.4					T__		40.1		---	ML	1.6	938611	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.87	312.5	Lg	10:03:41.127	-1.2					T__				---		938615	FDSN	PL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
TRPA	1.09	129.7	Lg	10:03:49.972	-1.2					T__				---		938607	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	1.30	225.9	Sn	10:03:57.550	-0.0					T__				---		938612	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	1.34	225.2	Sn	10:03:58.756	0.7					T__				---		938613	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/03	10:31:31.05	2.41	0.92	47.7901	20.2383	18.4	4.1	160	0.0f		11	7	232	0.26	0.84	sx	BUD	19002256	BUD			255

Magnitude Err Nsta Author OrigID

ML 1.8 0.2 4 BUD 19002256

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ET1H	0.26	289.9	Pg	10:31:37.547	0.5					T__		492.0		---	ML	1.7	938681	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.26	289.9	Lg	10:31:40.561	-1.0					T__				---		938689	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
PSZ	0.26	299.1	Pg	10:31:37.356	0.1					T__		788.0		_c_	ML	1.9	938680	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.26	299.1	Lg	10:31:40.698	-1.3					T__				---		938690	FDSN	GE	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
HU02A	0.38	30.0	Pg	10:31:38.438	-1.0					T__		161.5		---	ML	1.6	938682	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.38	30.0	Lg	10:31:46.273	0.3					T__				---		938686	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
HU03A	0.44	285.0	Lg	10:31:47.616	0.0					T__				---		938685	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
KECS	0.71	13.3	Pg	10:31:46.832	1.4					T__		112.2		---	ML	1.9	938687	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.71	13.3	Lg	10:31:56.476	0.2					T__				---		938683	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
JOS	0.73	15.8	Lg	10:31:57.273	0.3					T__				---		938684	FDSN	Z6	--	BUD	iLoc	HNN	???	_	
ABAH	0.84	52.6	Lg	10:32:02.261	0.7					T__				---		938688	FDSN	HU	--	BUD	iLoc	HNN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/05/03 13:35:01.13 1.20 0.54 47.5892 16.3636 7.6 4.9 2 0.0f 9 6 185 0.12 1.47 sx BUD 19002262 BUD 260

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
RONA	0.12	337.6	Pg	13:35:03.616	-0.3					T__				_c_		938794	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.12	337.6	Lg	13:35:05.561	-0.4					T__				---		938796	FDSN	OE	--	BUD	iLoc	HNN	???	_	
SOP	0.16	54.4	Pg	13:35:04.712	-0.0					T__		80.4		---	ML	0.7	938795	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.16	54.4	Lg	13:35:07.534	0.1					T__				---		938797	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 0.7 magdef=1)																									
(Station ML: 0.7 magdef=1)																									
CONA	0.48	315.2	Pg	13:35:11.232	0.5					T__		48.3		---	ML	1.3	938793	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.48	315.2	Lg	13:35:17.835	0.6					T__				---		938798	FDSN	OE	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
ARSA	0.66	239.6	Lg	13:35:22.036	-0.3					T__				---		938799	FDSN	OE	--	BUD	iLoc	HNN	???	_	
MODS	1.00	37.7	Sn	13:35:36.535	-0.5					T__				---		938800	FDSN	SK	--	BUD	iLoc	HNN	???	_	
KRUC	1.47	0.8	Sn	13:35:49.032	0.7					T__				---		938801	FDSN	CZ	--	BUD	iLoc	HNN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/05/04 07:11:01.13 3.87 1.30 47.7770 19.4291 24.1 21.0 8 0.0f 7 6 331 0.17 1.03 sx BUD 19002270 BUD 336

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
HU03A	0.17	42.1	Lg	07:11:08.649	0.4					T__				---		942465	FDSN	Z6	00	BUD	iLoc	HNN	???	_

```

ET1H 0.32 70.9 Pg 07:11:08.066 -0.1 T__ 160.9 --- ML 1.4 942462 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.32 70.9 Lg 07:11:14.313 0.9 T__ --- 942466 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
PSZ 0.34 65.5 Lg 07:11:14.719 -0.1 T__ --- 942467 FDSN GE -- BUD iLoc HHN ??? _
HU02A 0.81 64.5 Lg 07:11:29.828 -1.0 T__ --- 942463 FDSN Z6 00 BUD iLoc HHN ??? _
KECS 1.00 44.7 Sn 07:11:35.094 -2.2 T__ --- 942464 FDSN SK -- BUD iLoc EHN ??? _
JOS 1.03 45.5 Pn 07:11:22.054 0.3 T__ 43.3 --- ML 1.7 942461 FDSN Z6 -- BUD iLoc HHZ HHZ _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/05/04 08:22:20.72 1.37 1.01 48.3783 19.0371 11.4 5.4 23 0.0f 8 7 144 0.74 1.17 sx BUD 19002272 BUD 172

```

Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
PSZ 0.74 128.4 Lg 08:22:47.498 -0.1 T__ --- 942488 FDSN GE -- BUD iLoc HHN ??? _
ET1H 0.75 131.5 Lg 08:22:47.357 -0.3 T__ --- 942489 FDSN HU -- BUD iLoc HHN ??? _
KECS 0.97 83.2 Lg 08:22:53.875 -0.6 T__ --- 942490 FDSN SK -- BUD iLoc EHN ??? _
JOS 1.01 82.7 Pg 08:22:41.731 1.1 T__ 37.2 --- ML 1.6 942492 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 1.01 82.7 Lg 08:22:55.539 -0.3 T__ --- 942491 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=0
JAVC 1.03 298.5 Lg 08:22:56.594 -0.7 T__ --- 942493 FDSN CZ -- BUD iLoc HHN ??? _
HU02A 1.03 103.9 Lg 08:22:55.616 -1.7 T__ --- 942487 FDSN Z6 00 BUD iLoc HHN ??? _
MODS 1.17 270.4 Sn 08:23:02.064 0.2 T__ --- 942494 FDSN SK -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/05/04 08:48:19.70 1.17 0.64 46.0252 22.8600 6.9 6.5 68 0.0f 10 6 107 0.15 0.96 sx BUD 19002274 BUD 167

```

Magnitude Err Nsta Author OrigID  
ML 1.7 0.2 4 BUD 19002274

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
DEV 0.15 168.0 Pg 08:48:22.301 -0.2 T__ 741.2 --- ML 1.6 942517 FDSN RO -- BUD iLoc HHZ HHZ _
DEV 0.15 168.0 Lg 08:48:24.657 0.1 T__ --- 942521 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
GZR 0.63 185.3 Pg 08:48:31.616 -0.3 T__ 84.1 --- ML 1.8 942518 FDSN RO -- BUD iLoc HHZ HHZ _
GZR 0.63 185.3 Lg 08:48:40.767 -0.2 T__ --- 942519 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
DRGR 0.77 352.4 Lg 08:48:46.667 -0.6 T__ --- 942522 FDSN RO -- BUD iLoc HHN ??? _
CJR 0.86 36.3 Lg 08:48:49.247 -0.7 T__ --- 942524 FDSN RO -- BUD iLoc HHN ??? _
LOT 0.86 131.9 Pg 08:48:37.260 1.1 T__ 170.3 --- ML 2.2 942520 FDSN RO -- BUD iLoc HHZ HHZ _
LOT 0.86 131.9 Lg 08:48:48.273 -0.5 T__ --- 942523 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
BZS 0.96 245.3 Pg 08:48:39.068 0.6 T__ 35.4 --- ML 1.6 942526 FDSN RO -- BUD iLoc HHZ HHZ _

```

BZS 0.96 245.3 Lg 08:48:51.780 -0.2 T\_\_ --- 942525 FDSN RO -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.6 magdef=1  
 (Station ML: 1.6 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/04	09:35:34.30	1.07	0.56	48.5366	20.7627	6.6	3.8	9	0.0f		12	7	145	0.15	0.93	sx	BUD	19002276	BUD			232

Magnitude Err Nsta Author OrigID  
 ML 1.3 0.1 5 BUD 19002276

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
JOS	0.15	254.7	Pg	09:35:37.467	-0.1					T__		397.4		---	ML	1.3	942558	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.15	254.7	Lg	09:35:40.741	0.5					T__				---		942563	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1 (Station ML: 1.3 magdef=1																									
KECS	0.19	253.9	Pg	09:35:37.947	-0.4					T__		988.0		---	ML	1.8	942559	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.19	253.9	Lg	09:35:42.001	0.5					T__				---		942564	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.8 magdef=1 (Station ML: 1.8 magdef=0																									
ABAH	0.40	127.0	Pg	09:35:42.498	-0.0					T__		60.1		---	ML	1.2	942561	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.40	127.0	Lg	09:35:49.293	-0.2					T__				---		942565	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1 (Station ML: 1.2 magdef=0																									
HU02A	0.44	201.0	Lg	09:35:51.115	0.1					T__				---		942560	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.85	223.5	Pg	09:35:53.261	1.0					T__		43.3		---	ML	1.6	942562	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.85	223.5	Lg	09:36:04.110	-0.9					T__				---		942566	FDSN	GE	--	BUD	iLoc	HHE	???	_	
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=1																									
ET1H	0.89	222.5	Lg	09:36:05.449	-0.5					T__				---		942567	FDSN	HU	--	BUD	iLoc	HHN	???	_	
NIE	0.93	341.1	Pn	09:35:54.107	0.3					T__		18.4		---	ML	1.3	942569	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.93	341.1	Lg	09:36:05.286	0.1					T__				---		942568	FDSN	PL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.3 magdef=1 (Station ML: 1.3 magdef=1																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/04	11:47:58.07	0.90	1.38	47.3421	18.4088	3.9	3.8	135	0.0f		17	14	76	0.10	1.60	sx	BUD	19002278	BUD			100

Magnitude Err Nsta Author OrigID  
 ML 1.9 0.2 3 BUD 19002278

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
CSKK	0.10	281.8	Pg	11:48:01.910	1.1					T__		3010.9		---	ML	2.1	942607	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.10	281.8	Lg	11:48:02.321	-1.1					T__				---		942606	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1 (Station ML: 2.1 magdef=1																									
HU09A	0.30	356.6	Lg	11:48:09.606	-0.4					T__				---		942608	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU08A	0.34	285.3	Pg	11:48:06.057	0.7					T__		210.1		---	ML	1.6	942609	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU08A	0.34	285.3	Lg	11:48:09.016	-2.4					T__				---		942610	FDSN	Z6	00	BUD	iLoc	HHE	???	_	
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=1																									

A267A	0.40	172.8	Lg	11:48:11.246	-2.0	T__	---	942611	FDSN	Z6	00	BUD	iLoc	HHN	???	_			
BUD	0.44	71.0	Lg	11:48:14.734	-0.4	T__	---	942612	FDSN	HU	--	BUD	iLoc	HHN	???	_			
MPLH	0.62	254.1	Pg	11:48:11.632	0.9	T__	117.3	---	ML	1.9	942614	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.62	254.1	Lg	11:48:19.632	-0.5	T__	---	942613	FDSN	HU	--	BUD	iLoc	HHN	???	_			
(Reading ML: 1.9 magdef=1)																			
(Station ML: 1.9 magdef=1)																			
HU10A	0.65	39.1	Lg	11:48:20.504	-1.8	T__	---	942615	FDSN	Z6	00	BUD	iLoc	HHN	???	_			
A272A	0.71	147.3	Lg	11:48:23.497	-0.6	T__	---	942616	FDSN	Z6	00	BUD	iLoc	HHN	???	_			
HU03A	0.98	54.7	Lg	11:48:32.668	-0.6	T__	---	942617	FDSN	Z6	00	BUD	iLoc	HHN	???	_			
ET1H	1.13	61.0	Sn	11:48:37.484	0.1	T__	---	942618	FDSN	HU	--	BUD	iLoc	HHN	???	_			
MORH	1.14	171.8	Lg	11:48:37.027	-0.2	T__	---	942619	FDSN	HU	--	BUD	iLoc	HHN	???	_			
PSZ	1.16	59.6	Sn	11:48:38.883	0.3	T__	---	942620	FDSN	GE	--	BUD	iLoc	HHN	???	_			
KOVH	1.27	189.7	Sn	11:48:42.446	1.8	T__	---	942621	FDSN	HU	--	BUD	iLoc	HHN	???	_			
JAVC	1.60	342.2	Sn	11:48:52.309	2.2	T__	---	942622	FDSN	CZ	--	BUD	iLoc	HHN	???	_			

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/05	03:45:39.14	1.21	0.32	48.0256	19.9656	15.4	3.3	131	10.0f	8	5	192	0.12	0.61	ke	BUD	19002284	BUD				194

Magnitude	Err	Nsta	Author	OrigID
ML	0.4	0.4	3 BUD	19002284

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.12	204.0	Pg	03:45:42.876	0.2					T__		61.1		---	ML	0.4	942893	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.12	204.0	Lg	03:45:45.054	-0.4					T__				---		942894	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.4 magdef=1)																									
(Station ML: 0.4 magdef=1)																									
ET1H	0.16	203.4	Pg	03:45:43.315	0.1					T__		26.1		_c_	ML	0.2	942896	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.16	203.4	Lg	03:45:46.123	-0.1					T__				---		942895	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.2 magdef=1)																									
(Station ML: 0.2 magdef=1)																									
HU02A	0.39	75.3	Pg	03:45:47.753	0.3					T__		32.5		---	ML	0.9	942898	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.39	75.3	Lg	03:45:53.452	-0.3					T__				---		942897	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
KECS	0.57	37.0	Lg	03:45:58.931	-0.2					T__				---		942899	FDSN	SK	--	BUD	iLoc	EHE	???	_	
JOS	0.61	39.0	Lg	03:45:59.931	-0.2					T__				---		942900	FDSN	Z6	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/05/05	07:34:01.03	1.37	1.18	48.4904	17.5717	10.7	3.3	119	0.0f	12	8	217	0.23	1.59	sx	BUD	19002292	BUD						229

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.23	239.3	Pg	07:34:05.424	-0.7					T__				---		944531	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.23	239.3	Lg	07:34:08.630	-1.8					T__				---		944535	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.37	10.0	Pg	07:34:08.438	-0.6					T__		164.5		---	ML	1.6	944532	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.37	10.0	Lg	07:34:14.876	-0.5					T__				---		944536	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
KRUC	0.97	306.8	Lg	07:34:33.534	-0.2					T__				---		944533	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

VRAC	1.04	322.1	Pg	07:34:21.291	0.5	T__	11.9	___	ML	1.2	944537	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
VRAC	1.04	322.1	Lg	07:34:36.086	0.0	T__		---			944538	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.2 magdef=1)																			
(Station ML: 1.2 magdef=1)																			
RONA	1.16	227.7	Pg	07:34:24.876	0.8	T__		---			944534	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	1.16	227.7	Lg	07:34:40.958	1.8	T__		---			944539	FDSN	OE	--	BUD	iLoc	HHN	???	_
CONA	1.27	244.4	Lg	07:34:43.467	0.9	T__		---			944540	FDSN	OE	--	BUD	iLoc	HHN	???	_
MORC	1.29	359.2	Lg	07:34:44.744	1.8	T__		---			944541	FDSN	CZ	--	BUD	iLoc	HHN	???	_
TREC	1.59	301.1	Sn	07:34:51.904	-0.2	T__		---			944542	FDSN	CZ	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/05	07:43:09.34	1.41	0.90	48.9227	21.0444	9.5	5.6	72	0.0f		9	5	212	0.54	0.87	sx	BUD	19002294	BUD			307

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.2	5 BUD	19002294

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.54	218.2	Pg	07:43:20.371	0.2					T__		28.2		___	ML	1.3	944572	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.54	218.2	Lg	07:43:29.029	0.7					T__				---		944571	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
KECS	0.57	220.3	Pg	07:43:20.913	0.1					T__		89.0		___	ML	1.8	944573	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.57	220.3	Lg	07:43:29.900	0.4					T__				---		944574	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=0)																									
ABAH	0.64	168.2	Pg	07:43:22.648	0.5					T__		52.9		___	ML	1.6	944568	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.64	168.2	Lg	07:43:31.689	-1.1					T__				---		944570	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
NIE	0.70	315.7	Pg	07:43:22.548	0.0					T__		22.9		___	ML	1.2	944569	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=0)																									
HU02A	0.87	203.5	Pg	07:43:26.510	-0.8					T__		24.9		___	ML	1.4	944567	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.87	203.5	Lg	07:43:39.168	-1.5					T__				---		944575	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/05	07:50:29.02	1.13	0.91	47.8782	19.7589	10.8	2.8	1	0.0f		9	6	194	0.08	0.81	sx	BUD	19002296	BUD			309

Magnitude	Err	Nsta	Author	OrigID
ML	0.9	0.0	3 BUD	19002296

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ET1H	0.08	89.3	Pg	07:50:31.303	0.1					T__		288.4		_c	ML	1.0	944605	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.08	89.3	Lg	07:50:33.111	0.1					T__				---		944611	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
PSZ	0.10	66.2	Pg	07:50:32.474	0.6					T__		192.7		___	ML	0.9	944604	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.10	66.2	Lg	07:50:34.076	-0.2					T__				---		944607	FDSN	GE	--	BUD	iLoc	HHN	???	_	



```

(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=1
HU03A 0.11 283.5 Pg 07:50:31.700 -0.1 T__ 193.8 ___ ML 0.9 944606 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU03A 0.11 283.5 Lg 07:50:34.535 0.5 T__ ___ 944608 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=1
HU02A 0.57 64.3 Lg 07:50:48.672 -1.6 T__ ___ 944609 FDSN Z6 00 BUD iLoc HHN ??? _
KECS 0.78 38.5 Lg 07:50:56.875 0.5 T__ ___ 944610 FDSN SK -- BUD iLoc EHN ??? _
JOS 0.81 39.9 Lg 07:50:56.222 -1.2 T__ ___ 944612 FDSN Z6 -- BUD iLoc HHN ??? _

```

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/05	08:05:14.90	2.37	0.41	46.1102	18.0912	18.5	4.8	108	0.0f	6	3	175	0.02	1.13	sx	BUD	19002298	BUD				269

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Magnitude Err Nsta Author OrigID
ML 1.3 0.5 3 BUD 19002298

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
KOVH 0.02 164.5 Pg 08:05:16.027 0.1 T__ 956.7 ___ ML 1.3 944655 FDSN HU -- BUD iLoc HHN HHZ _
KOVH 0.02 164.5 Lg 08:05:17.054 -0.2 T__ ___ 944656 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
MORH 0.40 74.5 Pg 08:05:23.424 0.1 T__ 25.6 ___ ML 0.8 944653 FDSN HU -- BUD iLoc HHZ HHZ _
MORH 0.40 74.5 Lg 08:05:29.726 -0.1 T__ ___ 944654 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 0.8 magdef=1
(Station ML: 0.8 magdef=1
MPLH 1.13 340.5 Pn 08:05:36.589 -0.2 T__ 36.5 ___ ML 1.7 944658 FDSN HU -- BUD iLoc HHZ HHZ _
MPLH 1.13 340.5 Sn 08:05:52.917 -0.6 T__ ___ 944657 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1

```

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/05	08:17:54.97	1.31	0.93	48.9251	19.7923	10.9	4.4	89	0.0f	13	8	125	0.60	1.40	sx	BUD	19002300	BUD				216

```

Magnitude Err Nsta Author OrigID
ML 1.5 0.1 5 BUD 19002300

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
NIE 0.60 33.8 Pg 08:18:06.604 0.3 T__ 20.6 ___ ML 1.1 944692 FDSN PL -- BUD iLoc BHZ BHZ _
NIE 0.60 33.8 Lg 08:18:13.754 -1.0 T__ ___ 944693 FDSN PL -- BUD iLoc BHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=0
KECS 0.64 133.7 Lg 08:18:17.068 -0.2 T__ ___ 944694 FDSN SK -- BUD iLoc EHN ??? _
JOS 0.66 130.7 Pg 08:18:08.636 0.7 T__ 29.8 ___ ML 1.3 944689 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.66 130.7 Lg 08:18:17.759 -0.0 T__ ___ 944695 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
HU02A 0.94 148.5 Pg 08:18:14.406 0.2 T__ 30.1 ___ ML 1.5 944690 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.94 148.5 Lg 08:18:27.200 -0.7 T__ ___ 944696 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1

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PSZ	1.01	176.1	Pn	08:18:16.211	0.5	T__					33.6	---	ML	1.6	944691	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.01	176.1	Lg	08:18:29.882	-1.2	T__						---			944697	FDSN	GE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1)																							
(Station ML: 1.6 magdef=1)																							
ET1H	1.05	177.1	Lg	08:18:31.413	-0.5	T__						---			944698	FDSN	HU	--	BUD	iLoc	HHN	???	_
ABAH	1.15	122.7	Lg	08:18:33.048	-1.1	T__						---			944699	FDSN	HU	--	BUD	iLoc	HHN	???	_
JAVC	1.40	268.1	Pn	08:18:23.168	1.7	T__					47.2	---	ML	2.0	944701	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	1.40	268.1	Sn	08:18:42.017	-0.7	T__						---			944700	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.0 magdef=1)																							
(Station ML: 2.0 magdef=0)																							

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/05	08:36:09.38	1.80	0.58	48.5263	20.8040	11.8	5.5	26	0.0f		8	5	227	0.18	0.86	sx	BUD	19002302	BUD			304

Magnitude	Err	Nsta	Author	OrigID
ML	1.0	0.3	3 BUD	19002302

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
JOS	0.18	260.3	Pg	08:36:13.280	0.1					T__		109.0		---	ML	0.8	944729	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.18	260.3	Lg	08:36:16.307	0.2					T__				---		944732	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=1)																									
KECS	0.22	258.6	Pg	08:36:13.889	-0.0					T__		367.0		---	ML	1.5	944730	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.22	258.6	Lg	08:36:17.519	0.1					T__				---		944733	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
ABAH	0.37	128.3	Lg	08:36:23.182	-0.4					T__				---		944734	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU02A	0.45	204.8	Pg	08:36:19.384	0.5					T__		31.9		---	ML	1.0	944731	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.45	204.8	Lg	08:36:25.809	-0.3					T__				---		944735	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
PSZ	0.86	225.3	Lg	08:36:39.433	-1.1					T__				---		944736	FDSN	GE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/05/05	09:15:05.20	1.32	1.37	47.2163	18.2849	10.2	5.9	102	0.0f		6	5	157	0.15	1.14	sx	BUD	19002306	BUD			177	
2023/05/05	09:15:05.43	1.03	1.24	47.2302	18.2835f				0.0f		6	5	156	0.13	1.15	kx	BUD_GT	19002307	BUD_GT			177	
(locality: Iszkaszentgyörgy Hungary)																							
(GT info : GT2 explosion)																							

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
CSKK	0.13	353.3	Pg	09:15:09.678	0.9					T__		280.2		---	ML	1.1	944816	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.13	353.3	Lg	09:15:11.184	-0.7					T__				---		944817	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=0)																									
HU09A	0.41	9.3	Lg	09:15:20.260	-1.2					T__				---		944818	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.51	263.5	Lg	09:15:23.042	-1.0					T__				---		944819	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MORH	1.05	166.2	Lg	09:15:39.931	-1.6					T__				---		944820	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOVH	1.15	186.4	Sn	09:15:43.704	-1.2					T__				---		944821	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/05	10:16:33.27	1.02	1.12	47.9269	16.4723	5.3	4.6	97	0.0f		10	8	85	0.25	1.52	sx	BUD	19002308	BUD			138

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
SOP	0.25	166.6	Lg	10:16:43.338	1.0					T__						944847	FDSN	HU	--	BUD	iLoc	HHN	???	_	
RONA	0.26	207.6	Pg	10:16:37.698	-1.0					T__						944842	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.26	207.6	Lg	10:16:41.616	-0.8					T__						944846	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.41	270.4	Pg	10:16:41.534	-0.0					T__		34.1			ML	1.0	944841	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.41	270.4	Lg	10:16:48.082	0.9					T__						944848	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=0)																									
MODS	0.70	50.0	Lg	10:16:58.739	-0.0					T__						944843	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ARSA	0.93	223.9	Lg	10:17:04.475	1.4					T__						944845	FDSN	OE	--	BUD	iLoc	HHN	???	_	
MPLH	1.05	135.9	Lg	10:17:10.885	1.5					T__						944849	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KRUC	1.14	357.4	Lg	10:17:11.561	-0.3					T__						944844	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
TREC	1.52	334.8	Sn	10:17:22.340	0.9					T__						944850	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/06	12:07:20.56	2.91	1.32	46.8475	22.5002	18.6	13.9	106	0.0f		7	5	192	0.16	1.65	sx	BUD	19002314	BUD			264

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DRGR	0.16	111.0	Pg	12:07:23.890	-0.1					T__		361.1			ML	1.3	948871	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	0.16	111.0	Lg	12:07:27.123	0.1					T__						948875	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
BMR	1.07	39.0	Lg	12:07:57.855	0.3					T__						948874	FDSN	RO	--	BUD	iLoc	HHN	???	_	
BZS	1.38	206.8	Sn	12:08:04.386	-1.3					T__						948876	FDSN	RO	--	BUD	iLoc	HHN	???	_	
GZR	1.47	172.4	Pn	12:07:48.438	0.7					T__		28.1			ML	1.8	948873	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	1.47	172.4	Lg	12:08:09.369	0.2					T__						948872	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
LOT	1.65	147.3	Sn	12:08:15.639	2.2					T__						948877	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/06	18:56:19.27	2.27	0.81	45.7461	16.9840	18.9	6.9	15	10.0f		10	6	207	0.47	1.25	ke	BUD	19002316	BUD			256

Magnitude Err Nsta Author OrigID  
ML 1.7 0.2 5 BUD 19002316

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
A264A	0.47	27.2	Pg	18:56:28.095	-0.7					T__		117.3			ML	1.7	950534	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
BEHE	0.74	348.8	Pg	18:56:34.123	0.4					T__		113.5			ML	2.0	950532	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_

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BEHE 0.74 348.8 Lg 18:56:44.178 0.5 T__ --- 950533 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=0
KOVH 0.85 65.9 Lg 18:56:47.645 0.6 T__ --- 950535 FDSN HU -- BUD iLoc HHN ??? _
KOGS 0.87 324.2 Pg 18:56:35.808 -0.1 T__ 63.0 --- ML 1.8 950531 FDSN SL -- BUD iLoc BHZ BHZ _
KOGS 0.87 324.2 Lg 18:56:47.479 -0.0 T__ --- 950536 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
CRES 1.07 274.8 Pn 18:56:39.342 -0.5 T__ 20.8 --- ML 1.4 950530 FDSN SL -- BUD iLoc BHZ BHZ _
CRES 1.07 274.8 Sn 18:56:53.315 -1.5 T__ --- 950537 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=0
MORH 1.25 67.4 Pg 18:56:43.361 0.2 T__ 20.4 --- ML 1.5 950539 FDSN HU -- BUD iLoc HHZ HHZ _
MORH 1.25 67.4 Lg 18:57:00.457 0.9 T__ --- 950538 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1

```

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/05/06 19:27:59.43 2.64 0.23 45.7136 16.8999 19.0 14.9 170 12.0f 6 5 211 0.76 1.02 ke BUD 19002318 BUD 263

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Magnitude Err Nsta Author OrigID
ML 1.6 0.4 3 BUD 19002318

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
BEHE 0.76 353.5 Lg 19:28:24.684 0.2 T__ --- 950565 FDSN HU -- BUD iLoc HHN ??? _
KOGS 0.86 328.6 Pg 19:28:15.692 -0.1 T__ 40.0 --- ML 1.6 950567 FDSN SL -- BUD iLoc BHZ BHZ _
KOGS 0.86 328.6 Lg 19:28:27.363 0.1 T__ --- 950566 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
KOVH 0.92 65.5 Pn 19:28:17.138 0.2 T__ 19.6 --- ML 1.3 950568 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
A265A 0.95 40.9 Pn 19:28:17.402 0.0 T__ 119.4 --- ML 2.1 950569 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
CRES 1.02 276.9 Lg 19:28:33.173 0.3 T__ --- 950570 FDSN SL -- BUD iLoc BHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/05/07 12:22:46.06 1.04 0.30 47.7482 18.3346 8.4 5.3 94 10.0f 6 5 175 0.07 0.79 ke BUD 19002328 BUD 279

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
SR0 0.07 347.6 Pg 12:22:48.493 0.0 T__ 1756.7 _c_ ML 1.7 951819 FDSN SK -- BUD iLoc EHZ EHZ _
SR0 0.07 347.6 Lg 12:22:50.397 -0.2 T__ --- 951821 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=0
HU09A 0.11 163.6 Lg 12:22:52.072 0.2 T__ --- 951822 FDSN Z6 00 BUD iLoc HHN ??? _
CSKK 0.39 187.4 Lg 12:23:00.407 -0.4 T__ --- 951823 FDSN HU -- BUD iLoc HHN ??? _
EGYH 0.76 244.4 Lg 12:23:12.239 0.2 T__ --- 951824 FDSN HU -- BUD iLoc HHN ??? _

```

MPLH 0.79 223.3 Lg 12:23:13.123 -0.1 T\_\_ --- 951820 FDSN HU -- BUD iLoc HHN ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/08	09:55:46.36	1.97	0.78	47.7518	19.9412	11.8	4.7	158	0.0f	11	8	221		0.14	1.03	sx	BUD	19002334	BUD			246

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.0	3 BUD	19002334

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ET1H	0.14	339.7	Pg	09:55:50.286	0.5					T__		1360.4		_c	ML	1.8	952419	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.14	339.7	Lg	09:55:51.883	-0.6					T__				---		952425	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
PSZ	0.17	349.3	Pg	09:55:51.089	0.5					T__		670.4		---	ML	1.6	952420	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.17	349.3	Lg	09:55:53.271	-0.8					T__				---		952426	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
HU03A	0.28	303.6	Pg	09:55:52.915	0.4					T__		350.6		---	ML	1.6	952421	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.28	303.6	Lg	09:55:56.722	-0.4					T__				---		952427	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
HU02A	0.54	46.4	Lg	09:56:05.437	-1.2					T__				---		952422	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU10A	0.63	278.9	Lg	09:56:08.912	-0.8					T__				---		952423	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KECS	0.82	26.3	Lg	09:56:15.688	0.6					T__				---		952428	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	0.85	28.1	Lg	09:56:15.573	-0.5					T__				---		952429	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
ABAH	1.03	57.5	Lg	09:56:22.251	-0.7					T__				---		952424	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/08	11:04:52.32	1.02	0.91	47.9628	16.6684	8.7	3.6	133	0.0f	9	5	179		0.36	1.11	sx	BUD	19002336	BUD			233

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.36	223.7	Pg	11:05:00.146	0.4					T__				---		952455	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.36	223.7	Lg	11:05:03.414	-1.4					T__				---		952458	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.54	266.6	Pg	11:05:03.140	-0.1					T__		23.2		---	ML	1.2	952453	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.54	266.6	Lg	11:05:10.772	0.3					T__				---		952454	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
MODS	0.58	44.5	Pg	11:05:04.710	0.3					T__				---		952456	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.58	44.5	Lg	11:05:13.128	-0.6					T__				---		952459	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ARSA	1.05	227.8	Lg	11:05:26.548	0.7					T__				---		952460	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.11	350.7	Pg	11:05:14.497	0.8					T__		22.0		---	ML	1.5	952457	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.11	350.7	Lg	11:05:29.123	-1.1					T__				---		952461	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/08	12:58:49.74	0.95	0.52	47.7019	16.0034	5.0	4.5	26	3.4	18.1	12	7	99	0.20	1.59	ke	BUD	19002338	BUD			198

Magnitude Err Nsta Author OrigID  
 ML 1.6 0.1 3 BUD 19002338

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.20	90.5	Pg	12:58:53.956	-0.0					T__						952527	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.20	90.5	Lg	12:58:57.041	0.1					T__						952528	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.25	337.2	Pg	12:58:55.069	0.2					T__		62.5		---	ML	0.8	952526	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.25	337.2	Lg	12:58:58.027	-0.4					T__						952533	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=1)																									
ARSA	0.56	216.0	Pg	12:59:00.584	0.0					T__		57.1		---	ML	1.6	952529	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
ARSA	0.56	216.0	Lg	12:59:07.559	-0.0					T__						952534	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
MODS	1.09	51.4	Pn	12:59:11.466	0.2					T__						952530	FDSN	SK	--	BUD	iLoc	HHN	???	_	
MODS	1.09	51.4	Sn	12:59:26.110	-1.1					T__						952531	FDSN	SK	--	BUD	iLoc	HHN	???	_	
MPLH	1.17	116.5	Sn	12:59:29.277	0.7					T__						952535	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KRUC	1.39	10.7	Pn	12:59:15.138	-0.3					T__		22.6		---	ML	1.6	952536	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.39	10.7	Sn	12:59:34.054	-0.0					T__						952537	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
CKRC	1.59	315.3	Sn	12:59:39.987	0.5					T__						952532	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/05/09	07:59:15.72	1.24	1.37	48.0039	20.3467	10.8	4.5	145	0.0f		9	6	185	0.17	0.67	sx	BUD	19002348	BUD			203	
2023/05/09	07:59:15.01	0.96	1.38	47.9590	20.3545f				0.0f		9	6	196	0.20	0.68	kx	BUD_GT	19002349	BUD_GT			221	
(locality: Eger-III Hungary)																							
(GT info : GT2 explosion)																							

Magnitude Err Nsta Author OrigID  
 ML 1.5 0.3 3 BUD\_GT 19002349

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU02A	0.20	35.0	Pg	07:59:20.217	0.6					T__		455.1		---	ML	1.5	954681	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.20	35.0	Lg	07:59:22.641	-0.9					T__						954682	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
PSZ	0.31	262.7	Lg	07:59:27.318	-0.2					T__						954688	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	0.33	256.4	Lg	07:59:28.219	0.3					T__						954689	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KECS	0.53	9.4	Pg	07:59:27.005	1.2					T__		89.6		---	ML	1.7	954684	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.53	9.4	Lg	07:59:31.168	-2.8					T__						954683	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
JOS	0.55	12.9	Pg	07:59:27.078	1.0					T__		31.4		---	ML	1.3	954686	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.55	12.9	Lg	07:59:32.994	-1.6					T__						954685	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
ABAH	0.68	60.0	Lg	07:59:39.202	-1.0					T__						954687	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/09	08:16:19.77	1.37	1.32	47.4021	18.3066	11.7	5.0	118	0.0f		9	8	103	0.05	1.32	sx	BUD	19002350	BUD			147

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.05	218.8	Pg	08:16:21.646	0.2					T__		1459.7		_c_	ML	1.6	954712	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.05	218.8	Lg	08:16:23.125	-0.1					T__						954713	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=0)																									
HU09A	0.24	12.2	Lg	08:16:29.820	0.0					T__						954717	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU08A	0.26	276.6	Lg	08:16:30.120	-0.3					T__						954718	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.57	246.3	Lg	08:16:40.436	0.1					T__						954719	FDSN	HU	--	BUD	iLoc	HHN	???	_	
ET1H	1.16	65.1	Sn	08:16:58.867	-1.1					T__						954720	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	1.19	63.7	Sn	08:16:59.908	-1.2					T__						954714	FDSN	GE	--	BUD	iLoc	HHN	???	_	
MORH	1.21	168.9	Sn	08:16:59.032	-1.7					T__						954715	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOVH	1.32	186.2	Sn	08:17:01.369	-2.2					T__						954716	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/09	09:06:08.29	1.08	0.65	48.5094	20.7962	5.5	4.6	81	0.0f		12	7	145	0.17	0.97	sx	BUD	19002352	BUD			224

Magnitude Err Nsta Author OrigID  
ML 1.3 0.1 4 BUD 19002352

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.17	265.5	Pg	09:06:11.457	-0.5					T__		381.9		___	ML	1.4	954792	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.17	265.5	Lg	09:06:15.328	0.5					T__						954799	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
KECS	0.21	262.9	Lg	09:06:15.949	-0.2					T__						954793	FDSN	SK	--	BUD	iLoc	EHN	???	_	
ABAH	0.36	125.7	Lg	09:06:21.399	-0.9					T__						954795	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU02A	0.43	205.1	Pg	09:06:17.702	0.3					T__		42.7		___	ML	1.1	954794	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.43	205.1	Lg	09:06:24.786	0.3					T__						954800	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
PSZ	0.84	225.9	Lg	09:06:38.600	-0.3					T__						954796	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	0.88	224.8	Pn	09:06:26.877	0.0					T__		29.5		___	ML	1.5	954797	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.88	224.8	Lg	09:06:39.586	-0.2					T__						954803	FDSN	HU	--	BUD	iLoc	HHN	???	_	
ET1H	0.88	224.8	Sg	09:06:40.152	0.4					T__						954798	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
NIE	0.97	340.4	Pg	09:06:27.412	0.9					T__		19.2		___	ML	1.3	954802	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.97	340.4	Lg	09:06:39.171	-1.1					T__						954801	FDSN	PL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/09	09:22:10.02	0.96	1.35	47.7638	19.1738	8.3	3.2	174	0.0f		10	8	161	0.13	1.17	sx	BUD	19002354	BUD			173

Magnitude Err Nsta Author OrigID

ML 1.5 0.6 3 BUD 19002354

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU10A	0.13	308.0	Pg	09:22:13.950	0.7					T__		1823.3		---	ML	1.9	954831	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU10A	0.13	308.0	Lg	09:22:14.848	-1.1					T__				---		954832	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
ET1H	0.48	76.0	Pg	09:22:21.348	0.9					T__		25.0		---	ML	1.0	954834	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.48	76.0	Lg	09:22:27.556	-0.5					T__				---		954833	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
PSZ	0.51	72.1	Lg	09:22:28.433	-0.9					T__				---		954835	FDSN	GE	--	BUD	iLoc	HHN	???	_	
HU09A	0.55	257.1	Lg	09:22:30.186	-0.4					T__				---		954836	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CSKK	0.74	237.4	Lg	09:22:36.029	-1.0					T__				---		954837	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU08A	0.91	249.0	Lg	09:22:41.580	-0.9					T__				---		954838	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.98	68.0	Lg	09:22:43.405	-2.3					T__				---		954839	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
JOS	1.17	50.8	Pn	09:22:33.984	1.4					T__		23.8		---	ML	1.5	954840	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/09	09:59:54.29	1.21	0.88	48.6634	21.3952	7.1	5.1	30	0.0f		14	9	167	0.38	1.29	sx	BUD	19002356	BUD			230

Magnitude Err Nsta Author OrigID  
 ML 1.7 0.1 7 BUD 19002356

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.38	195.8	Pg	10:00:02.300	0.1					T__		204.4		---	ML	1.7	954874	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.38	195.8	Lg	10:00:08.545	-0.3					T__				---		954880	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
JOS	0.59	253.9	Pg	10:00:06.828	0.7					T__		56.3		---	ML	1.6	954875	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.59	253.9	Lg	10:00:14.388	-0.7					T__				---		954881	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
KECS	0.63	253.7	Pg	10:00:07.468	0.6					T__		151.2		---	ML	2.0	954877	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.63	253.7	Lg	10:00:15.611	-0.8					T__				---		954882	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=0)																									
HU07A	0.77	152.9	Lg	10:00:21.629	-0.7					T__				---		954883	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.79	227.3	Pg	10:00:10.882	0.2					T__		52.0		---	ML	1.7	954876	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.79	227.3	Lg	10:00:21.874	-1.1					T__				---		954884	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
TRPA	0.93	124.6	Pg	10:00:12.764	0.4					T__		88.5		---	ML	2.0	954886	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.93	124.6	Lg	10:00:25.984	-1.3					T__				---		954885	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
NIE	1.04	316.8	Pg	10:00:13.804	-0.2					T__		19.4		---	ML	1.4	954879	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=0)																									
PSZ	1.25	233.9	Pn	10:00:19.793	1.6					T__		49.4		---	ML	1.9	954878	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_



(Reading ML: 1.9 magdef=1  
 (Station ML: 1.9 magdef=1  
 ET1H 1.29 232.9 Sn 10:00:37.723 0.2 T\_\_ --- 954887 FDSN HU -- BUD iLoc HHN ??? \_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/05/09 14:30:10.16 0.88 0.46 47.4683 16.3270 4.4 3.5 71 0.0f 16 9 77 0.23 1.60 sx BUD 19002358 BUD 142

Magnitude Err Nsta Author OrigID  
 ML 1.7 0.1 6 BUD 19002358

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L  
 RONA 0.23 354.9 Pg 14:30:15.073 -0.1 T\_\_ --- 954991 FDSN OE -- BUD iLoc HHZ ??? \_  
 RONA 0.23 354.9 Lg 14:30:18.234 -0.4 T\_\_ --- 954999 FDSN OE -- BUD iLoc HHN ??? \_  
 SOP 0.27 36.0 Pg 14:30:15.912 0.1 T\_\_ --- 185.3 ML 1.3 954992 FDSN HU -- BUD iLoc HHZ HHZ \_  
 SOP 0.27 36.0 Lg 14:30:19.987 0.1 T\_\_ --- 955000 FDSN HU -- BUD iLoc HHN ??? \_

(Reading ML: 1.3 magdef=1  
 (Station ML: 1.3 magdef=0  
 A260A 0.32 125.6 Pg 14:30:16.737 -0.2 T\_\_ 517.6 --- ML 1.9 955002 FDSN Z6 00 BUD iLoc HHZ HHZ \_  
 A260A 0.32 125.6 Lg 14:30:21.228 -0.4 T\_\_ --- 955001 FDSN Z6 00 BUD iLoc HHN ??? \_

(Reading ML: 1.9 magdef=1  
 (Station ML: 1.9 magdef=0  
 CONA 0.56 325.8 Pg 14:30:21.947 0.6 T\_\_ 58.0 --- ML 1.6 954990 FDSN OE -- BUD iLoc HHZ HHZ \_  
 CONA 0.56 325.8 Lg 14:30:28.447 -0.3 T\_\_ --- 954995 FDSN OE -- BUD iLoc HHN ??? \_

(Reading ML: 1.6 magdef=1  
 (Station ML: 1.6 magdef=1  
 ARSA 0.59 248.6 Pg 14:30:21.609 0.0 T\_\_ 50.3 --- ML 1.5 954993 FDSN OE -- BUD iLoc HHZ HHZ \_  
 ARSA 0.59 248.6 Lg 14:30:28.228 -0.8 T\_\_ --- 954996 FDSN OE -- BUD iLoc HHN ??? \_

(Reading ML: 1.5 magdef=1  
 (Station ML: 1.5 magdef=1  
 MPLH 0.88 109.4 Pg 14:30:28.240 0.4 T\_\_ 55.2 --- ML 1.7 955003 FDSN HU -- BUD iLoc HHZ HHZ \_  
 (Reading ML: 1.7 magdef=1  
 (Station ML: 1.7 magdef=1

KOGS 1.02 183.0 Pg 14:30:30.833 0.6 T\_\_ 59.9 --- ML 1.8 955005 FDSN SL -- BUD iLoc BHZ BHZ \_  
 KOGS 1.02 183.0 Lg 14:30:43.906 0.6 T\_\_ --- 955004 FDSN SL -- BUD iLoc BHN ??? \_  
 (Reading ML: 1.8 magdef=1  
 (Station ML: 1.8 magdef=1

MODS 1.11 34.9 Pn 14:30:32.464 0.1 T\_\_ --- 954997 FDSN SK -- BUD iLoc HHZ ??? \_  
 MODS 1.11 34.9 Sn 14:30:48.770 -0.1 T\_\_ --- 954994 FDSN SK -- BUD iLoc HHN ??? \_  
 KRUC 1.60 1.6 Sn 14:31:00.834 0.5 T\_\_ --- 954998 FDSN CZ -- BUD iLoc HHN ??? \_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/05/09 14:37:24.32 0.94 0.57 47.9064 20.1234 6.3 2.9 157 0.0f 14 8 108 0.15 0.84 sx BUD 19002360 BUD 198

Magnitude Err Nsta Author OrigID  
 ML 1.4 0.1 6 BUD 19002360

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L  
 PSZ 0.15 274.5 Pg 14:37:28.265 0.0 T\_\_ 579.2 \_c\_ ML 1.5 955044 FDSN GE -- BUD iLoc HHZ HHZ \_  
 PSZ 0.15 274.5 Lg 14:37:31.296 -0.2 T\_\_ --- 955050 FDSN GE -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.5 magdef=1

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(Station ML: 1.5 magdef=1
ET1H 0.17 260.9 Pg 14:37:28.301 -0.1 T__ 527.8 --- ML 1.5 955045 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.17 260.9 Lg 14:37:31.259 -0.4 T__ --- 955051 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
HU23A 0.28 162.3 Lg 14:37:35.767 0.2 T__ --- 955052 FDSN Z6 00 BUD iLoc HHN ??? _
HU02A 0.35 51.2 Pg 14:37:31.369 -0.5 T__ 134.7 --- ML 1.4 955047 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.35 51.2 Lg 14:37:37.175 -0.7 T__ --- 955054 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
HU03A 0.35 269.8 Pg 14:37:32.136 0.2 T__ 102.7 --- ML 1.3 955046 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU03A 0.35 269.8 Lg 14:37:37.577 -0.1 T__ --- 955053 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=0
KECS 0.63 22.6 Lg 14:37:47.369 0.8 T__ --- 955055 FDSN SK -- BUD iLoc EHN ??? _
JOS 0.65 25.1 Pg 14:37:37.358 -0.0 T__ 28.3 --- ML 1.3 955048 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.65 25.1 Lg 14:37:47.912 0.5 T__ --- 955056 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
ABAH 0.84 62.1 Pg 14:37:42.105 1.0 T__ 39.4 --- ML 1.6 955049 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.84 62.1 Lg 14:37:53.974 -0.8 T__ --- 955057 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=0

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/05/10 00:31:29.55 0.90 0.38 48.0013 20.0031 8.0 2.8 140 10.0f 11 6 145 0.11 0.61 ke BUD 19002362 BUD 180

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Magnitude Err Nsta Author OrigID
ML 0.7 0.3 5 BUD 19002362

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
PSZ 0.11 221.4 Pg 00:31:33.071 0.1 T__ 239.1 _c_ ML 1.0 955677 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.11 221.4 Lg 00:31:35.237 -0.4 T__ --- 955676 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=1
ET1H 0.15 216.0 Pg 00:31:33.545 0.1 T__ 35.2 --- ML 0.3 955674 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.15 216.0 Lg 00:31:36.312 -0.0 T__ --- 955675 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 0.3 magdef=1
(Station ML: 0.3 magdef=0
HU03A 0.29 250.4 Pg 00:31:36.009 0.1 T__ 25.6 _c_ ML 0.5 955678 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU03A 0.29 250.4 Lg 00:31:40.693 0.2 T__ --- 955679 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 0.5 magdef=1
(Station ML: 0.5 magdef=1
HU02A 0.37 70.7 Pg 00:31:37.925 0.4 T__ 24.0 --- ML 0.7 955680 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.37 70.7 Lg 00:31:43.259 -0.4 T__ --- 955683 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 0.7 magdef=1
(Station ML: 0.7 magdef=1
KECS 0.58 33.6 Pg 00:31:41.630 0.4 T__ 85.6 --- ML 1.8 955681 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.58 33.6 Lg 00:31:49.221 -0.5 T__ --- 955684 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=0
JOS 0.61 35.7 Lg 00:31:50.211 -0.5 T__ --- 955682 FDSN Z6 -- BUD iLoc HHE ??? _

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/10	06:54:17.88	1.33	0.73	46.0845	22.8221	8.6	6.5	39	0.0f		9	5	139	0.21	0.96	sx	BUD	19002364	BUD			252

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.1	4 BUD	19002364

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DEV	0.21	164.3	Pg	06:54:21.951	0.1					T__		1003.1		___	ML	1.9	955929	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.21	164.3	Lg	06:54:24.448	-0.4					T__				---		955933	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
GZR	0.69	182.6	Pg	06:54:31.767	0.6					T__		116.5		___	ML	2.0	955931	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	0.69	182.6	Lg	06:54:40.432	-0.5					T__				---		955930	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
DRGR	0.71	353.8	Lg	06:54:43.166	-0.6					T__				---		955934	FDSN	RO	--	BUD	iLoc	HHN	???	_	
LOT	0.92	133.5	Pg	06:54:36.089	0.6					T__		83.2		---	ML	1.9	955932	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
LOT	0.92	133.5	Lg	06:54:47.826	-1.1					T__				---		955935	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
BZS	0.96	241.4	Pg	06:54:36.931	0.3					T__		30.2		---	ML	1.5	955937	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.96	241.4	Lg	06:54:49.621	-0.6					T__				---		955936	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/10	08:00:23.29	1.05	0.68	47.9534	16.0536	6.1	4.5	23	0.0f		7	4	135	0.13	1.13	sx	BUD	19002366	BUD			248

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.13	259.0	Pg	08:00:26.167	0.0					T__		104.0		---	ML	0.7	955961	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.13	259.0	Lg	08:00:27.625	-0.6					T__				---		955962	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.7 magdef=1)																									
(Station ML: 0.7 magdef=1)																									
RONA	0.30	147.1	Pg	08:00:29.251	-0.3					T__				---		955964	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.30	147.1	Lg	08:00:34.042	0.2					T__				---		955963	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.79	207.2	Lg	08:00:49.433	0.9					T__				---		955965	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.13	11.4	Pg	08:00:45.634	0.6					T__		32.4		---	ML	1.6	955967	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.13	11.4	Lg	08:01:01.432	-0.3					T__				---		955966	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/10	08:17:09.65	1.37	0.28	48.8143	16.0950	14.3	4.8	109	0.0f		8	5	204	0.32	1.61	sx	BUD	19002368	BUD			284

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.4	3 BUD	19002368

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KRUC	0.32	38.5	Pg	08:17:16.053	0.2					T__		113.6		___	ML	1.2	955995	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	0.32	38.5	Lg	08:17:20.227	-0.4					T__				---		955996	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
CONA	0.90	190.0	Pg	08:17:27.168	-0.3					T__		53.9		___	ML	1.7	955989	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.90	190.0	Lg	08:17:39.389	0.2					T__				---		955990	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
MODS	0.90	118.9	Lg	08:17:41.561	-0.0					T__				---		955994	FDSN	SK	--	BUD	iLoc	HHN	???	_	
RONA	1.12	173.0	Pg	08:17:31.767	-0.1					T__				---		955992	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	1.12	173.0	Lg	08:17:46.628	0.2					T__				---		955991	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	1.61	194.0	Pg	08:17:40.794	-0.0					T__		43.3		___	ML	2.0	955993	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/10	08:23:32.57	1.26	1.01	48.0450	20.5790	7.1	5.0	143	0.0f		8	5	194	0.09	0.51	sx	BUD	19002370	BUD			274

Magnitude	Err	Nsta	Author	OrigID
ML	1.1	0.2	4 BUD	19002370

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU02A	0.09	334.9	Pg	08:23:34.556	-0.4					T__		94.8		_c_	ML	0.5	956021	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.09	334.9	Lg	08:23:37.515	0.4					T__				---		956025	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 0.5 magdef=1)																									
(Station ML: 0.5 magdef=1)																									
KECS	0.44	351.9	Lg	08:23:49.545	1.0					T__				---		956022	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	0.45	356.7	Pg	08:23:40.794	-0.9					T__		24.4		---	ML	0.9	956028	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.45	356.7	Lg	08:23:49.524	0.7					T__				---		956023	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
PSZ	0.48	254.8	Pg	08:23:42.391	-0.6					T__		39.1		---	ML	1.2	956024	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.48	254.8	Lg	08:23:52.058	1.3					T__				---		956027	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
ABAH	0.51	60.2	Pg	08:23:42.745	-0.2					T__		34.7		---	ML	1.3	956026	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/10	09:09:02.07	2.15	1.22	48.8680	21.0647	14.3	7.4	74	0.0f		9	6	210	0.51	1.27	sx	BUD	19002372	BUD			303

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.5	3 BUD	19002372

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.51	223.3	Pg	09:09:12.955	0.7					T__		30.5		---	ML	1.2	956055	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.51	223.3	Lg	09:09:19.811	-0.2					T__				---		956058	FDSN	Z6	--	BUD	iLoc	HHN	???	_	

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(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
KECS 0.54 225.1 Pg 09:09:13.232 0.3 T__ 111.1 ___ ML 1.8 956056 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.54 225.1 Lg 09:09:20.770 -0.4 T__ ___ 956059 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
ABAH 0.58 168.5 Lg 09:09:22.325 -1.2 T__ ___ 956060 FDSN HU -- BUD iLoc HHN ??? _
NIE 0.75 317.9 Lg 09:09:25.769 -1.0 T__ ___ 956061 FDSN PL -- BUD iLoc BHN ??? _
HU02A 0.83 205.9 Pg 09:09:20.184 1.1 T__ 35.2 ___ ML 1.5 956057 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.83 205.9 Lg 09:09:29.765 -2.1 T__ ___ 956062 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
ET1H 1.27 219.2 Sn 09:09:44.558 -0.4 T__ ___ 956063 FDSN HU -- BUD iLoc HHN ??? _

```

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/10	09:09:31.19	1.05	1.14	46.9239	17.3224	5.5	4.4	2	0.0f		13	12	105	0.12	1.27	sx	BUD	19002374	BUD			136
2023/05/10	09:09:30.90	0.97	1.13	46.8902	17.3220f				0.0f		13	12	93	0.13	1.28	kx	BUD_GT	19002375	BUD_GT			141

(locality: Uzsa Hungary)  
(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
BADH	0.13	129.3	Lg	09:09:37.160	0.2					T__						956091	FDSN	HU	--	BUD	iLoc	HHN	???	_		
A261A	0.13	297.5	Lg	09:09:36.011	-1.0					T__						956090	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
MPLH	0.32	27.9	Pg	09:09:38.624	0.8					T__	462.3					956092	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
MPLH	0.32	27.9	Lg	09:09:42.329	-1.0					T__						956093	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.8 magdef=1 (Station ML: 1.8 magdef=0)																										
TIH	0.39	88.4	Lg	09:09:45.520	-0.0					T__						956094	FDSN	HU	--	BUD	iLoc	HHN	???	_		
HU08A	0.68	37.0	Lg	09:09:53.398	-2.5					T__						956095	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
A266A	0.74	119.0	Lg	09:09:58.658	1.6					T__						956096	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
CSKK	0.80	53.2	Lg	09:09:58.581	-1.7					T__						956098	FDSN	HU	--	BUD	iLoc	HHN	???	_		
A267A	0.80	85.5	Lg	09:09:58.763	-1.1					T__						956097	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
KOGS	0.86	239.5	Lg	09:09:59.002	-0.1					T__						956099	FDSN	SL	--	BUD	iLoc	BHN	???	_		
KOVH	0.97	145.9	Lg	09:10:04.293	0.2					T__						956100	FDSN	HU	--	BUD	iLoc	HHN	???	_		
MORH	1.13	126.0	Sn	09:10:09.473	-0.1					T__						956101	FDSN	HU	--	BUD	iLoc	HHN	???	_		
ARSA	1.28	287.0	Lg	09:10:11.422	-0.3					T__						956102	FDSN	OE	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/10	09:13:10.06	1.20	1.23	48.8691	21.0882	7.8	4.7	71	0.0f		15	8	169	0.52	1.28	sx	BUD	19002376	BUD			260

Magnitude Err Nsta Author OrigID  
ML 1.7 0.2 7 BUD 19002376

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
JOS	0.52	224.4	Pg	09:13:21.323	0.9					T__		94.3				956133	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.52	224.4	Lg	09:13:28.115	-0.2					T__						956140	FDSN	Z6	--	BUD	iLoc	HHN	???	_

(Reading ML: 1.7 magdef=1  
(Station ML: 1.7 magdef=1

KECS	0.56	226.2	Pg	09:13:21.366	0.2	T__	186.8	___	ML	2.1	956134	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.56	226.2	Lg	09:13:28.967	-0.6	T__		---			956141	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Reading ML: 2.1 magdef=1)																			
(Station ML: 2.1 magdef=0)																			
ABAH	0.58	170.0	Pg	09:13:22.324	0.6	T__	58.8	___	ML	1.6	956135	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.58	170.0	Lg	09:13:29.925	-1.6	T__		---			956142	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1)																			
(Station ML: 1.6 magdef=1)																			
NIE	0.76	317.0	Pg	09:13:24.506	0.2	T__	35.4	___	ML	1.5	956136	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.76	317.0	Lg	09:13:34.513	-0.6	T__		---			956137	FDSN	PL	--	BUD	iLoc	BHN	???	_
(Reading ML: 1.5 magdef=1)																			
(Station ML: 1.5 magdef=0)																			
HU02A	0.84	206.8	Pg	09:13:27.870	0.6	T__	41.8	___	ML	1.6	956138	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.84	206.8	Lg	09:13:38.452	-1.7	T__		---			956143	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1)																			
(Station ML: 1.6 magdef=1)																			
TRPA	1.22	126.9	Pn	09:13:34.300	1.0	T__	55.9	___	ML	1.9	956139	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	1.22	126.9	Lg	09:13:49.758	-1.9	T__		---			956144	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Reading ML: 1.9 magdef=1)																			
(Station ML: 1.9 magdef=1)																			
PSZ	1.24	220.3	Pn	09:13:35.150	1.3	T__	45.4	___	ML	1.8	956145	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.24	220.3	Sn	09:13:50.887	-1.8	T__		---			956146	FDSN	GE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1)																			
(Station ML: 1.8 magdef=1)																			
ET1H	1.28	219.8	Sn	09:13:52.218	-1.0	T__		---			956147	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/10	10:23:08.59	1.33	0.88	48.4692	20.7136	8.7	5.6	28	0.0f		7	6	193	0.12	0.82	sx	BUD	19002380	BUD			276

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.12	283.0	Pg	10:23:11.681	0.5					T__		167.0		___	ML	0.9	956204	FDSN	Z6	--	BUD	iLoc	HHN	HHZ	_
JOS	0.12	283.0	Lg	10:23:12.597	-0.8					T__				---		956202	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=0)																									
KECS	0.15	275.4	Lg	10:23:14.056	-0.5					T__				---		956207	FDSN	SK	--	BUD	iLoc	EHN	???	_	
HU02A	0.37	200.0	Lg	10:23:23.231	0.5					T__				---		956208	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ABAH	0.39	116.1	Lg	10:23:22.788	-0.7					T__				---		956203	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	0.78	225.1	Lg	10:23:35.864	-1.0					T__				---		956205	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	0.82	224.0	Lg	10:23:37.244	-0.5					T__				---		956206	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/05/10	10:39:58.44	3.92	1.17	46.9469	22.4497	28.7	16.5	171	0.0f		7	4	287	0.24	1.57	sx	BUD	19002382	BUD					319

Magnitude Err Nsta Author OrigID  
ML 1.7 0.3 3 BUD 19002382

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DRGR	0.24	130.8	Pg	10:40:03.598	0.1					T__		168.4		___	ML	1.2	956227	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_

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DRGR  0.24 130.8 Lg      10:40:07.388 -0.3      T__          ---          956229      FDSN RO      -- BUD  iLoc  HHN ??? _
(Reading ML:  1.2 magdef=1
(Station ML:  1.2 magdef=1
DEV   1.11 163.4 Lg      10:40:35.417  0.2      T__          ---          956230      FDSN RO      -- BUD  iLoc  HHN ??? _
BZS   1.45 203.8 Pn      10:40:24.128 -0.9      T__          27.6        --- ML      1.7 956228      FDSN RO      -- BUD  iLoc  HHZ HHZ _
BZS   1.45 203.8 Sn      10:40:43.290 -2.1      T__          ---          956231      FDSN RO      -- BUD  iLoc  HHN ??? _
(Reading ML:  1.7 magdef=1
(Station ML:  1.7 magdef=1
GZR   1.57 171.6 Pg      10:40:28.503  0.3      T__          39.1        --- ML      2.0 956233      FDSN RO      -- BUD  iLoc  HHZ HHZ _
GZR   1.57 171.6 Sn      10:40:48.943  0.1      T__          ---          956232      FDSN RO      -- BUD  iLoc  HHN ??? _
(Reading ML:  2.0 magdef=1
(Station ML:  2.0 magdef=1

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Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author  OrigID  Rep  DPdep  Err Sgp
2023/05/10 11:37:09.60  1.99  1.10 48.9798  21.1997  13.3  7.9  53  0.0f  11  7 230  0.65  1.41  sx BUD  19002384  BUD  313

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Magnitude  Err Nsta Author  OrigID
ML         1.6 0.3   5 BUD      19002384

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Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh  ACh L
JOS  0.65 222.3 Pg      11:37:21.632 -0.9      T__          36.6        --- ML      1.4 956262      FDSN Z6  -- BUD  iLoc  HHZ HHZ _
JOS  0.65 222.3 Lg      11:37:31.367 -1.0      T__          ---          956269      FDSN Z6  -- BUD  iLoc  HHN ??? _
(Reading ML:  1.4 magdef=1
(Station ML:  1.4 magdef=1
ABAH 0.68 177.8 Pg      11:37:23.446  0.2      T__          55.6        --- ML      1.6 956272      FDSN HU  -- BUD  iLoc  HHZ HHZ _
ABAH 0.68 177.8 Lg      11:37:33.581 -0.9      T__          ---          956271      FDSN HU  -- BUD  iLoc  HHN ??? _
(Reading ML:  1.6 magdef=1
(Station ML:  1.6 magdef=1
KECS 0.69 223.8 Pg      11:37:24.584  1.3      T__          93.6        --- ML      1.9 956265      FDSN SK  -- BUD  iLoc  EHZ EHZ _
(Reading ML:  1.9 magdef=1
(Station ML:  1.9 magdef=0
NIE  0.74 307.0 Lg      11:37:33.581 -0.4      T__          ---          956270      FDSN PL  -- BUD  iLoc  BHN ??? _
HU02A 0.97 207.8 Pn      11:37:28.105 -1.4      T__          22.4        --- ML      1.4 956263      FDSN Z6  00 BUD  iLoc  HHZ HHZ _
HU02A 0.97 207.8 Lg      11:37:43.682  0.0      T__          ---          956267      FDSN Z6  00 BUD  iLoc  HHN ??? _
(Reading ML:  1.4 magdef=1
(Station ML:  1.4 magdef=0
PSZ  1.37 219.8 Pn      11:37:36.025  0.8      T__          35.5        --- ML      1.8 956264      FDSN GE  -- BUD  iLoc  HHZ HHZ _
PSZ  1.37 219.8 Sn      11:37:55.190 -0.3      T__          ---          956266      FDSN GE  -- BUD  iLoc  HHN ??? _
(Reading ML:  1.8 magdef=1
(Station ML:  1.8 magdef=1
ET1H 1.41 219.3 Lg      11:37:59.267  1.5      T__          ---          956268      FDSN HU  -- BUD  iLoc  HHN ??? _

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Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author  OrigID  Rep  DPdep  Err Sgp
2023/05/11 08:07:47.88  3.45  0.67 46.1095  18.0699  25.1  8.4  107  0.0f  5  3 205  0.03  1.12  sx BUD  19002390  BUD  299

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Magnitude  Err Nsta Author  OrigID

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Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh  ACh L
KOVH 0.03 135.4 Pg      08:07:49.247  0.0      T__          1156.4       --- ML      1.4 958309      FDSN HU  -- BUD  iLoc  HHZ HHZ _
KOVH 0.03 135.4 Lg      08:07:50.572 -0.1      T__          ---          958312      FDSN HU  -- BUD  iLoc  HHN ??? _

```

(Reading ML: 1.4 magdef=1  
 (Station ML: 1.4 magdef=1  
 MORH 0.41 75.0 Pg 08:07:56.678 0.1 T\_\_ 34.8 \_\_\_ ML 1.0 958310 FDSN HU -- BUD iLoc HHZ HHZ \_  
 MORH 0.41 75.0 Lg 08:08:03.177 -0.1 T\_\_ \_\_\_ 958313 FDSN HU -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.0 magdef=1  
 (Station ML: 1.0 magdef=1  
 MPLH 1.12 341.2 Sn 08:08:25.507 -0.9 T\_\_ \_\_\_ 958311 FDSN HU -- BUD iLoc HHN ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/11	08:37:50.70	1.33	0.64	48.5417	20.7843	7.0	6.1	29	0.0f	10	7	148	0.17	0.93	sx	BUD	19002392	BUD				234

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.3	3 BUD	19002392

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.17	254.3	Pg	08:37:54.027	-0.3					T__		186.3		___	ML	1.0	958337	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.17	254.3	Lg	08:37:57.306	0.2					T__				---		958338	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1 (Station ML: 1.0 magdef=1																									
KECS	0.21	253.7	Lg	08:37:58.328	-0.1					T__				---		958339	FDSN	SK	--	BUD	iLoc	EHN	???	_	
ABAH	0.39	128.8	Lg	08:38:05.171	-0.4					T__				---		958340	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU02A	0.45	202.5	Lg	08:38:07.905	0.2					T__				---		958341	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.86	224.0	Pg	08:38:10.325	1.4					T__		34.5		___	ML	1.5	958345	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.86	224.0	Lg	08:38:21.546	-0.3					T__				---		958343	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1 (Station ML: 1.5 magdef=1																									
ET1H	0.90	223.0	Pn	08:38:09.302	-0.2					T__		21.7		___	ML	1.3	958346	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.90	223.0	Lg	08:38:22.312	-0.5					T__				---		958344	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1 (Station ML: 1.3 magdef=1																									
NIE	0.93	340.2	Lg	08:38:21.982	0.4					T__				---		958342	FDSN	PL	--	BUD	iLoc	BHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/11	08:59:06.30	0.91	0.79	47.1433	17.8470	5.1	3.2	117	0.0f	15	13	97	0.21	1.29	sx	BUD	19002394	BUD				114

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MPLH	0.21	277.4	Pg	08:59:11.452	0.3					T__		309.6		___	ML	1.4	958376	FDSN	HU	--	BUD	iLoc	HHN	HHZ	_
MPLH	0.21	277.4	Lg	08:59:14.220	-0.9					T__				---		958381	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1 (Station ML: 1.4 magdef=1																									
TIH	0.25	172.6	Lg	08:59:15.980	-0.1					T__				---		958382	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU08A	0.29	10.3	Pg	08:59:12.892	0.2					T__		420.9		___	ML	1.7	958377	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU08A	0.29	10.3	Lg	08:59:18.175	0.1					T__				---		958383	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=1																									
CSKK	0.36	51.9	Lg	08:59:20.453	-0.0					T__				---		958378	FDSN	HU	--	BUD	iLoc	HHN	???	_	
BADH	0.42	217.3	Lg	08:59:21.163	-0.5					T__				---		958384	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU09A	0.61	36.1	Lg	08:59:29.325	-0.0					T__				---		958385	FDSN	Z6	00	BUD	iLoc	HHN	???	_	



A266A	0.68	155.0	Lg	08:59:30.873	0.6	T__	---	958386	FDSN	Z6	00	BUD	iLoc	HHN	???	_
A265A	0.72	182.8	Lg	08:59:31.811	0.7	T__	---	958387	FDSN	Z6	00	BUD	iLoc	HHN	???	_
SR0	0.74	25.1	Lg	08:59:33.231	-0.5	T__	---	958388	FDSN	SK	--	BUD	iLoc	EHN	???	_
BEHE	1.00	227.9	Lg	08:59:40.278	0.7	T__	---	958389	FDSN	HU	--	BUD	iLoc	HHN	???	_
KOVH	1.07	170.5	Lg	08:59:42.501	-0.8	T__	---	958379	FDSN	HU	--	BUD	iLoc	HHN	???	_
MORH	1.08	149.2	Lg	08:59:41.540	-1.9	T__	---	958390	FDSN	HU	--	BUD	iLoc	HHN	???	_
MODS	1.29	342.9	Sn	08:59:49.416	-0.5	T__	---	958380	FDSN	SK	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/12	06:55:55.07	0.98	0.92	48.4004	17.2805	7.1	3.0	99	0.0f	12	8	155	0.03	1.39	sx	BUD	19002402	BUD			180	

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.1	4 BUD	19002402

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.03	184.4	Pg	06:55:57.029	0.8					T__						960733	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.03	184.4	Lg	06:55:57.775	0.2					T__						960734	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ZST	0.24	210.2	Pg	06:56:00.403	0.1					T__						960735	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
ZST	0.24	210.2	Lg	06:56:03.001	-1.5					T__						960736	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.53	29.3	Pg	06:56:05.982	-0.1					T__		91.7			ML	1.7	960729	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
KRUC	0.88	318.8	Pg	06:56:13.094	1.0					T__		39.5			ML	1.6	960730	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	0.88	318.8	Lg	06:56:23.612	-1.5					T__						960737	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
RONA	0.96	223.6	Pg	06:56:14.329	0.1					T__						960738	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.96	223.6	Lg	06:56:26.593	-0.2					T__						960739	FDSN	OE	--	BUD	iLoc	HHN	???	_	
VRAC	1.02	333.7	Pg	06:56:15.436	1.1					T__		9.4			ML	1.0	960731	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
CONA	1.06	244.1	Pg	06:56:15.904	-0.1					T__		28.1			ML	1.5	960732	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
MORC	1.39	7.0	Lg	06:56:40.202	-0.0					T__						960740	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/05/12	08:15:49.12	1.23	0.42	48.4664	20.7974	9.7	4.1	21	0.0f	8	6	200	0.17	0.85	sx	BUD	19002404	BUD			288			

Magnitude	Err	Nsta	Author	OrigID
ML	0.9	0.1	3 BUD	19002404

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.17	279.8	Pg	08:15:52.835	0.0					T__		101.6			ML	0.8	960766	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.17	279.8	Lg	08:15:55.773	0.0					T__						960767	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=1)																									
KECS	0.21	274.7	Pg	08:15:53.303	-0.2					T__		364.6			ML	1.4	960768	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.21	274.7	Lg	08:15:57.349	0.4					T__						960771	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.4 magdef=1)																									

```

(Station ML: 1.4 magdef=1
ABAH 0.34 119.9 Pg 08:15:56.178 -0.1 T__ 41.7 ___ ML 0.9 960769 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=1
HU02A 0.39 207.9 Lg 08:16:04.425 0.4 T__ ___ 960772 FDSN Z6 00 BUD iLoc HHN ??? _
PSZ 0.82 228.1 Lg 08:16:18.076 -0.7 T__ ___ 960770 FDSN GE -- BUD iLoc HHN ??? _
ET1H 0.85 226.9 Lg 08:16:19.847 0.2 T__ ___ 960773 FDSN HU -- BUD iLoc HHN ??? _

```

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/05/12 08:29:56.74 0.99 0.57 47.8898 16.0674 6.3 4.4 20 0.0f 8 6 82 0.14 1.50 sx BUD 19002406 BUD 151

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CONA 0.14 285.6 Pg 08:29:59.914 0.1 T__ 212.8 ___ ML 1.0 960796 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.14 285.6 Lg 08:30:01.532 -0.6 T__ ___ 960797 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=1
RONA 0.24 140.9 Pg 08:30:01.788 -0.1 T__ ___ 960798 FDSN OE -- BUD iLoc HHZ ??? _
ARSA 0.74 210.1 Lg 08:30:20.823 0.5 T__ ___ 960799 FDSN OE -- BUD iLoc HHN ??? _
MODS 0.94 58.7 Lg 08:30:30.481 0.0 T__ ___ 960803 FDSN SK -- BUD iLoc HHN ??? _
KRUC 1.19 10.4 Pg 08:30:20.056 0.4 T__ 26.1 ___ ML 1.6 960801 FDSN CZ -- BUD iLoc HHZ HHZ _
KRUC 1.19 10.4 Sn 08:30:36.366 -0.7 T__ ___ 960800 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
CKRC 1.50 309.1 Sn 08:30:45.436 0.6 T__ ___ 960802 FDSN CZ -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/05/12 08:36:59.23 1.74 1.30 48.0452 20.7006 10.9 5.4 144 0.0f 8 6 198 0.14 0.58 sx BUD 19002408 BUD 267
2023/05/12 08:36:59.43 0.96 1.13 48.0471 20.6805f 0.0f 8 6 196 0.13 0.57 kx BUD_GT 19002409 BUD_GT 264
(locality: Miskolc-Mexikóvölgy Hungary)
(GT info : GT2 explosion)

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU02A 0.13 305.8 Pg 08:37:03.545 0.9 T__ 525.0 ___ ML 1.4 961208 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.13 305.8 Lg 08:37:04.865 -0.6 T__ ___ 961210 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=0
ABAH 0.45 56.1 Lg 08:37:14.733 -1.8 T__ ___ 961211 FDSN HU -- BUD iLoc HHN ??? _
KECS 0.46 343.5 Lg 08:37:14.404 -1.4 T__ ___ 961212 FDSN SK -- BUD iLoc EHN ??? _
JOS 0.46 348.2 Pg 08:37:09.442 0.7 T__ 67.2 ___ ML 1.4 961209 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.46 348.2 Lg 08:37:15.191 -0.7 T__ ___ 961213 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=0
PSZ 0.54 256.6 Lg 08:37:18.831 -1.0 T__ ___ 961214 FDSN GE -- BUD iLoc HHN ??? _
ET1H 0.57 253.1 Lg 08:37:19.513 -0.8 T__ ___ 961215 FDSN HU -- BUD iLoc HHN ??? _

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/12	08:59:00.02	1.55	0.99	48.4692	21.3726	8.9	6.8	68	0.0f	7	5	155	0.19	0.76	sx	BUD	19002410	BUD				294

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.19	207.1	Pg	08:59:04.854	0.5					T__		330.0		___	ML	1.4	961235	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.19	207.1	Lg	08:59:06.855	-1.3					T__				___		961239	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
JOS	0.56	273.1	Pg	08:59:11.071	-0.1					T__		24.5		___	ML	1.2	961236	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.56	273.1	Lg	08:59:20.273	0.7					T__				___		961240	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
KECS	0.59	271.7	Lg	08:59:20.895	0.1					T__				___		961241	FDSN	SK	--	BUD	iLoc	EHN	???	_	
HU02A	0.66	238.8	Lg	08:59:23.420	-0.9					T__				___		961237	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KOLS	0.76	51.8	Lg	08:59:25.975	-0.9					T__				___		961238	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/12	10:35:55.87	1.50	0.95	47.9052	20.1630	17.8	3.3	157	0.0f	10	6	201	0.18	0.82	sx	BUD	19002412	BUD				214

Magnitude Err Nsta Author OrigID  
ML 1.5 0.2 4 BUD 19002412

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.18	274.3	Pg	10:36:00.553	0.2					T__		757.0		___	ML	1.7	961511	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.18	274.3	Lg	10:36:03.491	-0.5					T__				___		961515	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
ET1H	0.20	262.5	Pg	10:36:00.723	0.2					T__		635.4		___	ML	1.7	961510	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.20	262.5	Lg	10:36:03.662	-0.4					T__				___		961516	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
HU02A	0.33	48.1	Pg	10:36:03.832	0.8					T__		132.6		___	ML	1.3	961513	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.33	48.1	Lg	10:36:07.324	-1.4					T__				___		961514	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
HU03A	0.38	270.0	Pg	10:36:04.769	0.7					T__		109.0		___	ML	1.4	961512	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.38	270.0	Lg	10:36:09.666	-0.5					T__				___		961517	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
JOS	0.64	22.9	Lg	10:36:18.363	-0.2					T__				___		961518	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
ABAH	0.82	61.1	Lg	10:36:24.031	-1.6					T__				___		961519	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/05/14	01:31:20.27	1.41	0.62	45.5435	16.0692	10.5	6.1	25	0.9	4.9	17	13	168	0.29	2.18	ke	BUD	19002426	BUD				231

Magnitude Err Nsta Author OrigID  
ML 2.1 0.3 7 BUD 19002426

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ZAG	0.29	348.5	Pg	01:31:26.256	0.2					T__		930.2		---	ML	2.1	964830	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.29	348.5	Lg	01:31:30.712	0.5					T__				---		964840	FDSN	CR	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 2.1 magdef=1)																					
				(Station ML: 2.1 magdef=1)																					
PTJ	0.37	349.0	Pg	01:31:27.279	-0.7					T__		233.0		---	ML	1.7	964829	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.37	349.0	Lg	01:31:33.122	-0.5					T__				---		964841	FDSN	CR	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 1.7 magdef=1)																					
				(Station ML: 1.7 magdef=1)																					
CRES	0.51	303.6	Pg	01:31:30.255	-0.0					T__		72.7		---	ML	1.6	964831	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
				(Reading ML: 1.6 magdef=1)																					
				(Station ML: 1.6 magdef=0)																					
KOGS	0.91	7.9	Pg	01:31:38.527	0.3					T__		90.2		---	ML	2.0	964832	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
				(Reading ML: 2.0 magdef=1)																					
				(Station ML: 2.0 magdef=1)																					
BEHE	1.05	27.7	Pg	01:31:40.992	0.2					T__		183.1		---	ML	2.3	964833	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.3 magdef=1)																					
				(Station ML: 2.3 magdef=0)																					
A264A	1.05	53.7	Pg	01:31:40.900	0.1					T__		150.7		---	ML	2.3	964834	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A264A	1.05	53.7	Lg	01:31:55.225	0.2					T__				---		964835	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.3 magdef=1)																					
				(Station ML: 2.3 magdef=1)																					
BLY	1.12	134.8	Lg	01:31:55.616	-0.6					T__				---		964842	FDSN	MN	--	BUD	iLoc	HHN	???	_	
A273A	1.28	72.4	Lg	01:32:02.071	0.0					T__				---		964843	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
OBKA	1.43	312.9	Pn	01:31:48.437	0.8					T__		96.9		---	ML	2.3	964845	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
OBKA	1.43	312.9	Lg	01:32:07.792	1.3					T__				---		964844	FDSN	OE	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.3 magdef=1)																					
				(Station ML: 2.3 magdef=1)																					
A265A	1.49	53.2	Lg	01:32:08.745	-0.1					T__				---		964836	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A261A	1.60	27.6	Lg	01:32:12.239	-0.0					T__				---		964837	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A266A	1.82	56.5	Lg	01:32:18.289	-0.8					T__				---		964838	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A267A	2.18	49.2	Lg	01:32:31.926	0.8					T__				---		964839	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/14	04:36:31.49	1.43	1.36	45.5772	16.1160	13.7	9.3	36	15.7	19.7	10	7	161	0.27	1.44	ke	BUD	19002428	BUD			260

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.3	4 BUD	19002428

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ZAG	0.27	340.1	Pg	04:36:37.486	0.2					T__		890.6		---	ML	2.0	964883	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.27	340.1	Lg	04:36:42.123	0.5					T__				---		964884	FDSN	CR	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 2.0 magdef=1)																					
				(Station ML: 2.0 magdef=1)																					
PTJ	0.35	342.6	Pg	04:36:38.381	-0.6					T__		81.1		---	ML	1.2	964880	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.35	342.6	Lg	04:36:44.260	-0.4					T__				---		964887	FDSN	CR	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 1.2 magdef=1)																					
				(Station ML: 1.2 magdef=1)																					
CRES	0.52	298.5	Pg	04:36:41.740	0.1					T__		72.0		---	ML	1.6	964881	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.52	298.5	Lg	04:36:49.446	-0.4					T__				---		964882	FDSN	SL	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 1.6 magdef=1)																					
				(Station ML: 1.6 magdef=1)																					

KOGS	0.88	6.1	Pn	04:36:49.765	1.0					T__	55.2	___	ML	1.7	964885	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
	(Reading ML: 1.7 magdef=1)																						
	(Station ML: 1.7 magdef=1)																						
BLY	1.12	137.3	Lg	04:37:06.966	-0.2					T__		---			964886	FDSN	MN	--	BUD	iLoc	HNN	???	_
A263A	1.35	37.7	Sn	04:37:14.277	2.0					T__		---			964888	FDSN	Z6	00	BUD	iLoc	HNN	???	_
OBKA	1.44	311.1	Sn	04:37:17.979	2.3					T__		---			964889	FDSN	OE	--	BUD	iLoc	HNN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/14	11:12:03.46	1.23	0.86	48.1105	20.5944	9.1	3.9	127	6.6	7.0	11	7	103	0.05	0.94	ke	BUD	19002432	BUD			178

Magnitude	Err	Nsta	Author	OrigID
ML	1.2	0.1	4 BUD	19002432

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU02A	0.05	284.2	Pg	11:12:05.756	0.4					T__		411.5		_d	ML	1.0	967769	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.05	284.2	Lg	11:12:06.642	-0.4					T__				---		967774	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
	(Reading ML: 1.0 magdef=1)																								
	(Station ML: 1.0 magdef=1)																								
KECS	0.38	349.0	Pg	11:12:11.806	0.6					T__		134.2		___	ML	1.5	967770	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.38	349.0	Lg	11:12:16.051	-1.0					T__				---		967775	FDSN	SK	--	BUD	iLoc	EHN	???	_	
	(Reading ML: 1.5 magdef=1)																								
	(Station ML: 1.5 magdef=1)																								
JOS	0.39	354.6	Lg	11:12:16.699	-0.5					T__				---		967776	FDSN	Z6	--	BUD	iLoc	HNN	???	_	
ABAH	0.47	66.5	Lg	11:12:20.063	-0.6					T__				---		967772	FDSN	HU	--	BUD	iLoc	HNN	???	_	
PSZ	0.51	248.0	Pg	11:12:14.354	-0.0					T__		30.8		___	ML	1.2	967773	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.51	248.0	Lg	11:12:22.425	0.1					T__				---		967777	FDSN	GE	--	BUD	iLoc	HNN	???	_	
	(Reading ML: 1.2 magdef=1)																								
	(Station ML: 1.2 magdef=1)																								
ET1H	0.54	244.8	Pg	11:12:14.644	-0.2					T__		25.3		___	ML	1.2	967771	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.54	244.8	Lg	11:12:22.824	-0.0					T__				---		967778	FDSN	HU	--	BUD	iLoc	HNN	???	_	
	(Reading ML: 1.2 magdef=1)																								
	(Station ML: 1.2 magdef=1)																								
HU12A	0.94	170.3	Sn	11:12:37.564	1.7					T__				---		967779	FDSN	Z6	00	BUD	iLoc	HNN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/14	12:05:10.55	0.86	0.57	47.7717	16.1713	6.5	3.4	29	9.0f		20	13	86	0.11	1.63	ke	BUD	19002434	BUD			163

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.3	5 BUD	19002434

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
RONA	0.11	130.5	Pg	12:05:13.621	0.1					T__				_d		969014	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.11	130.5	Lg	12:05:15.575	-0.1					T__				---		969013	FDSN	OE	--	BUD	iLoc	HNN	???	_	
CONA	0.26	307.0	Pg	12:05:15.995	-0.2					T__		95.4		_c	ML	1.0	969011	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.26	307.0	Lg	12:05:20.395	0.4					T__				---		969012	FDSN	OE	--	BUD	iLoc	HNN	???	_	
	(Reading ML: 1.0 magdef=1)																								
	(Station ML: 1.0 magdef=0)																								
SOP	0.28	108.6	Pg	12:05:16.547	0.2					T__		103.0		_c	ML	1.1	969021	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.28	108.6	Lg	12:05:20.468	0.1					T__				---		969015	FDSN	HU	--	BUD	iLoc	HNN	???	_	
	(Reading ML: 1.1 magdef=1)																								

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(Station ML: 1.1 magdef=1
A260A 0.61 143.3 Lg 12:05:30.529 -0.5 T__
ARSA 0.68 220.4 Pg 12:05:23.618 -0.2 T__ 87.9 --- ML 1.8 969022 FDSN OE -- BUD iLoc HHZ HHZ _
ARSA 0.68 220.4 Lg 12:05:33.021 0.5 T__ --- 969023 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
EGYH 0.86 113.9 Sn 12:05:40.913 0.0 T__ --- 969024 FDSN HU -- BUD iLoc HHN ??? _
MODS 0.96 50.5 Pn 12:05:29.068 -0.5 T__ --- 969017 FDSN SK -- BUD iLoc HHZ ??? _
MODS 0.96 50.5 Sn 12:05:42.854 -0.9 T__ --- 969025 FDSN SK -- BUD iLoc HHN ??? _
MPLH 1.11 122.5 Sn 12:05:46.566 -0.3 T__ --- 969026 FDSN HU -- BUD iLoc HHN ??? _
HU08A 1.23 105.4 Sn 12:05:50.208 0.1 T__ --- 969027 FDSN Z6 00 BUD iLoc HHN ??? _
KRUC 1.30 6.5 Pn 12:05:34.327 0.0 T__ 57.3 --- ML 2.0 969018 FDSN CZ -- BUD iLoc HHZ HHZ _
KRUC 1.30 6.5 Sn 12:05:50.724 -1.0 T__ --- 969028 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=0
VRAC 1.56 10.2 Pn 12:05:38.125 0.1 T__ 8.3 --- ML 1.3 969020 FDSN CZ -- BUD iLoc HHZ HHZ _
VRAC 1.56 10.2 Sn 12:05:57.662 -0.6 T__ --- 969029 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
TREC 1.59 343.6 Sn 12:05:59.810 1.1 T__ --- 969030 FDSN CZ -- BUD iLoc HHN ??? _
CKRC 1.63 310.8 Sn 12:06:01.095 1.0 T__ --- 969019 FDSN CZ -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/05/15 07:26:04.72 0.91 0.72 47.8804 16.0726 5.3 4.9 138 0.0f 12 7 81 0.15 1.51 sx BUD 19002440 BUD 152

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Magnitude Err Nsta Author OrigID
ML 1.6 0.2 3 BUD 19002440

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CONA 0.15 288.7 Pg 07:26:07.961 0.0 T__ 156.3 --- ML 0.9 970659 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.15 288.7 Lg 07:26:09.403 -0.9 T__ --- 970666 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=1
RONA 0.24 140.1 Pg 07:26:09.914 0.2 T__ --- 970660 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.24 140.1 Lg 07:26:13.402 0.2 T__ --- 970667 FDSN OE -- BUD iLoc HHN ??? _
ARSA 0.73 210.8 Pg 07:26:18.423 -0.5 T__ 49.3 --- ML 1.6 970662 FDSN OE -- BUD iLoc HHZ HHZ _
ARSA 0.73 210.8 Lg 07:26:28.393 0.3 T__ --- 970661 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
MODS 0.95 58.1 Pg 07:26:24.083 0.1 T__ --- 970663 FDSN SK -- BUD iLoc HHZ ??? _
MODS 0.95 58.1 Lg 07:26:37.522 -1.0 T__ --- 970664 FDSN SK -- BUD iLoc HHE ??? _
KRUC 1.20 10.2 Pg 07:26:28.137 0.4 T__ 35.1 --- ML 1.7 970665 FDSN CZ -- BUD iLoc HHZ HHZ _
KRUC 1.20 10.2 Sn 07:26:44.972 -0.3 T__ --- 970668 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
TREC 1.47 344.9 Lg 07:26:53.940 1.4 T__ --- 970669 FDSN CZ -- BUD iLoc HHN ??? _
CKRC 1.51 309.3 Lg 07:26:54.177 0.6 T__ --- 970670 FDSN CZ -- BUD iLoc HHN ??? _

```

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/05/15 07:45:48.42 1.03 0.76 47.9827 19.6876 6.4 3.1 148 0.0f 12 7 189 0.10 1.09 sx BUD 19002442 BUD 276

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Magnitude Err Nsta Author OrigID  
 ML 1.5 0.0 6 BUD 19002442

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
HU03A	0.10	216.9	Pg	07:45:51.199	0.3					T__		1290.9		---	ML	1.7 970703	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.10	216.9	Lg	07:45:52.696	-0.3					T__				---		970708	FDSN	Z6	00	BUD	iLoc	HNN	???	_
(Reading ML: 1.7 magdef=1)																								
(Station ML: 1.7 magdef=1)																								
PSZ	0.15	114.8	Pg	07:45:52.860	0.6					T__		619.3		---	ML	1.5 970701	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.15	114.8	Lg	07:45:54.503	-1.0					T__				---		970712	FDSN	GE	--	BUD	iLoc	HNN	???	_
(Reading ML: 1.5 magdef=1)																								
(Station ML: 1.5 magdef=1)																								
ET1H	0.16	129.9	Pg	07:45:52.860	0.6					T__		231.5		---	ML	1.1 970702	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.16	129.9	Lg	07:45:55.161	-0.2					T__				---		970709	FDSN	HU	--	BUD	iLoc	HNN	???	_
(Reading ML: 1.1 magdef=1)																								
(Station ML: 1.1 magdef=0)																								
HU02A	0.58	75.7	Pg	07:46:00.693	0.1					T__		47.6		---	ML	1.5 970704	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.58	75.7	Lg	07:46:08.691	-1.3					T__				---		970706	FDSN	Z6	00	BUD	iLoc	HNN	???	_
(Reading ML: 1.5 magdef=1)																								
(Station ML: 1.5 magdef=1)																								
KECS	0.73	46.5	Lg	07:46:13.511	-0.7					T__				---		970707	FDSN	SK	--	BUD	iLoc	EHN	???	_
JOS	0.77	47.6	Pg	07:46:04.804	1.1					T__		38.5		---	ML	1.5 970711	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.77	47.6	Lg	07:46:15.029	-0.3					T__				---		970710	FDSN	Z6	--	BUD	iLoc	HNN	???	_
(Reading ML: 1.5 magdef=1)																								
(Station ML: 1.5 magdef=1)																								
ABAH	1.09	72.6	Pn	07:46:09.531	-0.1					T__		41.7		---	ML	1.7 970705	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.7 magdef=1)																								
(Station ML: 1.7 magdef=0)																								

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/05/15 08:22:09.95 1.54 0.70 48.5453 20.7702 11.3 3.9 8 0.0f 12 6 236 0.16 0.90 sx BUD 19002444 BUD 309

Magnitude Err Nsta Author OrigID  
 ML 1.3 0.1 6 BUD 19002444

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
JOS	0.16	252.2	Pg	08:22:13.520	0.1					T__		321.0		---	ML	1.3 970749	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.16	252.2	Lg	08:22:16.698	0.6					T__				---		970757	FDSN	Z6	--	BUD	iLoc	HNN	???	_
(Reading ML: 1.3 magdef=1)																								
(Station ML: 1.3 magdef=1)																								
KECS	0.20	251.9	Pg	08:22:14.013	-0.1					T__		713.2		---	ML	1.7 970750	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.20	251.9	Lg	08:22:17.702	0.3					T__				---		970758	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Reading ML: 1.7 magdef=1)																								
(Station ML: 1.7 magdef=0)																								
ABAH	0.40	128.4	Pg	08:22:18.531	0.3					T__		63.0		---	ML	1.2 970754	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.40	128.4	Lg	08:22:24.264	-0.9					T__				---		970753	FDSN	HU	--	BUD	iLoc	HNN	???	_
(Reading ML: 1.2 magdef=1)																								
(Station ML: 1.2 magdef=1)																								
HU02A	0.45	201.2	Pg	08:22:19.692	0.1					T__		34.1		---	ML	1.1 970751	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.45	201.2	Lg	08:22:27.763	0.8					T__				---		970759	FDSN	Z6	00	BUD	iLoc	HNN	???	_
(Reading ML: 1.1 magdef=1)																								

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(Station ML: 1.1 magdef=0
PSZ 0.86 223.3 Pn 08:22:27.352 -1.0 T__ 51.2 --- ML 1.7 970755 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.86 223.3 Lg 08:22:40.298 -0.7 T__ --- 970760 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
ET1H 0.90 222.4 Pn 08:22:27.808 -0.9 T__ 25.8 --- ML 1.4 970752 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.90 222.4 Lg 08:22:41.375 -0.5 T__ --- 970756 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1

```

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/15	08:34:52.90	1.38	1.14	48.5004	17.5486	13.4	3.5	121	0.0f	8	6	211	0.22	1.27	sx	BUD	19002446	BUD				277

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
MODS	0.22	235.0	Pg	08:34:57.312	-0.6					T__						970788	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_		
MODS	0.22	235.0	Lg	08:35:00.817	-1.2					T__						970789	FDSN	SK	--	BUD	iLoc	HHN	HHZ	_		
JAVC	0.37	12.7	Pg	08:35:00.654	-0.2					T__	136.8				1.5	970792	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_		
JAVC	0.37	12.7	Lg	08:35:06.862	-0.2					T__						970791	FDSN	CZ	--	BUD	iLoc	HHN	HHZ	_		
(Reading ML: 1.5 magdef=1																										
(Station ML: 1.5 magdef=0																										
ZST	0.43	224.5	Lg	08:35:09.699	1.0					T__						970790	FDSN	SK	--	BUD	iLoc	HHN	HHZ	_		
KRUC	0.95	306.8	Lg	08:35:25.552	0.5					T__						970793	FDSN	CZ	--	BUD	iLoc	HHN	HHZ	_		
RONA	1.16	226.8	Lg	08:35:32.474	1.5					T__						970794	FDSN	OE	--	BUD	iLoc	HHN	HHZ	_		
CONA	1.27	243.7	Lg	08:35:35.054	0.9					T__						970795	FDSN	OE	--	BUD	iLoc	HHN	HHZ	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/05/15	09:04:50.56	1.14	0.79	47.5317	18.5089	6.3	4.4	143	0.0f	9	8	107	0.14	1.32	sx	BUD	19002448	BUD					156
2023/05/15	09:04:51.19	0.95	1.12	47.5600	18.4573f				0.0f	9	8	103	0.09	1.35	kx	BUD_GT	19002449	BUD_GT					143
(locality: Tatabánya Hungary)																							
(GT info : GT2 explosion)																							

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
HU09A	0.09	327.2	Pg	09:04:54.175	0.6					T__		1620.8			1.8	970814	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_		
HU09A	0.09	327.2	Lg	09:04:56.402	0.4					T__						970815	FDSN	Z6	00	BUD	iLoc	HHN	HHZ	_		
(Reading ML: 1.8 magdef=1																										
(Station ML: 1.8 magdef=0																										
CSKK	0.24	214.2	Lg	09:05:00.732	-0.4					T__						970816	FDSN	HU	--	BUD	iLoc	HHN	HHZ	_		
SRO	0.27	339.1	Lg	09:05:02.948	0.8					T__						970817	FDSN	SK	--	BUD	iLoc	EHN	HHZ	_		
HU08A	0.38	250.6	Lg	09:05:04.717	-1.2					T__						970818	FDSN	Z6	00	BUD	iLoc	HHN	HHZ	_		
MPLH	0.74	238.3	Lg	09:05:17.217	0.1					T__						970819	FDSN	HU	--	BUD	iLoc	HHN	HHZ	_		
ET1H	1.01	71.0	Lg	09:05:25.613	-1.6					T__						970820	FDSN	HU	--	BUD	iLoc	HHN	HHZ	_		
PSZ	1.03	69.2	Lg	09:05:26.461	-2.1					T__						970821	FDSN	GE	--	BUD	iLoc	HHN	HHZ	_		
MORH	1.35	174.5	Sn	09:05:35.111	-0.6					T__						970822	FDSN	HU	--	BUD	iLoc	HHN	HHZ	_		



Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/15	11:36:52.93	0.99	1.13	46.2021	16.3955	6.8	4.1	127	0.0f		11	6	130	0.27	1.21	sx	BUD	19002452	BUD			181

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.2	5 BUD	19002452

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOGS	0.27	337.8	Pg	11:36:57.344	-1.3					T__		137.8		___	ML	1.2	970883	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.27	337.8	Lg	11:37:04.027	1.4					T__				---		970888	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=0)																									
BEHE	0.38	44.3	Pg	11:37:01.409	0.3					T__		574.0		___	ML	2.1	970884	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BEHE	0.38	44.3	Lg	11:37:06.558	-0.3					T__				---		970887	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=0)																									
PTJ	0.42	225.4	Pg	11:37:01.230	-0.4					T__		75.8		___	ML	1.3	970885	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.42	225.4	Lg	11:37:07.036	-1.0					T__				---		970889	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
CRES	0.75	240.4	Pg	11:37:08.783	1.2					T__		41.5		___	ML	1.5	970891	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.75	240.4	Lg	11:37:18.862	0.4					T__				---		970890	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
KOVH	1.19	94.9	Pn	11:37:16.566	0.7					T__		31.5		___	ML	1.7	970882	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	1.19	94.9	Lg	11:37:31.173	-1.4					T__				---		970881	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
ARSA	1.21	330.5	Lg	11:37:32.571	1.1					T__				---		970886	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/16	07:03:54.68	1.53	1.01	47.9757	20.3249	17.4	4.8	144	0.0f		6	5	210	0.20	0.54	sx	BUD	19002460	BUD			237
2023/05/16	07:03:54.48	1.02	0.88	47.9590	20.3545f				0.0f		6	5	221	0.20	0.55	kx	BUD_GT	19002461	BUD_GT			243
(locality: Eger-III Hungary)																						
(GT info : GT2 explosion)																						

Magnitude	Err	Nsta	Author	OrigID
				19002461

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU02A	0.20	35.0	Pg	07:03:59.780	0.6					T__		96.3		___	ML	0.8	972225	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.20	35.0	Lg	07:04:01.716	-1.2					T__				---		972226	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=0)																									
PSZ	0.31	262.7	Lg	07:04:06.316	-0.7					T__				---		972227	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	0.33	256.4	Lg	07:04:06.552	-0.8					T__				---		972228	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KECS	0.53	9.4	Lg	07:04:12.617	-0.9					T__				---		972229	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	0.55	12.9	Lg	07:04:14.288	0.2					T__				---		972230	FDSN	Z6	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/16	07:08:57.00	1.93	1.28	48.4755	17.6078	16.9	4.0	125	0.0f		6	4	239	0.24	1.29	sx	BUD	19002462	BUD			298

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.24	245.3	Pg	07:09:02.410	-0.0					T__						972246	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.24	245.3	Lg	07:09:05.660	-1.2					T__						972249	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.39	6.2	Pg	07:09:05.623	0.3					T__		75.1			ML	1.2	972247	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.39	6.2	Lg	07:09:10.626	-1.1					T__						972250	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.2 magdef=1																					
				(Station ML: 1.2 magdef=0																					
KRUC	0.99	306.6	Lg	07:09:30.880	0.2					T__						972251	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
CONA	1.29	245.5	Lg	07:09:40.462	1.5					T__						972248	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/16	08:45:35.85	3.25	0.58	48.3948	19.5440	20.3	6.1	121	0.0f		8	6	265	0.49	0.71	sx	BUD	19002468	BUD			284

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU03A	0.49	175.6	Lg	08:45:53.871	0.0					T__						972329	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.53	153.7	Lg	08:45:55.883	0.1					T__						972330	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	0.56	156.9	Lg	08:45:56.813	0.5					T__						972331	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KECS	0.63	81.6	Lg	08:45:57.626	-0.5					T__						972332	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	0.67	81.0	Pg	08:45:49.446	0.2					T__		48.9			ML	1.6	972328	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.67	81.0	Lg	08:46:00.036	0.7					T__						972335	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.6 magdef=1																					
				(Station ML: 1.6 magdef=1																					
HU02A	0.71	112.2	Pg	08:45:49.811	-0.8					T__		28.8			ML	1.4	972334	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.71	112.2	Lg	08:46:01.935	0.2					T__						972333	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.4 magdef=1																					
				(Station ML: 1.4 magdef=1																					

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/16	08:55:24.94	1.09	0.91	48.5008	21.7034	9.7	4.6	1	0.0f		15	9	130	0.37	1.84	sx	BUD	19002470	BUD			213

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.1	7 BUD	19002470

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.37	236.6	Pg	08:55:33.670	1.0					T__		126.4			ML	1.4	972368	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.37	236.6	Lg	08:55:37.577	-1.6					T__						972374	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.4 magdef=1																					
				(Station ML: 1.4 magdef=0																					
KOLS	0.57	40.9	Lg	08:55:44.805	-0.8					T__						972375	FDSN	SK	--	BUD	iLoc	HHN	???	_	
TRPA	0.67	123.3	Pg	08:55:38.550	0.5					T__		45.0			ML	1.5	972376	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.67	123.3	Lg	08:55:48.044	-1.4					T__						972377	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.5 magdef=1																					
				(Station ML: 1.5 magdef=1																					
JOS	0.77	270.1	Pg	08:55:40.827	0.5					T__		73.2			ML	1.8	972370	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.77	270.1	Lg	08:55:51.235	-0.7					T__						972378	FDSN	Z6	--	BUD	iLoc	HHN	???	_	

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(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
KECS 0.81 269.2 Pg 08:55:41.485 0.4 T__ 406.4 ___ ML 2.6 972371 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.81 269.2 Lg 08:55:52.550 -0.7 T__ ___ 972379 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 2.6 magdef=1
(Station ML: 2.6 magdef=0
HU02A 0.87 244.7 Pg 08:55:42.398 -0.5 T__ 52.5 _d_ ML 1.7 972369 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
PSZ 1.34 245.0 Pn 08:55:50.105 0.0 T__ 56.3 ___ ML 2.0 972381 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 1.34 245.0 Sn 08:56:08.802 -1.3 T__ ___ 972380 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
ET1H 1.37 243.8 Pn 08:55:50.468 0.2 T__ 41.8 ___ ML 1.9 972373 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 1.37 243.8 Sn 08:56:09.896 -0.4 T__ ___ 972372 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
DRGR 1.84 157.9 Sn 08:56:22.577 0.3 T__ ___ 972382 FDSN RO -- BUD iLoc HHN ??? _

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/16	08:57:42.24	2.08	1.06	47.9465	19.6696	12.5	5.6	113	0.0f		8	6	221	0.15	0.80	sx	BUD	19002472	BUD			288

Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
ET1H 0.15 116.3 Pg 08:57:46.068 0.2 T__ 1561.0 _c_ ML 1.9 972414 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.15 116.3 Lg 08:57:47.647 -1.2 T__ ___ 972416 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
PSZ 0.15 100.4 Pg 08:57:47.236 1.1 T__ 1130.7 ___ ML 1.8 972413 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.15 100.4 Lg 08:57:49.619 0.3 T__ ___ 972415 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
HU02A 0.60 72.7 Lg 08:58:03.570 -0.9 T__ ___ 972417 FDSN Z6 00 BUD iLoc HHN ??? _
HU01A 0.60 183.2 Lg 08:58:04.415 -0.3 T__ ___ 972418 FDSN Z6 00 BUD iLoc HHN ??? _
KECS 0.77 45.2 Lg 08:58:08.051 -1.1 T__ ___ 972419 FDSN SK -- BUD iLoc EHN ??? _
JOS 0.80 46.3 Lg 08:58:09.516 -0.8 T__ ___ 972420 FDSN Z6 -- BUD iLoc HHN ??? _

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/16	09:18:40.50	1.58	0.54	47.9125	20.1572	19.2	3.5	156	0.0f		8	5	210	0.18	0.64	sx	BUD	19002474	BUD			236

Magnitude Err Nsta Author OrigID  
ML 1.2 0.2 3 BUD 19002474

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
PSZ 0.18 272.0 Pg 09:18:45.313 0.4 T__ 359.3 ___ ML 1.3 972445 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.18 272.0 Lg 09:18:47.768 -0.7 T__ ___ 972444 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
ET1H 0.20 260.2 Pg 09:18:45.311 0.2 T__ 252.1 ___ ML 1.2 972442 FDSN HU -- BUD iLoc HHZ HHZ _

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ET1H	0.20	260.2	Lg	09:18:48.196	-0.4	T__								972443	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.2 magdef=1)																						
(Station ML: 1.2 magdef=1)																						
HU02A	0.32	49.5	Pg	09:18:47.914	0.3	T__	61.0							972447	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.32	49.5	Lg	09:18:52.662	-0.6	T__								972448	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.0 magdef=1)																						
(Station ML: 1.0 magdef=1)																						
HU03A	0.38	268.9	Lg	09:18:54.311	-0.3	T__								972446	FDSN	Z6	00	BUD	iLoc	HHN	???	_
JOS	0.64	23.5	Lg	09:19:02.892	-0.2	T__								972449	FDSN	Z6	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/16	09:26:26.47	1.39	0.94	48.5287	20.7725	10.1	3.8	11	0.0f		13	8	209	0.16	1.24	sx	BUD	19002476	BUD			228

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.2	5 BUD	19002476

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.16	258.1	Pg	09:26:29.835	-0.0					T__		264.8			ML	1.2	972482	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.16	258.1	Lg	09:26:32.373	-0.2					T__						972483	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
KECS	0.20	256.7	Pg	09:26:30.456	-0.2					T__	3006.5				ML	2.3	972481	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.20	256.7	Lg	09:26:34.455	0.6					T__						972480	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=0)																									
ABAH	0.39	126.6	Pg	09:26:34.802	0.3					T__	78.5				ML	1.3	972487	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.39	126.6	Lg	09:26:40.316	-1.0					T__						972486	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
HU02A	0.44	202.2	Pg	09:26:35.660	-0.2					T__	34.7				ML	1.1	972484	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.44	202.2	Lg	09:26:43.402	0.4					T__						972485	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=0)																									
PSZ	0.85	224.2	Lg	09:26:57.224	0.1					T__						972488	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	0.89	223.2	Lg	09:26:57.954	-0.1					T__						972489	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU03A	1.00	231.9	Pn	09:26:47.329	0.7					T__	83.8				ML	2.0	972491	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU03A	1.00	231.9	Sn	09:27:01.426	-1.1					T__						972490	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
TRPA	1.24	108.0	Sn	09:27:06.611	-2.3					T__						972492	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/16	10:00:00.51	1.00	0.84	48.1952	16.9248	7.0	4.7	155	0.0f		8	6	131	0.12	0.94	sx	BUD	19002478	BUD			167

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
ZST	0.12	89.5	Pg	10:00:03.834	0.3					T__						972518	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.12	89.5	Lg	10:00:05.496	-0.6					T__						972521	FDSN	SK	--	BUD	iLoc	HHN	???	_
MODS	0.30	52.7	Pg	10:00:07.230	0.2					T__						972520	FDSN	SK	--	BUD	iLoc	HHZ	???	_

MODS	0.30	52.7	Lg	10:00:11.539	-0.7	T__									972519	FDSN	SK	--	BUD	iLoc	HHN	???	_
RONA	0.65	220.7	Lg	10:00:21.715	-0.5	T__									972522	FDSN	OE	--	BUD	iLoc	HHN	???	_
CONA	0.76	249.9	Lg	10:00:25.405	-0.2	T__									972523	FDSN	OE	--	BUD	iLoc	HHN	???	_
JAVC	0.83	36.5	Pn	10:00:20.529	1.5	T__				64.8			ML	1.8	972524	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
		(Reading ML: 1.8 magdef=1																					
		(Station ML: 1.8 magdef=0																					
KRUC	0.94	338.1	Lg	10:00:32.077	-0.3	T__									972525	FDSN	CZ	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/16	14:55:10.65	1.03	0.52	47.7101	16.0045	6.9	4.5	34	7.0f	6	4	122	0.20	1.08	ke	BUD	19002482	BUD				243

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
RONA	0.20	92.9	Pg	14:55:15.018	0.0					T__						972618	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.20	92.9	Lg	14:55:18.044	0.0					T__						972620	FDSN	OE	--	BUD	iLoc	HHN	???	_
CONA	0.24	336.3	Pg	14:55:15.776	0.0					T__	66.9			ML	0.8	972616	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.24	336.3	Lg	14:55:19.281	-0.0					T__						972617	FDSN	OE	--	BUD	iLoc	HHN	???	_
		(Reading ML: 0.8 magdef=1																						
		(Station ML: 0.8 magdef=0																						
ARSA	0.56	215.6	Lg	14:55:28.813	-0.0					T__						972619	FDSN	OE	--	BUD	iLoc	HHN	???	_
MODS	1.08	51.7	Sn	14:55:46.435	-0.9					T__						972621	FDSN	SK	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/05/16	17:37:56.83	0.86	0.70	47.7203	16.0109	4.5	3.6	28	3.7	14.2	20	13	99	0.19	1.64	ke	BUD	19002484	BUD				142

Magnitude Err Nsta Author OrigID  
ML 2.0 0.1 5 BUD 19002484

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.19	96.0	Pg	17:38:00.958	-0.0					T__						972655	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.19	96.0	Lg	17:38:03.898	0.0					T__						972656	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.23	334.3	Pg	17:38:01.634	-0.0					T__	225.7			ML	1.3	972658	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_	
CONA	0.23	334.3	Lg	17:38:05.331	0.3					T__						972657	FDSN	OE	--	BUD	iLoc	HHN	???	_	
		(Reading ML: 1.3 magdef=1																							
		(Station ML: 1.3 magdef=0																							
SOP	0.37	95.5	Pg	17:38:04.172	-0.2					T__	129.1			_c_	ML	1.4	972659	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.37	95.5	Lg	17:38:09.266	-0.2					T__						972660	FDSN	HU	--	BUD	iLoc	HHN	???	_	
		(Reading ML: 1.4 magdef=1																							
		(Station ML: 1.4 magdef=1																							
ARSA	0.57	215.3	Pg	17:38:07.550	-0.4					T__	137.7			ML	2.0	972661	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_	
ARSA	0.57	215.3	Lg	17:38:15.054	-0.2					T__						972662	FDSN	OE	--	BUD	iLoc	HHN	???	_	
		(Reading ML: 2.0 magdef=1																							
		(Station ML: 2.0 magdef=1																							
MODS	1.07	52.0	Pn	17:38:18.104	-0.0					T__						972663	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	1.07	52.0	Sn	17:38:33.697	-0.2					T__						972664	FDSN	SK	--	BUD	iLoc	HHN	???	_	
MPLH	1.17	117.4	Sn	17:38:34.756	-1.0					T__						972665	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOGS	1.28	172.6	Lg	17:38:39.648	1.6					T__						972674	FDSN	SL	--	BUD	iLoc	BHN	???	_	
HU08A	1.33	101.9	Sn	17:38:39.065	-0.5					T__						972666	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KRUC	1.37	10.7	Pn	17:38:22.121	-0.1					T__	60.1			ML	2.0	972667	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_	

```

KRUC 1.37 10.7 Sn 17:38:40.307 -0.3 T__ --- 972668 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
CKRC 1.58 314.7 Lg 17:38:47.465 -0.3 T__ --- 972670 FDSN CZ -- BUD iLoc HHN ??? _
JAVC 1.59 43.6 Lg 17:38:50.021 -0.1 T__ --- 972669 FDSN CZ -- BUD iLoc HHN ??? _
TREC 1.61 347.7 Pn 17:38:26.795 1.1 T__ 88.7 --- ML 2.3 972672 FDSN CZ -- BUD iLoc HHZ HHZ _
TREC 1.61 347.7 Sn 17:38:47.903 1.4 T__ --- 972671 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=0
VRAC 1.64 13.5 Sn 17:38:47.903 0.6 T__ --- 972673 FDSN CZ -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/05/17 00:50:47.72 0.90 0.82 47.5504 20.0247 4.4 3.4 122 12.0f 12 8 87 0.18 1.11 ke BUD 19002488 BUD 174

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Magnitude Err Nsta Author OrigID
ML 1.3 0.1 4 BUD 19002488

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU23A 0.18 59.7 Pg 00:50:52.382 0.2 T__ 267.1 _d ML 1.2 972865 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU23A 0.18 59.7 Lg 00:50:56.513 1.1 T__ --- 972868 FDSN Z6 00 BUD iLoc HHE ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
BSZH 0.30 146.7 Lg 00:50:59.267 -0.2 T__ --- 972869 FDSN HU -- BUD iLoc HHN ??? _
HU01A 0.34 233.3 Pg 00:50:55.225 -0.3 T__ 109.4 --- ML 1.3 972867 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU01A 0.34 233.3 Lg 00:51:01.229 0.3 T__ --- 972870 FDSN Z6 00 BUD iLoc HHE ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
ET1H 0.34 342.6 Lg 00:51:00.712 -0.1 T__ --- 972871 FDSN HU -- BUD iLoc HHN ??? _
PSZ 0.38 346.6 Pg 00:50:56.236 0.0 T__ 37.9 --- ML 0.9 972863 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.38 346.6 Lg 00:51:02.203 -0.1 T__ --- 972864 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=1
HU03A 0.46 321.1 Lg 00:51:05.055 0.8 T__ --- 972872 FDSN Z6 00 BUD iLoc HHN ??? _
HU02A 0.66 30.3 Pg 00:51:00.729 -0.8 T__ 27.1 --- ML 1.3 972866 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.66 30.3 Lg 00:51:09.884 -1.5 T__ --- 972873 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
ABAH 1.11 47.2 Sn 00:51:24.260 1.2 T__ --- 972874 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/05/17 07:44:37.13 1.45 0.28 47.7751 19.7607 9.2 4.3 13 0.0f 10 7 207 0.13 0.89 sx BUD 19002492 BUD 279

```

```

Magnitude Err Nsta Author OrigID
ML 1.1 0.0 3 BUD 19002492

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
ET1H 0.13 35.6 Pg 07:44:40.581 0.2 T__ 315.8 --- ML 1.2 972970 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.13 35.6 Lg 07:44:42.838 -0.2 T__ --- 972976 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1

```

HU03A	0.17	319.9	Pg	07:44:41.178	0.1	T__				167.9	___	ML	1.0	972973	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.17	319.9	Lg	07:44:44.031	-0.2	T__					---			972975	FDSN	Z6	00	BUD	iLoc	HHN	???	_
				(Reading ML: 1.0 magdef=1)																		
				(Station ML: 1.0 magdef=1)																		
PSZ	0.17	32.1	Pg	07:44:41.497	0.1	T__				226.7	___	ML	1.1	972972	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.17	32.1	Lg	07:44:44.989	0.1	T__					---			972971	FDSN	GE	--	BUD	iLoc	HHN	???	_
				(Reading ML: 1.1 magdef=1)																		
				(Station ML: 1.1 magdef=1)																		
HU23A	0.36	112.2	Lg	07:44:50.725	-0.3	T__					---			972977	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU02A	0.62	55.7	Lg	07:45:00.042	-0.1	T__					---			972974	FDSN	Z6	00	BUD	iLoc	HHN	???	_
KECS	0.86	34.2	Lg	07:45:06.829	-0.5	T__					---			972978	FDSN	SK	--	BUD	iLoc	EHN	???	_
JOS	0.89	35.6	Lg	07:45:08.008	-0.3	T__					---			972979	FDSN	Z6	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/17	07:56:20.06	1.04	1.71	46.0609	22.8117	10.5	4.5	73	0.0f		7	4	137	0.19	0.95	sx	BUD	19002494	BUD			249

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.0	3 BUD	19002494

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DEV	0.19	160.2	Pg	07:56:23.740	0.1					T__		1061.6		___	ML	1.9	973003	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.19	160.2	Lg	07:56:26.146	-0.2					T__				---		973002	FDSN	RO	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.9 magdef=1)																					
				(Station ML: 1.9 magdef=1)																					
DRGR	0.73	354.6	Pg	07:56:35.642	0.8					T__		82.6		___	ML	1.8	973004	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	0.73	354.6	Lg	07:56:43.567	-3.2					T__				---		973008	FDSN	RO	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.8 magdef=1)																					
				(Station ML: 1.8 magdef=1)																					
LOT	0.91	132.1	Pg	07:56:38.117	0.6					T__		76.9		___	ML	1.9	973007	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
LOT	0.91	132.1	Lg	07:56:50.040	-0.7					T__				---		973006	FDSN	RO	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.9 magdef=1)																					
				(Station ML: 1.9 magdef=1)																					
BZS	0.95	242.4	Lg	07:56:51.658	-0.2					T__				---		973005	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/17	09:25:19.61	1.26	1.25	47.2901	18.2876	9.3	5.2	80	0.0f		6	5	106	0.08	1.22	sx	BUD	19002496	BUD			196

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.08	345.9	Pg	09:25:22.398	0.6					T__		224.0		___	ML	0.9	973028	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.08	345.9	Lg	09:25:22.989	-1.0					T__				---		973029	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 0.9 magdef=1)																					
				(Station ML: 0.9 magdef=0)																					
HU08A	0.28	299.9	Lg	09:25:29.743	-1.3					T__				---		973030	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.52	257.0	Lg	09:25:39.018	0.3					T__				---		973031	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MORH	1.10	167.1	Lg	09:25:56.626	-0.9					T__				---		973032	FDSN	HU	--	BUD	iLoc	HHN	???	_	
ET1H	1.22	60.6	Sn	09:26:00.501	-0.8					T__				---		973033	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/17	09:29:03.00	1.24	0.90	48.3121	19.8799	8.6	3.8	121	0.0f	11	8	169	0.39	1.14	sx	BUD	19002498	BUD				221

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.2	4 BUD	19002498

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.39	178.6	Pg	09:29:12.114	0.4					T__		360.3		___	ML	2.0	973057	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.39	178.6	Lg	09:29:17.416	-0.8					T__				---		973059	FDSN	GE	--	BUD	iLoc	HNN	???	_	
				(Reading ML: 2.0 magdef=1)																					
				(Station ML: 2.0 magdef=1)																					
ET1H	0.43	180.8	Lg	09:29:18.918	-0.2					T__				---		973061	FDSN	HU	--	BUD	iLoc	HNN	???	_	
KECS	0.44	66.8	Pg	09:29:12.800	0.9					T__		654.5		---	ML	2.3	973060	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
				(Reading ML: 2.3 magdef=1)																					
				(Station ML: 2.3 magdef=1)																					
HU03A	0.45	204.8	Lg	09:29:19.332	-0.2					T__				---		973062	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
HU02A	0.47	113.5	Pg	09:29:13.179	0.2					T__		104.8		---	ML	1.6	973058	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.47	113.5	Lg	09:29:20.099	-0.6					T__				---		973065	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
				(Reading ML: 1.6 magdef=1)																					
				(Station ML: 1.6 magdef=1)																					
JOS	0.48	67.0	Pg	09:29:13.331	0.7					T__		160.6		---	ML	1.8	973064	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.48	67.0	Lg	09:29:19.718	-0.2					T__				---		973063	FDSN	Z6	--	BUD	iLoc	HNN	???	_	
				(Reading ML: 1.8 magdef=1)																					
				(Station ML: 1.8 magdef=1)																					
ABAH	0.91	90.5	Lg	09:29:34.219	-1.0					T__				---		973066	FDSN	HU	--	BUD	iLoc	HNN	???	_	
NIE	1.14	13.9	Lg	09:29:39.592	-1.7					T__				---		973067	FDSN	PL	--	BUD	iLoc	BHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/17	10:55:46.75	1.08	0.93	46.5138	22.5731	10.4	4.9	107	0.0f	8	5	161	0.29	1.35	sx	BUD	19002500	BUD				216

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.3	3 BUD	19002500

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DRGR	0.29	18.8	Pg	10:55:53.186	0.2					T__		160.8		___	ML	1.3	973094	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	0.29	18.8	Lg	10:55:57.274	-0.8					T__				---		973095	FDSN	RO	--	BUD	iLoc	HNN	???	_	
				(Reading ML: 1.3 magdef=1)																					
				(Station ML: 1.3 magdef=1)																					
CJR	0.73	73.9	Lg	10:56:12.912	0.2					T__				---		973096	FDSN	RO	--	BUD	iLoc	HNN	???	_	
BZS	1.12	216.9	Pg	10:56:08.522	0.1					T__		24.8		---	ML	1.5	973098	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	1.12	216.9	Lg	10:56:24.107	0.1					T__				---		973097	FDSN	RO	--	BUD	iLoc	HNN	???	_	
				(Reading ML: 1.5 magdef=1)																					
				(Station ML: 1.5 magdef=1)																					
GZR	1.13	172.7	Lg	10:56:23.378	-0.6					T__				---		973093	FDSN	RO	--	BUD	iLoc	HNN	???	_	
LOT	1.35	141.5	Pg	10:56:13.028	0.5					T__		73.8		---	ML	2.1	973100	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
LOT	1.35	141.5	Lg	10:56:30.402	-1.7					T__				---		973099	FDSN	RO	--	BUD	iLoc	HNN	???	_	
				(Reading ML: 2.1 magdef=1)																					
				(Station ML: 2.1 magdef=1)																					

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
------	------	-----	-----	----------	-----------	------	------	----	-------	-----	------	------	-----	-------	-------	------	--------	--------	-----	-------	-----	-----



2023/05/18 04:34:54.81 1.24 0.46 47.6718 16.0425 5.5 4.2 10 6.4 22.8 10 6 114 0.17 1.41 ke BUD 19002504 BUD 218

Magnitude Err Nsta Author OrigID  
ML 1.1 0.7 3 BUD 19002504

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
RONA	0.17	80.7	Pg	04:34:58.848	0.2					T__						975693	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.17	80.7	Lg	04:35:01.446	0.0					T__						975692	FDSN	OE	--	BUD	iLoc	HHN	???	_
CONA	0.28	334.7	Pg	04:35:00.885	0.1					T__		39.3			ML 0.7	975690	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.28	334.7	Lg	04:35:04.568	-0.3					T__						975691	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 0.7 magdef=1)																								
(Station ML: 0.7 magdef=1)																								
SOP	0.35	87.9	Pg	04:35:02.088	0.1					T__		73.4			ML 1.1	975694	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.35	87.9	Lg	04:35:06.303	-0.5					T__						975697	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.1 magdef=1)																								
(Station ML: 1.1 magdef=1)																								
ARSA	0.55	220.1	Pg	04:35:05.469	-0.1					T__		61.0			ML 1.6	975695	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
ARSA	0.55	220.1	Lg	04:35:12.581	0.1					T__						975698	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1)																								
(Station ML: 1.6 magdef=1)																								
MPLH	1.13	115.7	Sn	04:35:32.436	0.2					T__						975699	FDSN	HU	--	BUD	iLoc	HHN	???	_
KRUC	1.41	9.5	Sn	04:35:40.109	0.9					T__						975696	FDSN	CZ	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/18	07:35:19.35	3.39	0.57	47.9360	19.2909	28.6	18.8	11	0.0f		8	5	317	0.39	1.01	sx	BUD	19002506	BUD			322
2023/05/18	07:35:16.60	1.03	1.29	47.8327	19.1394f				0.0f		8	5	329	0.50	1.15	kx	BUD_GT	19002507	BUD_GT			333

(locality: Sejce-Vác Hungary)  
(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID  
ML 1.5 0.3 4 BUD\_GT 19002507

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
ET1H	0.50	84.3	Pg	07:35:27.903	0.6					T__		30.1			ML 1.2	975729	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.50	84.3	Lg	07:35:34.582	-0.4					T__						975728	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.2 magdef=1)																								
(Station ML: 1.2 magdef=1)																								
PSZ	0.52	80.1	Lg	07:35:34.959	-1.2					T__						975730	FDSN	GE	--	BUD	iLoc	HHN	???	_
HU02A	0.98	72.2	Pn	07:35:36.932	0.4					T__		24.3			ML 1.4	975724	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.98	72.2	Lg	07:35:50.175	-2.0					T__						975731	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.4 magdef=1)																								
(Station ML: 1.4 magdef=1)																								
KECS	1.11	53.7	Pn	07:35:39.852	1.5					T__		102.2			ML 2.1	975725	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Reading ML: 2.1 magdef=1)																								
(Station ML: 2.1 magdef=1)																								
JOS	1.15	54.2	Pn	07:35:40.031	1.2					T__		25.3			ML 1.5	975726	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	1.15	54.2	Sn	07:35:55.020	-1.4					T__						975727	FDSN	Z6	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.5 magdef=1)																								
(Station ML: 1.5 magdef=1)																								

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/18	08:36:48.36	0.83	1.33	47.7043	18.5833	4.5	2.9	167	0.0f	20	13	99	0.15	1.49	sx	BUD	19002508	BUD				123

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.2	7 BUD	19002508

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L			
HU09A	0.15	244.3	Pg	08:36:52.063	0.2					T__		3318.1		___	ML	2.2	975773	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_		
HU09A	0.15	244.3	Lg	08:36:54.064	-1.0					T__				---		975777	FDSN	Z6	00	BUD	iLoc	HHN	???	_			
				(Reading ML: 2.2 magdef=1																							
				(Station ML: 2.2 magdef=1																							
SR0	0.21	301.0	Pg	08:36:53.813	0.7					T__		7093.9		---	ML	2.7	975774	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_		
SR0	0.21	301.0	Lg	08:36:57.092	-0.1					T__				---		975778	FDSN	SK	--	BUD	iLoc	EHN	???	_			
				(Reading ML: 2.7 magdef=1																							
				(Station ML: 2.7 magdef=0																							
BUD	0.37	126.4	Lg	08:37:02.068	-0.8					T__				---		975779	FDSN	HU	--	BUD	iLoc	HHN	???	_			
CSKK	0.41	212.8	Pg	08:36:57.464	0.6					T__		328.3		---	ML	1.9	975775	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
CSKK	0.41	212.8	Lg	08:37:01.935	-2.1					T__				---		975780	FDSN	HU	--	BUD	iLoc	HHN	???	_			
				(Reading ML: 1.9 magdef=1																							
				(Station ML: 1.9 magdef=1																							
HU08A	0.52	238.8	Lg	08:37:07.196	-0.6					T__				---		975781	FDSN	Z6	00	BUD	iLoc	HHN	???	_			
HU03A	0.71	73.4	Pg	08:37:04.005	0.7					T__		54.8		---	ML	1.6	975783	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_		
HU03A	0.71	73.4	Lg	08:37:13.543	-0.6					T__				---		975782	FDSN	Z6	00	BUD	iLoc	HHN	???	_			
				(Reading ML: 1.6 magdef=1																							
				(Station ML: 1.6 magdef=0																							
ET1H	0.89	78.1	Lg	08:37:19.215	-1.0					T__				---		975785	FDSN	HU	--	BUD	iLoc	HHN	???	_			
MPLH	0.89	233.4	Pg	08:37:07.782	1.6					T__		85.6		---	ML	1.9	975776	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
MPLH	0.89	233.4	Lg	08:37:18.300	-1.0					T__				---		975784	FDSN	HU	--	BUD	iLoc	HHN	???	_			
				(Reading ML: 1.9 magdef=1																							
				(Station ML: 1.9 magdef=1																							
PSZ	0.91	75.9	Lg	08:37:19.584	-1.8					T__				---		975786	FDSN	GE	--	BUD	iLoc	HHN	???	_			
MODS	1.10	307.9	Lg	08:37:25.432	-2.1					T__				---		975787	FDSN	SK	--	BUD	iLoc	HHN	???	_			
JAVC	1.31	332.5	Sn	08:37:33.116	-0.2					T__				---		975788	FDSN	CZ	--	BUD	iLoc	HHN	???	_			
HU02A	1.37	71.5	Pn	08:37:16.117	2.3					T__		72.6		---	ML	2.1	975789	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_		
HU02A	1.37	71.5	Sn	08:37:35.535	1.6					T__				---		975790	FDSN	Z6	00	BUD	iLoc	HHN	???	_			
				(Reading ML: 2.1 magdef=1																							
				(Station ML: 2.1 magdef=1																							
MORH	1.49	178.4	Pn	08:37:16.451	1.3					T__		31.2		---	ML	1.8	975792	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
MORH	1.49	178.4	Sn	08:37:35.699	-0.6					T__				---		975791	FDSN	HU	--	BUD	iLoc	HHN	???	_			
				(Reading ML: 1.8 magdef=1																							
				(Station ML: 1.8 magdef=1																							

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/18	09:05:22.91	1.13	0.93	48.5212	20.7650	7.8	3.5	8	0.0f	16	10	85	0.15	1.25	sx	BUD	19002510	BUD				166

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.3	8 BUD	19002510

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L			
JOS	0.15	260.5	Pg	09:05:26.018	-0.2					T__		400.4		---	ML	1.3	975839	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_		
JOS	0.15	260.5	Lg	09:05:29.276	0.5					T__				---		975845	FDSN	Z6	--	BUD	iLoc	HHN	???	_			
				(Reading ML: 1.3 magdef=1																							

```

(Station ML: 1.3 magdef=1
KECS 0.19 258.5 Pg 09:05:26.529 -0.4 T__ 1054.0 --- ML 1.9 975837 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.19 258.5 Lg 09:05:30.468 0.4 T__ --- 975838 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
ABAH 0.39 125.3 Pg 09:05:31.362 0.4 T__ 75.7 --- ML 1.3 975841 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.39 125.3 Lg 09:05:36.792 -0.9 T__ --- 975846 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
HU02A 0.43 201.9 Pg 09:05:31.532 -0.6 T__ 41.4 --- ML 1.1 975840 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.43 201.9 Lg 09:05:39.048 -0.1 T__ --- 975847 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=0
PSZ 0.84 224.3 Pg 09:05:41.560 0.9 T__ 67.8 --- ML 1.8 975849 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.84 224.3 Lg 09:05:52.461 -0.8 T__ --- 975848 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
ET1H 0.88 223.3 Pn 09:05:41.497 0.1 T__ 38.3 --- ML 1.6 975843 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.88 223.3 Lg 09:05:54.911 0.7 T__ --- 975842 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
NIE 0.95 341.3 Pn 09:05:42.604 -0.0 T__ 15.3 --- ML 1.2 975844 FDSN PL -- BUD iLoc BHZ BHZ _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
HU03A 0.99 232.0 Pn 09:05:44.406 1.5 T__ 84.2 --- ML 2.0 975850 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=0
KOLS 1.08 67.0 Lg 09:05:58.826 -1.4 T__ --- 975851 FDSN SK -- BUD iLoc HHN ??? _
TRPA 1.25 107.6 Sn 09:06:03.663 -1.7 T__ --- 975852 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/05/18 09:19:58.34 0.93 0.96 48.4118 17.3411 6.3 3.4 112 0.0f 16 10 132 0.06 1.37 sx BUD 19002512 BUD 190

```

```

Magnitude Err Nsta Author OrigID
ML 1.8 0.0 5 BUD 19002512

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
MODS 0.06 228.0 Pg 09:20:00.106 -0.1 T__ _c_ 975896 FDSN SK -- BUD iLoc HHZ ??? _
MODS 0.06 228.0 Lg 09:20:00.979 -1.0 T__ --- 975902 FDSN SK -- BUD iLoc HHN ??? _
ZST 0.27 216.5 Lg 09:20:07.856 -1.0 T__ --- 975897 FDSN SK -- BUD iLoc HHN ??? _
JAVC 0.50 25.9 Pg 09:20:10.070 1.2 T__ 277.8 --- ML 2.1 975898 FDSN CZ -- BUD iLoc HHZ HHZ _
JAVC 0.50 25.9 Lg 09:20:15.436 -1.5 T__ --- 975899 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=0
SOP 0.90 216.1 Lg 09:20:28.904 0.8 T__ --- 975903 FDSN HU -- BUD iLoc HHN ??? _
KRUC 0.90 316.4 Pg 09:20:15.308 -0.4 T__ 56.7 --- ML 1.8 975901 FDSN CZ -- BUD iLoc HHZ HHZ _
KRUC 0.90 316.4 Lg 09:20:28.041 -1.0 T__ --- 975900 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
RONA 1.00 224.9 Pg 09:20:17.392 -0.8 T__ --- 975905 FDSN OE -- BUD iLoc HHZ ??? _
RONA 1.00 224.9 Lg 09:20:32.722 1.5 T__ --- 975904 FDSN OE -- BUD iLoc HHN ??? _
VRAC 1.02 331.5 Pg 09:20:18.359 0.6 T__ 13.8 --- ML 1.2 975906 FDSN CZ -- BUD iLoc HHZ HHZ _

```

```

(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=0
HU08A 1.06 158.0 Lg 09:20:34.633 -1.0 T__ --- 975909 FDSN Z6 00 BUD iLoc HHN ??? _
CONA 1.10 244.5 Pg 09:20:20.029 -0.0 T__ 48.9 --- ML 1.8 975907 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 1.10 244.5 Lg 09:20:34.848 0.5 T__ --- 975908 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
MORC 1.37 5.5 Pg 09:20:24.128 0.3 T__ 37.0 --- ML 1.8 975911 FDSN CZ -- BUD iLoc HHZ HHZ _
MORC 1.37 5.5 Lg 09:20:43.121 0.1 T__ --- 975910 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1

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```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/05/18 09:34:27.48 1.32 1.06 48.5051 17.5725 11.3 3.4 119 0.0f 11 6 215 0.24 1.28 sx BUD 19002514 BUD 279

```

```

Magnitude Err Nsta Author OrigID
ML 1.4 0.3 3 BUD 19002514

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
MODS 0.24 236.3 Pg 09:34:32.618 -0.2 T__ --- 975942 FDSN SK -- BUD iLoc HHZ ??? _
MODS 0.24 236.3 Lg 09:34:35.365 -1.8 T__ --- 975947 FDSN SK -- BUD iLoc HHN ??? _
JAVC 0.36 10.4 Pg 09:34:35.386 0.1 T__ 80.5 --- ML 1.2 975944 FDSN CZ -- BUD iLoc HHZ HHZ _
JAVC 0.36 10.4 Lg 09:34:40.496 -0.8 T__ --- 975943 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
ZST 0.44 225.6 Lg 09:34:42.776 -1.0 T__ --- 975948 FDSN SK -- BUD iLoc HHN ??? _
KRUC 0.96 306.0 Pg 09:34:46.713 0.9 T__ 22.8 --- ML 1.4 975945 FDSN CZ -- BUD iLoc HHZ HHZ _
KRUC 0.96 306.0 Lg 09:34:59.190 -0.7 T__ --- 975949 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
RONA 1.18 227.2 Pg 09:34:51.536 0.8 T__ --- 975946 FDSN OE -- BUD iLoc HHZ ??? _
RONA 1.18 227.2 Lg 09:35:06.994 1.0 T__ --- 975950 FDSN OE -- BUD iLoc HHN ??? _
CONA 1.28 243.9 Pn 09:34:52.384 0.0 T__ 34.9 --- ML 1.8 975952 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 1.28 243.9 Lg 09:35:10.354 1.1 T__ --- 975951 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/05/18 10:50:36.92 0.98 1.46 48.8206 21.5856 9.4 4.1 161 0.0f 12 8 130 0.47 1.48 sx BUD 19002516 BUD 191

```

```

Magnitude Err Nsta Author OrigID
ML 1.4 0.2 3 BUD 19002516

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
KOLS 0.47 75.8 Pg 10:50:46.056 0.0 T__ --- 975986 FDSN SK -- BUD iLoc HHZ ??? _
KOLS 0.47 75.8 Lg 10:50:54.828 1.0 T__ --- 975987 FDSN SK -- BUD iLoc HHN ??? _
ABAH 0.57 203.8 Lg 10:50:57.325 -0.7 T__ --- 975988 FDSN HU -- BUD iLoc HHN ??? _
JOS 0.77 245.3 Pg 10:50:52.462 0.4 T__ 25.3 --- ML 1.3 975980 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.77 245.3 Lg 10:51:03.491 -0.1 T__ --- 975989 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1

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```

(Station ML: 1.3 magdef=1
KECS 0.80 245.6 Pg 10:50:53.910 1.0 T__ 90.2 --- ML 1.9 975981 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.80 245.6 Lg 10:51:04.173 -0.7 T__ --- 975990 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
TRPA 0.94 137.1 Lg 10:51:08.529 -1.5 T__ --- 975991 FDSN HU -- BUD iLoc HHN ??? _
HU02A 0.99 225.7 Pn 10:50:56.210 -0.9 T__ 24.6 --- ML 1.4 975983 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.99 225.7 Lg 10:51:10.347 -1.8 T__ --- 975982 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
NIE 1.04 305.8 Lg 10:51:10.518 -1.3 T__ --- 975985 FDSN PL -- BUD iLoc BHN ??? _
ET1H 1.48 231.2 Sn 10:51:27.806 2.8 T__ --- 975984 FDSN HU -- BUD iLoc HHN ??? _

```

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/19	06:34:50.45	1.29	0.73	48.0070	20.3472	15.4	3.4	144	0.0f	8	5	202	0.17	0.51	sx	BUD	19002520	BUD				233
2023/05/19	06:34:50.01	0.95	1.06	47.9590	20.3545f				0.0f	8	5	221	0.20	0.55	kx	BUD_GT	19002521	BUD_GT				243

(locality: Eger-III Hungary)  
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
ML	1.0	0.0	3 BUD_GT	19002521

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
HU02A	0.20	35.0	Pg	06:34:54.668	-0.0					T__		156.9		---	ML	1.0 982832	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_		
HU02A	0.20	35.0	Lg	06:34:57.188	-1.3					T__				---		982833	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 1.0 magdef=1)																										
(Station ML: 1.0 magdef=1)																										
PSZ	0.31	262.7	Pg	06:34:57.891	0.8					T__		65.3		---	ML	1.0 982834	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_		
PSZ	0.31	262.7	Lg	06:35:02.474	-0.1					T__				---		982835	FDSN	GE	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.0 magdef=1)																										
(Station ML: 1.0 magdef=1)																										
ET1H	0.33	256.4	Pg	06:34:58.539	1.1					T__		53.2		---	ML	1.0 982836	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
ET1H	0.33	256.4	Lg	06:35:03.040	0.1					T__				---		982837	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.0 magdef=1)																										
(Station ML: 1.0 magdef=1)																										
KECS	0.53	9.4	Lg	06:35:08.447	-0.6					T__				---		982838	FDSN	SK	--	BUD	iLoc	EHN	???	_		
JOS	0.55	12.9	Lg	06:35:07.634	-2.0					T__				---		982839	FDSN	Z6	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/19	08:41:45.58	1.02	0.99	46.1465	18.2988	10.7	3.7	158	0.0f	6	4	173	0.15	1.15	sx	BUD	19002522	BUD				259

Magnitude	Err	Nsta	Author	OrigID
-----------	-----	------	--------	--------

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
KOVH	0.15	247.3	Pg	08:41:49.353	0.1					T__		428.2		---	ML	1.3 983623	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
KOVH	0.15	247.3	Lg	08:41:52.092	-0.1					T__				---		983624	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.3 magdef=1)																										
(Station ML: 1.3 magdef=1)																										
MORH	0.25	73.9	Pg	08:41:51.439	0.3					T__		112.2		---	ML	1.0 983622	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
MORH	0.25	73.9	Lg	08:41:54.836	-0.8					T__				---		983625	FDSN	HU	--	BUD	iLoc	HHN	???	_		

```

(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=1
A266A 0.38 356.4 Lg 08:41:59.744 -0.2 T__ --- 983626 FDSN Z6 00 BUD iLoc HHN ??? _
MPLH 1.15 333.2 Sn 08:42:26.340 1.5 T__ --- 983627 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/05/19 09:30:20.23 1.35 0.93 48.4673 20.7508 9.0 5.7 26 0.0f 8 6 196 0.14 0.83 sx BUD 19002524 BUD 282

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
JOS 0.14 281.5 Pg 09:30:23.390 0.1 T__ 343.7 --- ML 1.2 984179 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.14 281.5 Lg 09:30:26.092 0.3 T__ --- 984178 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
KECS 0.18 275.2 Pg 09:30:23.846 -0.2 T__ 1499.1 --- ML 2.0 984176 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.18 275.2 Lg 09:30:27.133 0.1 T__ --- 984177 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
ABAH 0.37 117.6 Lg 09:30:34.290 -0.1 T__ --- 984180 FDSN HU -- BUD iLoc HHN ??? _
HU02A 0.38 203.7 Lg 09:30:35.569 0.9 T__ --- 984181 FDSN Z6 00 BUD iLoc HHN ??? _
PSZ 0.79 226.5 Lg 09:30:47.363 -1.7 T__ --- 984182 FDSN GE -- BUD iLoc HHN ??? _
ET1H 0.83 225.3 Lg 09:30:50.598 0.6 T__ --- 984183 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/05/19 09:47:50.15 1.05 0.34 47.9404 16.0795 7.0 4.4 31 0.0f 6 3 138 0.15 1.14 sx BUD 19002526 BUD 254

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CONA 0.15 265.3 Pg 09:47:53.344 0.0 T__ 116.8 --- ML 0.8 984202 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.15 265.3 Lg 09:47:55.572 -0.0 T__ --- 984205 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 0.8 magdef=1
(Station ML: 0.8 magdef=1
RONA 0.28 148.7 Pg 09:47:56.065 0.0 T__ --- 984203 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.28 148.7 Lg 09:47:59.972 -0.1 T__ --- 984206 FDSN OE -- BUD iLoc HHN ??? _
KRUC 1.14 10.5 Pg 09:48:12.434 0.4 T__ 24.2 --- ML 1.5 984204 FDSN CZ -- BUD iLoc HHZ HHZ _
KRUC 1.14 10.5 Lg 09:48:28.466 -0.4 T__ --- 984207 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/05/19 09:53:30.35 2.30 1.39 47.2601 18.2396 16.9 7.1 140 0.0f 5 4 176 0.10 1.18 sx BUD 19002528 BUD 251
2023/05/19 09:53:29.56 1.05 0.73 47.2302 18.2835f 0.0f 5 4 193 0.13 1.15 kx BUD_GT 19002529 BUD_GT 270

```

(locality: Iszkaszentgyörgy Hungary)  
(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.13	353.3	Pg	09:53:33.423	0.5					T__		311.0		---	ML	1.2	984241	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.13	353.3	Lg	09:53:34.920	-1.1					T__				---		984242	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=0)																									
HU08A	0.32	309.6	Lg	09:53:41.520	-0.6					T__				---		984244	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.51	263.5	Lg	09:53:47.717	-0.5					T__				---		984245	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOVH	1.15	186.4	Sn	09:54:08.769	-0.2					T__				---		984243	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/19	09:58:26.76	0.98	0.64	47.9214	16.0528	6.1	4.0	17	0.0f		8	5	98	0.13	1.16	sx	BUD	19002530	BUD			162

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.13	273.1	Pg	09:58:29.908	0.3					T__		181.6		_c_	ML	0.9	984265	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.13	273.1	Lg	09:58:31.259	-0.4					T__				---		984270	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
RONA	0.28	143.4	Pg	09:58:32.921	0.4					T__				---		984266	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.28	143.4	Lg	09:58:36.025	-0.5					T__				---		984271	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.76	208.3	Lg	09:58:50.505	-0.6					T__				---		984267	FDSN	OE	--	BUD	iLoc	HHN	???	_	
MODS	0.94	60.7	Lg	09:58:59.942	-0.3					T__				---		984272	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KRUC	1.16	11.2	Pg	09:58:49.080	-0.0					T__		22.2		---	ML	1.5	984269	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.16	11.2	Sn	09:59:05.368	-1.0					T__				---		984268	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/19	12:35:37.77	2.62	1.29	45.5025	16.3053	18.0	10.7	172	10.0f		9	7	233	0.39	1.78	ke	BUD	19002534	BUD			259

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ZAG	0.39	325.6	Lg	12:35:52.799	1.5					T__				---		985588	FDSN	CR	--	BUD	iLoc	BHN	???	_	
PTJ	0.47	329.8	Pg	12:35:47.072	-0.4					T__		112.0		---	ML	1.7	985587	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.47	329.8	Lg	12:35:53.390	-1.0					T__				---		985586	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
CRES	0.68	298.8	Pg	12:35:51.155	0.4					T__		63.0		---	ML	1.7	985590	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.68	298.8	Lg	12:36:00.065	-0.9					T__				---		985589	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
A264A	0.95	46.0	Sn	12:36:09.436	-0.7					T__				---		985591	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
BEHE	1.02	18.5	Lg	12:36:12.251	1.1					T__				---		985593	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOVH	1.39	64.3	Sn	12:36:18.587	-2.0					T__				---		985585	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MORH	1.78	65.6	Lg	12:36:34.471	-0.1					T__				---		985592	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
------	------	-----	-----	----------	-----------	------	------	----	-------	-----	------	------	-----	-------	-------	------	--------	--------	-----	-------	-----	-----

2023/05/19 13:51:29.53 0.97 1.37 48.2380 21.1974 7.1 3.9 163 0.0f 17 11 104 0.06 1.77 sx BUD 19002536 BUD 152  
 2023/05/19 13:51:28.99 0.87 1.28 48.2470 21.2460f 0.0f 17 11 103 0.05 1.76 kx BUD\_GT 19002537 BUD\_GT 151  
 (locality: Tálya Hungary)  
 (GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID  
 ML 1.9 0.1 8 BUD\_GT 19002537

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
ABAH	0.05	355.1	Pg	13:51:31.304	0.7					T__		26459.0		___	ML	2.9 985740	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.05	355.1	Lg	13:51:32.436	0.3					T__				---		985746	FDSN	HU	--	BUD	iLoc	HNN	???	_
(Reading ML: 2.9 magdef=1 Station ML: 2.9 magdef=0)																								
HU02A	0.50	255.8	Pg	13:51:39.808	0.2					T__		100.9		___	ML	1.7 985741	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.50	255.8	Lg	13:51:44.811	-2.8					T__				---		985747	FDSN	Z6	00	BUD	iLoc	HNN	???	_
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=1)																								
JOS	0.53	298.1	Pg	13:51:41.144	1.4					T__		95.6		___	ML	1.8 985742	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.53	298.1	Lg	13:51:47.608	-0.3					T__				---		985748	FDSN	Z6	--	BUD	iLoc	HNN	???	_
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=1)																								
KECS	0.56	295.3	Pg	13:51:41.139	0.9					T__		127.1		___	ML	1.9 985743	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.56	295.3	Lg	13:51:46.945	-1.9					T__				---		985749	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=1)																								
TRPA	0.87	97.2	Pn	13:51:47.548	0.2					T__		126.4		___	ML	2.1 985750	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.1 magdef=1 Station ML: 2.1 magdef=1)																								
PSZ	0.96	250.6	Pn	13:51:49.407	0.6					T__		75.0		___	ML	1.9 985751	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.96	250.6	Lg	13:52:01.256	-2.5					T__				---		985744	FDSN	GE	--	BUD	iLoc	HNN	???	_
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=1)																								
KOLS	0.97	44.4	Pn	13:51:49.616	0.7					T__				---		985752	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ET1H	0.99	248.7	Pn	13:51:48.932	-0.1					T__		40.5		___	ML	1.7 985753	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.99	248.7	Lg	13:52:04.347	0.1					T__				---		985745	FDSN	HU	--	BUD	iLoc	HNN	???	_
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=0)																								
HU03A	1.16	253.3	Sn	13:52:07.995	-0.8					T__				---		985754	FDSN	Z6	00	BUD	iLoc	HNN	???	_
NIE	1.33	332.3	Lg	13:52:11.809	-1.8					T__				---		985755	FDSN	PL	--	BUD	iLoc	BHN	???	_
DRGR	1.76	145.2	Pg	13:52:02.997	-0.6					T__		27.6		___	ML	1.9 985756	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=1)																								

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/21	00:04:38.59	3.23	0.20	47.9347	19.4200	17.8	15.3	61	13.0	12.6	9	5	307	0.12	0.90		ke BUD	19002540	BUD			331

Magnitude Err Nsta Author OrigID  
 ML 0.7 0.1 4 BUD 19002540

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
HU03A	0.12	104.3	Pg	00:04:42.343	0.1					T__		100.8		___	ML	0.7 996397	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.12	104.3	Lg	00:04:44.698	-0.3					T__				---		996398	FDSN	Z6	00	BUD	iLoc	HNN	???	_



```

(Reading ML: 0.7 magdef=1
(Station ML: 0.7 magdef=1
ET1H 0.31 100.2 Pg 00:04:45.508 -0.1 T__ 26.4 ___ ML 0.6 996401 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.31 100.2 Lg 00:04:50.826 0.2 T__ ___ 996402 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 0.6 magdef=1
(Station ML: 0.6 magdef=1
PSZ 0.32 92.8 Pg 00:04:45.862 -0.1 T__ 36.0 ___ ML 0.7 996396 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.32 92.8 Lg 00:04:51.559 0.2 T__ ___ 996395 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 0.7 magdef=1
(Station ML: 0.7 magdef=1
HU02A 0.77 75.4 Pn 00:04:53.879 0.0 T__ 18.0 ___ ML 1.2 996399 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.77 75.4 Lg 00:05:05.693 0.0 T__ ___ 996403 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
KECS 0.90 52.0 Lg 00:05:09.369 0.0 T__ ___ 996400 FDSN SK -- BUD iLoc EHN ??? _

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/22	00:26:08.82	1.09	0.88	45.5753	16.0799	8.2	5.1	40	10.0f	16	10	163	0.26	1.50	ke	BUD	19002546	BUD				226

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.3	6 BUD	19002546

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ZAG	0.26	345.5	Pg	00:26:14.291	0.0					T__		1023.4		___	ML	2.0	1000389	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.26	345.5	Lg	00:26:19.174	1.0					T__				___		1000390	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.0 magdef=1 (Station ML: 2.0 magdef=1																									
PTJ	0.34	346.7	Pg	00:26:15.260	-0.8					T__		209.1		___	ML	1.6	1000388	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.34	346.7	Lg	00:26:20.650	-0.8					T__				___		1000402	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=1																									
CRES	0.50	300.1	Pg	00:26:18.723	-0.0					T__		48.7		___	ML	1.4	1000391	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.50	300.1	Lg	00:26:26.387	0.2					T__				___		1000392	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.4 magdef=1 (Station ML: 1.4 magdef=0																									
BEHE	1.02	28.2	Pn	00:26:29.215	0.6					T__		113.0		___	ML	2.1	1000393	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BEHE	1.02	28.2	Sn	00:26:43.667	0.7					T__				___		1000394	FDSN	HU	--	BUD	iLoc	HHE	???	_	
(Reading ML: 2.1 magdef=1 (Station ML: 2.1 magdef=1																									
A264A	1.03	54.9	Pn	00:26:29.083	0.5					T__		112.7		___	ML	2.1	1000395	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A264A	1.03	54.9	Lg	00:26:43.370	1.1					T__				___		1000396	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1 (Station ML: 2.1 magdef=0																									
BLY	1.14	136.2	Pg	00:26:29.519	-0.4					T__		39.4		___	ML	1.7	1000403	FDSN	MN	--	BUD	iLoc	HHZ	HHZ	_
BLY	1.14	136.2	Sn	00:26:45.300	-1.1					T__				___		1000401	FDSN	MN	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=1																									
A273A	1.26	73.7	Lg	00:26:49.833	0.6					T__				___		1000398	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
OBKA	1.42	311.8	Lg	00:26:55.957	1.3					T__				___		1000397	FDSN	OE	--	BUD	iLoc	HHN	???	_	
A265A	1.47	54.0	Lg	00:26:56.167	0.4					T__				___		1000399	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KOVH	1.50	69.3	Sn	00:26:55.855	1.4					T__				___		1000400	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/05/22 02:35:45.25 1.04 1.08 46.8499 21.4643 9.1 5.6 29 10.0f 21 15 103 0.22 1.65 ke BUD 19002548 BUD 183

Magnitude Err Nsta Author OrigID  
 ML 2.0 0.1 9 BUD 19002548

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU24A	0.22	286.1	Pg	02:35:50.630	0.3					T__		869.3		_d	ML	1.8	1000454	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU24A	0.22	286.1	Lg	02:35:52.808	-1.5					T__				---		1000459	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
HU12A	0.55	307.6	Pg	02:35:56.493	-0.4					T__		147.3		---	ML	2.0	1000456	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU12A	0.55	307.6	Lg	02:36:04.534	-0.2					T__				---		1000460	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
LTVH	0.61	28.9	Lg	02:36:06.041	-0.5					T__				---		1000461	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU05A	0.74	342.5	Pn	02:36:00.410	0.4					T__		158.2		---	ML	2.1	1000455	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU05A	0.74	342.5	Lg	02:36:11.013	0.3					T__				---		1000462	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
DRGR	0.86	93.4	Pn	02:36:02.109	-0.0					T__		95.9		---	ML	2.0	1000452	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	0.86	93.4	Lg	02:36:13.643	-0.5					T__				---		1000453	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
HU13A	0.99	278.5	Sn	02:36:18.599	0.7					T__				---		1000463	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU11A	1.09	349.5	Pg	02:36:06.823	-0.2					T__		217.9		---	ML	2.4	1000464	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=0)																									
HU23A	1.14	314.1	Lg	02:36:23.903	0.3					T__				---		1000465	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU07A	1.17	14.9	Lg	02:36:24.142	-0.2					T__				---		1000466	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
BZS	1.24	175.0	Pg	02:36:09.068	-0.2					T__		52.8		---	ML	1.9	1000457	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
HU02A	1.42	333.8	Pn	02:36:11.389	1.6					T__		31.7		---	ML	1.8	1000468	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.42	333.8	Sn	02:36:29.855	1.2					T__				---		1000467	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=0)																									
ABAH	1.46	354.1	Pn	02:36:11.972	1.9					T__		50.8		---	ML	2.0	1000458	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	1.46	354.1	Lg	02:36:32.109	-1.2					T__				---		1000469	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
CJR	1.47	94.5	Pg	02:36:13.780	-0.1					T__		133.2		---	ML	2.4	1000470	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=1)																									
PSZ	1.51	315.6	Sn	02:36:32.812	1.9					T__				---		1000471	FDSN	GE	--	BUD	iLoc	HHN	???	_	
HU03A	1.65	310.4	Lg	02:36:37.942	-2.1					T__				---		1000472	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/05/22 06:24:45.21 1.94 0.54 45.5834 16.5558 30.4 8.3 47 10.0f 5 3 203 0.52 0.95 ke BUD 19002550 BUD 339

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PTJ	0.52	308.4	Pg	06:24:55.771	-0.1					T__		58.7		---	ML	1.5	1002320	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.52	308.4	Lg	06:25:04.045	0.4					T__				---		1002321	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
CRES	0.81	287.9	Pg	06:25:00.684	0.2					T__		35.3		---	ML	1.5	1002322	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.81	287.9	Lg	06:25:12.109	-0.6					T__				---		1002324	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
BLY	0.95	151.7	Lg	06:25:15.492	0.0					T__				---		1002323	FDSN	MN	--	BUD	iLoc	HNN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/22	08:04:48.15	1.42	1.22	47.9076	16.1033	13.2	4.1	35	0.0f		7	5	138	0.16	1.50	sx	BUD	19002552	BUD			201

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.16	277.3	Pg	08:04:51.251	-0.4					T__		140.0		---	ML	0.9	1002840	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.16	277.3	Lg	08:04:53.935	-0.2					T__				---		1002841	FDSN	OE	--	BUD	iLoc	HNN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=0)																									
RONA	0.25	147.9	Pg	08:04:53.042	-0.3					T__				---		1002843	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.25	147.9	Lg	08:04:57.097	0.2					T__				---		1002842	FDSN	OE	--	BUD	iLoc	HNN	???	_	
ARSA	0.77	211.1	Lg	08:05:13.383	0.8					T__				---		1002844	FDSN	OE	--	BUD	iLoc	HNN	???	_	
KRUC	1.17	9.4	Sn	08:05:29.389	1.4					T__				---		1002845	FDSN	CZ	--	BUD	iLoc	HNN	???	_	
CKRC	1.50	308.0	Lg	08:05:38.744	1.7					T__				---		1002846	FDSN	CZ	--	BUD	iLoc	HNN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/22	08:07:44.98	2.04	0.47	48.5498	20.7992	14.3	6.6	14	0.0f		8	6	237	0.18	0.91	sx	BUD	19002554	BUD			310

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.18	252.7	Pg	08:07:48.767	-0.0					T__		147.1		---	ML	1.0	1002868	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.18	252.7	Lg	08:07:52.246	0.4					T__				---		1002867	FDSN	Z6	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
KECS	0.22	252.4	Pg	08:07:49.356	-0.2					T__		807.4		---	ML	1.8	1002865	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.22	252.4	Lg	08:07:53.273	0.1					T__				---		1002866	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
ABAH	0.39	130.7	Lg	08:07:59.999	0.2					T__				---		1002870	FDSN	HU	--	BUD	iLoc	HNN	???	_	
HU02A	0.47	203.3	Lg	08:08:02.575	0.2					T__				---		1002869	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
PSZ	0.87	224.1	Lg	08:08:17.095	0.5					T__				---		1002871	FDSN	GE	--	BUD	iLoc	HNN	???	_	
ET1H	0.91	223.1	Lg	08:08:16.767	-0.7					T__				---		1002872	FDSN	HU	--	BUD	iLoc	HNN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
------	------	-----	-----	----------	-----------	------	------	----	-------	-----	------	------	-----	-------	-------	------	--------	--------	-----	-------	-----	-----

2023/05/22 08:51:15.12 1.02 0.78 46.2337 22.7860 10.5 4.3 87 0.0f 6 4 121 0.36 1.02 sx BUD 19002556 BUD 187

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DEV	0.36	166.8	Pg	08:51:22.434	0.5					T__		267.3		___	ML	1.7	1002896	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.36	166.8	Lg	08:51:25.941	-1.1					T__				---		1002895	FDSN	RO	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.7 magdef=1)																					
				(Station ML: 1.7 magdef=1)																					
DRGR	0.56	354.7	Pg	08:51:26.684	0.2					T__		73.6		___	ML	1.7	1002891	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	0.56	354.7	Lg	08:51:35.671	-0.1					T__				---		1002892	FDSN	RO	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.7 magdef=1)																					
				(Station ML: 1.7 magdef=1)																					
CJR	0.74	49.2	Lg	08:51:40.821	-0.4					T__				---		1002893	FDSN	RO	--	BUD	iLoc	HHN	???	_	
BZS	1.02	233.3	Lg	08:51:48.917	-0.4					T__				---		1002894	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/05/22 09:17:37.20 1.76 0.64 48.5103 20.8023 14.8 6.0 20 0.0f 6 4 220 0.18 0.43 sx BUD 19002558 BUD 300

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.18	265.4	Pg	09:17:41.116	0.2					T__		81.4		___	ML	0.7	1002939	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.18	265.4	Lg	09:17:43.876	0.0					T__				---		1002940	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 0.7 magdef=1)																					
				(Station ML: 0.7 magdef=1)																					
KECS	0.21	262.8	Pg	09:17:41.986	0.3					T__		172.7		___	ML	1.1	1002941	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.21	262.8	Lg	09:17:44.206	-0.9					T__				---		1002942	FDSN	SK	--	BUD	iLoc	EHN	???	_	
				(Reading ML: 1.1 magdef=1)																					
				(Station ML: 1.1 magdef=1)																					
ABAH	0.36	126.2	Lg	09:17:50.684	-0.4					T__				---		1002943	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU02A	0.43	205.6	Lg	09:17:53.448	0.0					T__				---		1002944	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/05/22 10:20:44.08 1.84 1.57 47.8919 20.2104 26.3 4.3 162 0.0f 7 4 207 0.21 0.80 sx BUD 19002560 BUD 224

Magnitude Err Nsta Author OrigID  
 ML 1.3 0.1 3 BUD 19002560

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.21	277.2	Pg	10:20:49.691	0.5					T__		239.2		___	ML	1.3	1002965	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.21	277.2	Lg	10:20:52.609	-0.7					T__				---		1002966	FDSN	GE	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.3 magdef=1)																					
				(Station ML: 1.3 magdef=1)																					
ET1H	0.23	266.9	Pg	10:20:49.678	0.3					T__		175.2		___	ML	1.2	1002967	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.23	266.9	Lg	10:20:52.691	-0.7					T__				---		1002968	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.2 magdef=1)																					
				(Station ML: 1.2 magdef=1)																					
HU02A	0.31	42.4	Lg	10:20:56.642	0.2					T__				---		1002969	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ABAH	0.80	59.2	Pg	10:21:00.762	0.7					T__		55.7		___	ML	1.7	1002971	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_

ABAH 0.80 59.2 Lg 10:21:10.516 -2.8 T\_\_ --- 1002970 FDSN HU -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.7 magdef=1  
 (Station ML: 1.7 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/22	17:46:42.03	0.71	0.90	46.1020	21.4973	7.2	3.9	38	7.0f		83	71	35	0.49	6.07	ke	BUD	19002566	BUD			67

Magnitude	Err	Nsta	Author	OrigID
ML	4.6	0.1	68 BUD	19002566

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
BZS	0.49	170.2	Pg	17:46:51.284	-0.5					T__		31803.3		---	ML	4.2	1006264	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.49	170.2	Lg	17:46:58.886	0.0					T__				---		1006265	FDSN	RO	--	BUD	iLoc	BHN	???	_	
(Reading ML: 4.2 magdef=1 (Station ML: 4.2 magdef=0																									
BANR	0.76	199.5	Pn	17:46:57.534	-0.4					T__		187099.9		---	ML	5.2	1006266	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 5.2 magdef=1 (Station ML: 5.2 magdef=0																									
HU24A	0.84	344.0	Pg	17:46:59.329	-0.0					T__		50491.1		---	ML	4.7	1006340	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.7 magdef=1 (Station ML: 4.7 magdef=1																									
HU06A	0.89	313.8	Pg	17:47:00.230	-0.1					T__		43963.3		---	ML	4.6	1006329	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.6 magdef=1 (Station ML: 4.6 magdef=1																									
DEV	1.00	102.1	Pg	17:47:00.576	-0.6					T__		29472.9		---	ML	4.5	1006267	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DEV	1.00	102.1	Lg	17:47:14.890	0.2					T__				---		1006301	FDSN	RO	--	BUD	iLoc	BHN	???	_	
(Reading ML: 4.5 magdef=1 (Station ML: 4.5 magdef=1																									
HU14A	1.04	289.9	Pg	17:47:02.853	-0.1					T__		30889.3		---	ML	4.6	1006336	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.6 magdef=1 (Station ML: 4.6 magdef=1																									
DRGR	1.09	50.1	Pn	17:47:02.393	-0.3					T__		87075.8		---	ML	5.0	1006268	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 5.0 magdef=1 (Station ML: 5.0 magdef=0																									
GZR	1.14	127.9	Pn	17:47:03.356	-0.3					T__		55886.9		---	ML	4.9	1006269	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.14	127.9	Lg	17:47:19.137	-0.2					T__				---		1006302	FDSN	RO	--	BUD	iLoc	BHN	???	_	
(Reading ML: 4.9 magdef=1 (Station ML: 4.9 magdef=0																									
HU12A	1.18	337.1	Pg	17:47:04.697	-1.2					T__		43386.5		---	ML	4.8	1006334	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.8 magdef=1 (Station ML: 4.8 magdef=1																									
HU21A	1.25	281.3	Pg	17:47:05.428	-1.2					T__		11068.7		---	ML	4.2	1006337	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.2 magdef=1 (Station ML: 4.2 magdef=0																									
LTVH	1.31	12.0	Pn	17:47:06.574	1.1					T__		25419.8		_c_	ML	4.6	1006270	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.6 magdef=1 (Station ML: 4.6 magdef=1																									
HU13A	1.34	311.8	Pn	17:47:06.449	0.6					T__		21914.1		---	ML	4.6	1006335	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.6 magdef=1 (Station ML: 4.6 magdef=1																									
BSZH	1.47	325.2	Pn	17:47:08.990	1.4					T__		21536.7		---	ML	4.6	1006271	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.6 magdef=1																									

(Station ML: 4.6 magdef=1 HU05A 1.47 350.5 Pn 17:47:08.262 0.7 (Reading ML: 4.4 magdef=1 (Station ML: 4.4 magdef=1 FRGS 1.51 232.0 Pn 17:47:08.879 0.6 FRGS 1.51 232.0 Sn 17:47:29.722 0.9 (Reading ML: 4.3 magdef=1 (Station ML: 4.3 magdef=0 CJR 1.58 66.4 Pn 17:47:10.356 0.7 CJR 1.58 66.4 Sn 17:47:32.055 1.4 (Reading ML: 5.3 magdef=1 (Station ML: 5.3 magdef=0 HU04B 1.59 297.3 Pn 17:47:09.822 0.6 HU04B 1.59 297.3 Sn 17:47:29.845 -0.3 (Reading ML: 4.5 magdef=1 (Station ML: 4.5 magdef=1 DJES 1.61 153.0 Pn 17:47:10.310 0.3 DJES 1.61 153.0 Lg 17:47:32.440 -0.8 (Reading ML: 5.5 magdef=1 (Station ML: 5.5 magdef=0 HU22A 1.66 278.7 Pn 17:47:11.160 1.1 (Reading ML: 4.3 magdef=1 (Station ML: 4.3 magdef=0 LOT 1.72 111.5 Pn 17:47:12.184 0.1 LOT 1.72 111.5 Sn 17:47:35.879 1.4 (Reading ML: 4.8 magdef=1 (Station ML: 4.8 magdef=0 HU23A 1.76 331.3 Pn 17:47:12.983 1.3 (Reading ML: 4.5 magdef=1 (Station ML: 4.5 magdef=1 HU01A 1.79 314.6 Pn 17:47:13.009 0.9 (Reading ML: 4.7 magdef=1 (Station ML: 4.7 magdef=1 HU11A 1.84 353.1 Pn 17:47:13.726 1.0 (Reading ML: 4.5 magdef=1 (Station ML: 4.5 magdef=1 A272A 1.87 291.1 Pn 17:47:13.614 0.6 (Reading ML: 4.5 magdef=1 (Station ML: 4.5 magdef=1 HU07A 1.90 8.5 Pn 17:47:14.075 0.4 (Reading ML: 4.7 magdef=1 (Station ML: 4.7 magdef=1 MORH 1.99 274.3 Pn 17:47:14.950 0.3 (Reading ML: 4.0 magdef=1 (Station ML: 4.0 magdef=0 BMR 2.09 40.4 Pn 17:47:17.263 0.6 (Reading ML: 5.3 magdef=1 (Station ML: 5.3 magdef=0 ET1H 2.10 328.5 Pn 17:47:16.902 0.5 (Reading ML: 4.4 magdef=1 (Station ML: 4.4 magdef=1 A271A 2.12 300.8 Lg 17:47:52.142 -0.3 PSZ 2.12 329.5 Pn 17:47:17.236 0.3	T__	12774.4	___ ML	4.4 1006328	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
	T__	9354.7	___ ML	4.3 1006321	FDSN SJ	-- BUD	iLoc	BHZ BHZ	_
	T__		---	1006322	FDSN SJ	-- BUD	iLoc	BHN ???	_
	T__	82310.0	___ ML	5.3 1006272	FDSN RO	-- BUD	iLoc	BHZ BHZ	_
	T__		---	1006299	FDSN RO	-- BUD	iLoc	BHN ???	_
	T__	13963.1	___ ML	4.5 1006326	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
	T__		---	1006327	FDSN Z6	00 BUD	iLoc	HHN ???	_
	T__	119915.4	___ ML	5.5 1006319	FDSN SJ	-- BUD	iLoc	BHZ BHZ	_
	T__		---	1006318	FDSN SJ	-- BUD	iLoc	BHN ???	_
	T__	8351.0	___ ML	4.3 1006338	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
	T__	22383.1	___ ML	4.8 1006273	FDSN RO	-- BUD	iLoc	BHZ BHZ	_
	T__		---	1006300	FDSN RO	-- BUD	iLoc	BHN ???	_
	T__	10431.3	___ ML	4.5 1006339	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
	T__	16003.5	___ ML	4.7 1006323	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
	T__	10143.7	___ ML	4.5 1006333	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
	T__	9914.8	___ ML	4.5 1006312	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
	T__	13003.3	___ ML	4.7 1006330	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
	T__	2646.9	___ ML	4.0 1006274	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
	T__	40560.0	___ ML	5.3 1006275	FDSN RO	-- BUD	iLoc	BHZ BHZ	_
	T__	5489.3	___ ML	4.4 1006320	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
	T__		---	1006311	FDSN Z6	00 BUD	iLoc	HHN ???	_
	T__	6862.8	___ ML	4.5 1006276	FDSN GE	-- BUD	iLoc	HHZ HHZ	_

(Reading ML: 4.5 magdef=1 (Station ML: 4.5 magdef=1 HU02A 2.13 342.2 Pn 17:47:17.136 0.2	T__	4500.2	___ ML	4.3 1006324	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.3 magdef=1 (Station ML: 4.3 magdef=0 TRPA 2.15 18.9 Pn 17:47:17.523 0.2	T__	7367.2	___ ML	4.6 1006277	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.6 magdef=1 (Station ML: 4.6 magdef=1 BUD 2.19 310.0 Pn 17:47:18.143 0.5	T__	3744.2	___ ML	4.3 1006278	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.3 magdef=1 (Station ML: 4.3 magdef=0 ABAH 2.20 355.5 Pn 17:47:18.366 0.5	T__	4348.3	___ ML	4.4 1006279	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.4 magdef=1 (Station ML: 4.4 magdef=0 HU03A 2.22 324.9 Pn 17:47:19.182 1.1	T__	8458.4	___ ML	4.7 1006325	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.7 magdef=1 (Station ML: 4.7 magdef=1 A267A 2.25 293.2 Pn 17:47:19.084 0.7	T__	6706.8	___ ML	4.6 1006309	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
A267A 2.25 293.2 Lg 17:47:55.617 -1.2	T__		---	1006310	FDSN Z6	00 BUD	iLoc	HHN ???	_
(Reading ML: 4.6 magdef=1 (Station ML: 4.6 magdef=1 A266A 2.28 281.9 Pn 17:47:19.561 0.7	T__	7335.5	___ ML	4.6 1006308	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.6 magdef=1 (Station ML: 4.6 magdef=1 KOVH 2.36 270.9 Pn 17:47:20.050 -0.0	T__	2074.5	___ ML	4.1 1006280	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.1 magdef=1 (Station ML: 4.1 magdef=0 KECS 2.48 344.2 Pn 17:47:23.108 1.3	T__	4124.3	___ ML	4.5 1006281	FDSN SK	-- BUD	iLoc	EHZ EHZ	_
(Reading ML: 4.5 magdef=1 (Station ML: 4.5 magdef=1 JOS 2.48 345.1 Pn 17:47:22.849 1.1	T__	2979.8	___ ML	4.4 1006341	FDSN Z6	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.4 magdef=1 (Station ML: 4.4 magdef=0 CSKK 2.56 300.7 Pn 17:47:23.256 0.4	T__	4391.7	___ ML	4.6 1006282	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
CSKK 2.56 300.7 Lg 17:48:04.736 -2.6	T__		---	1006317	FDSN HU	-- BUD	iLoc	HHN ???	_
(Reading ML: 4.6 magdef=1 (Station ML: 4.6 magdef=1 A273A 2.57 267.2 Pn 17:47:23.759 0.8	T__	2916.3	___ ML	4.4 1006313	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.4 magdef=1 (Station ML: 4.4 magdef=1 A265A 2.59 278.5 Pn 17:47:23.654 0.5	T__	4649.2	___ ML	4.6 1006307	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.6 magdef=1 (Station ML: 4.6 magdef=1 TIH 2.61 289.1 Pn 17:47:24.120 0.6	T__	5236.1	___ ML	4.7 1006345	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.7 magdef=1 (Station ML: 4.7 magdef=1 HU09A 2.63 306.9 Pn 17:47:25.025 1.2	T__	4461.0	___ ML	4.6 1006332	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.6 magdef=1 (Station ML: 4.6 magdef=1 SRD 2.77 309.3 Pn 17:47:27.130 1.4	T__	20957.8	___ ML	5.4 1006344	FDSN SK	-- BUD	iLoc	EHZ EHZ	_
(Reading ML: 5.4 magdef=1 (Station ML: 5.4 magdef=0 HU08A 2.79 299.7 Pn 17:47:26.878 0.8	T__	3151.9	___ ML	4.6 1006331	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_

(Reading ML: 4.6 magdef=1 (Station ML: 4.6 magdef=1 BADH 2.87 285.6 Pn 17:47:27.588 0.5	T__	2048.3	___ ML	4.4 1006315	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.4 magdef=1 (Station ML: 4.4 magdef=1 KOLS 2.88 10.2 Pn 17:47:28.419 0.7	T__		---	1006342	FDSN SK	-- BUD	iLoc	HHZ ???	_
MPLH 2.93 292.8 Pn 17:47:28.778 0.8	T__	1725.7	___ ML	4.4 1006283	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.4 magdef=1 (Station ML: 4.4 magdef=1 A263A 2.95 282.0 Pn 17:47:28.841 0.7	T__	3418.3	___ ML	4.7 1006306	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.7 magdef=1 (Station ML: 4.7 magdef=1 A261A 3.12 287.4 Pn 17:47:31.573 1.0	T__	4085.1	___ ML	4.8 1006304	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.8 magdef=1 (Station ML: 4.8 magdef=0 EGYH 3.15 296.2 Pn 17:47:33.304 2.2	T__	2980.2	___ ML	4.7 1006284	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.7 magdef=1 (Station ML: 4.7 magdef=1 A260A 3.50 291.4 Pn 17:47:36.952 1.0	T__	1427.9	___ ML	4.6 1006303	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.6 magdef=1 (Station ML: 4.6 magdef=1 A262A 3.52 284.3 Pn 17:47:37.118 0.9	T__	1844.5	___ ML	4.7 1006305	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.7 magdef=1 (Station ML: 4.7 magdef=1 ZST 3.66 306.5 Pn 17:47:38.543 0.3	T__		---	1006346	FDSN SK	-- BUD	iLoc	HHZ ???	_
MODS 3.66 309.9 Pn 17:47:38.572 0.1	T__	668301.3	___ ML	7.3 1006285	FDSN SK	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 7.3 magdef=1 (Station ML: 7.3 magdef=0 SOP 3.74 296.8 Pn 17:47:39.742 0.5	T__	836.8	___ ML	4.5 1006286	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.5 magdef=1 (Station ML: 4.5 magdef=1 JAVC 3.79 318.1 Pn 17:47:41.003 0.7	T__	1105.1	___ ML	4.6 1006287	FDSN CZ	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.6 magdef=1 (Station ML: 4.6 magdef=1 PTJ 3.86 269.1 Pn 17:47:40.916 -0.5	T__	751.3	___ ML	4.4 1006288	FDSN CR	-- BUD	iLoc	BHZ BHZ	_
(Reading ML: 4.4 magdef=1 (Station ML: 4.4 magdef=1 RONA 3.91 296.0 Pn 17:47:41.746 -0.0	T__	631.9	___ ML	4.4 1006289	FDSN OE	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.4 magdef=1 (Station ML: 4.4 magdef=1 CRES 4.22 268.4 Pn 17:47:45.809 -0.6	T__	548.3	___ ML	4.4 1006290	FDSN SL	-- BUD	iLoc	BHZ BHZ	_
CRES 4.22 268.4 Pg 17:48:02.114 1.9	T__		---	1006316	FDSN SL	-- BUD	iLoc	BHZ ???	_
(Reading ML: 4.4 magdef=1 (Station ML: 4.4 magdef=1 CONA 4.27 297.4 Pn 17:47:46.517 -0.3	T__	644.1	___ ML	4.5 1006291	FDSN OE	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.5 magdef=1 (Station ML: 4.5 magdef=1 ARSA 4.27 287.8 Pn 17:47:46.914 0.2	T__	473.6	___ ML	4.3 1006292	FDSN OE	-- BUD	iLoc	HHZ HHZ	_
ARSA 4.27 287.8 Sn 17:48:38.113 3.0	T__		---	1006314	FDSN OE	-- BUD	iLoc	HHN ???	_
(Reading ML: 4.3 magdef=1 (Station ML: 4.3 magdef=0 OJC 4.27 345.2 Pn 17:47:48.133 0.8	T__	632.7	___ ML	4.5 1006343	FDSN PL	-- BUD	iLoc	BHZ BHZ	_
(Reading ML: 4.5 magdef=1									



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(Station ML: 4.5 magdef=1
MORC 4.54 325.6 Pn 17:47:50.925 0.2 T__ 1320.5 ___ ML 4.9 1006293 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 4.9 magdef=1
(Station ML: 4.9 magdef=0
KRUC 4.55 312.5 Pn 17:47:50.158 -0.5 T__ 352.9 ___ ML 4.3 1006294 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 4.3 magdef=1
(Station ML: 4.3 magdef=0
VRAC 4.61 315.9 Pn 17:47:51.468 -0.1 T__ 374.9 ___ ML 4.3 1006295 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 4.3 magdef=1
(Station ML: 4.3 magdef=0
OBKA 4.83 277.3 Pn 17:47:55.111 0.1 T__ 449.8 ___ ML 4.5 1006296 FDSN OE -- BUD iLoc HHZ HHZ _
(Reading ML: 4.5 magdef=1
(Station ML: 4.5 magdef=1
CKRC 5.58 301.8 Pn 17:48:05.021 0.1 T__ 109649.7 0.72 ___ ML 7.0 1006297 FDSN CZ -- BUD iLoc HHZ HHZ _
CKRC 5.58 301.8 00:00:00.000 --- 430.6 --- 0.0 1006297 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 7.0 magdef=1
(Station ML: 7.0 magdef=0
PRU 6.07 312.3 Pn 17:48:11.538 -0.4 T__ 17479.8 0.82 ___ ML 6.4 1006298 FDSN CZ -- BUD iLoc HHZ HHZ _
PRU 6.07 312.3 00:00:00.000 --- 449.8 --- 0.0 1006298 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 6.4 magdef=1
(Station ML: 6.4 magdef=0

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/05/22 18:58:56.05 1.99 0.90 46.1372 21.6152 11.8 8.4 171 2.4 29.9 11 8 75 0.52 1.66 ke BUD 19002570 BUD 135

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Magnitude Err Nsta Author OrigID
ML 2.1 0.1 3 BUD 19002570

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
BZS 0.52 179.9 Pg 18:59:06.255 -0.0 T__ 96.7 _c_ ML 1.7 1006802 FDSN RO -- BUD iLoc HHZ HHZ _
BZS 0.52 179.9 Lg 18:59:12.865 -0.8 T__ --- 1006803 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
BANR 0.83 204.2 Lg 18:59:24.245 0.6 T__ --- 1006804 FDSN RO -- BUD iLoc HHN ??? _
HU24A 0.83 338.0 Lg 18:59:24.667 -0.4 T__ --- 1006810 FDSN Z6 00 BUD iLoc HHN ??? _
HU06A 0.93 308.8 Lg 18:59:27.651 -0.2 T__ --- 1006805 FDSN Z6 00 BUD iLoc HHN ??? _
DRGR 1.00 48.8 Pn 18:59:16.777 0.7 T__ 113.0 --- ML 2.1 1006811 FDSN RO -- BUD iLoc HHZ HHZ _
DRGR 1.00 48.8 Lg 18:59:29.631 -0.5 T__ --- 1006806 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
GZR 1.10 132.0 Pg 18:59:17.463 0.4 T__ 87.3 --- ML 2.1 1006808 FDSN RO -- BUD iLoc HHZ HHZ _
GZR 1.10 132.0 Lg 18:59:32.070 -0.3 T__ --- 1006807 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
FRGS 1.60 232.9 Sn 18:59:45.300 -0.6 T__ --- 1006812 FDSN SJ -- BUD iLoc BHN ??? _
LOT 1.66 113.8 Sn 18:59:49.790 1.7 T__ --- 1006809 FDSN RO -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/05/22 19:55:26.03 0.80 1.18 46.1086 21.5142 6.2 5.2 14 15.0f 92 71 36 0.50 4.61 ke BUD 19002572 BUD 52

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Magnitude Err Nsta Author OrigID  
ML 4.2 0.1 66 BUD 19002572

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BZS	0.50	171.7	Pg	19:55:35.645	-0.4					T__		15068.0		_c_	ML	3.9	1007743	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.50	171.7	Lg	19:55:42.336	-0.7					T__				---		1007744	FDSN	RO	--	BUD	iLoc	BHN	???	_	
(Reading ML: 3.9 magdef=1 Station ML: 3.9 magdef=0)																									
BANR	0.77	200.2	Pn	19:55:41.102	-0.1					T__		98916.6		---	ML	4.9	1007745	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 4.9 magdef=1 Station ML: 4.9 magdef=0)																									
HU24A	0.84	343.1	Pn	19:55:42.670	0.7					T__		21135.6		---	ML	4.3	1007828	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.3 magdef=1 Station ML: 4.3 magdef=1)																									
HU06A	0.89	313.0	Pg	19:55:44.061	-0.3					T__		22728.1		---	ML	4.4	1007813	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.4 magdef=1 Station ML: 4.4 magdef=1)																									
DEV	0.99	102.6	Pn	19:55:44.024	-0.5					T__		10957.6		---	ML	4.1	1007746	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 4.1 magdef=1 Station ML: 4.1 magdef=1)																									
HU14A	1.05	289.3	Pg	19:55:46.200	-0.9					T__		12777.1		---	ML	4.2	1007822	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.2 magdef=1 Station ML: 4.2 magdef=1)																									
DRGR	1.07	50.0	Pn	19:55:46.238	0.6					T__		35567.8		---	ML	4.6	1007747	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 4.6 magdef=1 Station ML: 4.6 magdef=0)																									
GZR	1.14	128.5	Pn	19:55:47.030	0.3					T__		13631.7		---	ML	4.3	1007748	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 4.3 magdef=1 Station ML: 4.3 magdef=1)																									
HU12A	1.17	336.5	Pn	19:55:47.642	1.0					T__		15613.0		---	ML	4.3	1007818	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU12A	1.17	336.5	Lg	19:56:05.018	-0.6					T__				---		1007819	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 4.3 magdef=1 Station ML: 4.3 magdef=1)																									
HU21A	1.26	280.9	Pn	19:55:48.768	1.1					T__		4879.4		---	ML	3.9	1007823	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU21A	1.26	280.9	Lg	19:56:07.101	-2.6					T__				---		1007824	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 3.9 magdef=1 Station ML: 3.9 magdef=0)																									
LTVH	1.30	11.6	Pn	19:55:49.982	1.5					T__		9841.3		---	ML	4.2	1007749	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
LTVH	1.30	11.6	Sn	19:56:07.692	1.8					T__				---		1007772	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 4.2 magdef=1 Station ML: 4.2 magdef=1)																									
HU13A	1.35	311.3	Pn	19:55:50.370	1.3					T__		9071.2		---	ML	4.2	1007820	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU13A	1.35	311.3	Sn	19:56:07.833	1.1					T__				---		1007821	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 4.2 magdef=1 Station ML: 4.2 magdef=1)																									
HU05A	1.47	350.0	Pn	19:55:51.868	1.2					T__		5909.9		---	ML	4.1	1007811	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU05A	1.47	350.0	Lg	19:56:14.621	-0.2					T__				---		1007812	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 4.1 magdef=1 Station ML: 4.1 magdef=1)																									
BSZH	1.47	324.7	Pn	19:55:52.353	1.6					T__		11805.8		---	ML	4.4	1007750	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.4 magdef=1 Station ML: 4.4 magdef=0)																									
FRGS	1.53	232.1	Pn	19:55:52.486	0.9					T__		5065.9		---	ML	4.1	1007804	FDSN	SJ	--	BUD	iLoc	BHZ	BHZ	_

FRGS	1.53	232.1	Sn	19:56:12.629	1.0	T__			1007805	FDSN	SJ	--	BUD	iLoc	BHN	???	_		
(Reading ML: 4.1 magdef=1)																			
(Station ML: 4.1 magdef=1)																			
CJR	1.56	66.5	Pn	19:55:53.687	1.1	T__	32870.2	___	ML	4.9	1007751	FDSN	RO	--	BUD	iLoc	BHZ BHZ	_	
CJR	1.56	66.5	Pg	19:55:55.291	-1.1	T__		___			1007801	FDSN	RO	--	BUD	iLoc	BHZ	???	_
CJR	1.56	66.5	Sn	19:56:15.118	2.3	T__		___			1007773	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Reading ML: 4.9 magdef=1)																			
(Station ML: 4.9 magdef=0)																			
HU04B	1.60	296.9	Pn	19:55:53.341	0.9	T__	5967.6	___	ML	4.2	1007810	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.2 magdef=1)																			
(Station ML: 4.2 magdef=1)																			
DJES	1.61	153.5	Lg	19:56:15.619	-1.3	T__		___			1007802	FDSN	SJ	--	BUD	iLoc	BHN	???	_
HU22A	1.67	278.4	Pn	19:55:54.507	1.1	T__	4003.4	___	ML	4.0	1007825	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.0 magdef=1)																			
(Station ML: 4.0 magdef=0)																			
LOT	1.71	111.9	Pn	19:55:55.673	0.6	T__	8781.1	___	ML	4.4	1007752	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 4.4 magdef=1)																			
(Station ML: 4.4 magdef=0)																			
HU23A	1.76	330.9	Pn	19:55:56.184	1.4	T__	4491.6	___	ML	4.1	1007826	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU23A	1.76	330.9	Lg	19:56:24.087	-1.0	T__		___			1007827	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 4.1 magdef=1)																			
(Station ML: 4.1 magdef=1)																			
HU01A	1.80	314.2	Pn	19:55:56.526	1.2	T__	6391.2	___	ML	4.3	1007806	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU01A	1.80	314.2	Lg	19:56:25.174	-2.2	T__		___			1007807	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 4.3 magdef=1)																			
(Station ML: 4.3 magdef=1)																			
HU11A	1.83	352.7	Pn	19:55:57.325	1.5	T__	7002.0	___	ML	4.4	1007817	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.4 magdef=1)																			
(Station ML: 4.4 magdef=1)																			
A272A	1.87	290.8	Pn	19:55:57.236	0.9	T__	4938.0	___	ML	4.2	1007792	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A272A	1.87	290.8	Lg	19:56:27.841	-2.1	T__		___			1007793	FDSN	Z6	00	BUD	iLoc	HHE	???	_
(Reading ML: 4.2 magdef=1)																			
(Station ML: 4.2 magdef=1)																			
HU07A	1.89	8.2	Pn	19:55:57.711	1.0	T__	5427.1	___	ML	4.3	1007814	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.3 magdef=1)																			
(Station ML: 4.3 magdef=1)																			
MORH	2.00	274.1	Pn	19:55:58.272	0.3	T__	1206.8	___	ML	3.7	1007753	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	2.00	274.1	Pg	19:56:03.531	-0.8	T__		___			1007774	FDSN	HU	--	BUD	iLoc	HHZ	???	_
(Reading ML: 3.7 magdef=1)																			
(Station ML: 3.7 magdef=0)																			
BMR	2.07	40.2	Pn	19:56:00.773	1.1	T__	18849.7	___	ML	4.9	1007754	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 4.9 magdef=1)																			
(Station ML: 4.9 magdef=0)																			
ET1H	2.10	328.2	Pn	19:56:00.193	0.6	T__	2298.4	_c_	ML	4.0	1007803	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.0 magdef=1)																			
(Station ML: 4.0 magdef=0)																			
A271A	2.12	300.5	Lg	19:56:35.580	-2.9	T__		___			1007791	FDSN	Z6	00	BUD	iLoc	HHN	???	_
PSZ	2.12	329.1	Pn	19:56:00.722	0.6	T__	2320.9	___	ML	4.0	1007755	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.0 magdef=1)																			
(Station ML: 4.0 magdef=0)																			
HU02A	2.12	341.8	Pn	19:56:00.637	0.6	T__	1618.5	___	ML	3.9	1007808	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.9 magdef=1)																			
(Station ML: 3.9 magdef=0)																			

TRPA	2.14	18.7	Pn	19:56:00.812	0.5	T__	2770.6	___ ML	4.1	1007756	FDSN HU	-- BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.1 magdef=1)																
(Station ML: 4.1 magdef=1)																
BUD	2.20	309.7	Pn	19:56:01.621	0.8	T__	1798.1	___ ML	4.0	1007757	FDSN HU	-- BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.0 magdef=1)																
(Station ML: 4.0 magdef=0)																
ABAH	2.20	355.2	Pn	19:56:01.622	0.7	T__	1859.7	___ ML	4.0	1007758	FDSN HU	-- BUD	iLoc	HHZ	HHZ	_
ABAH	2.20	355.2	Pg	19:56:07.229	-1.7	T__		___		1007795	FDSN HU	-- BUD	iLoc	HHZ	???	_
(Reading ML: 4.0 magdef=1)																
(Station ML: 4.0 magdef=0)																
HU03A	2.22	324.6	Pn	19:56:02.345	1.1	T__	3235.7	___ ML	4.2	1007809	FDSN Z6	00 BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.2 magdef=1)																
(Station ML: 4.2 magdef=1)																
A267A	2.25	292.9	Pn	19:56:02.494	0.9	T__	3144.1	___ ML	4.3	1007789	FDSN Z6	00 BUD	iLoc	HHZ	HHZ	_
A267A	2.25	292.9	Lg	19:56:40.638	-1.5	T__		___		1007790	FDSN Z6	00 BUD	iLoc	HHN	???	_
(Reading ML: 4.3 magdef=1)																
(Station ML: 4.3 magdef=1)																
A266A	2.29	281.7	Pn	19:56:02.997	0.8	T__	4969.6	___ ML	4.5	1007788	FDSN Z6	00 BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.5 magdef=1)																
(Station ML: 4.5 magdef=0)																
KOVH	2.38	270.7	Pn	19:56:03.668	0.3	T__	914.5	___ ML	3.8	1007759	FDSN HU	-- BUD	iLoc	HHZ	HHZ	_
KOVH	2.38	270.7	Pg	19:56:11.217	-0.1	T__		___		1007775	FDSN HU	-- BUD	iLoc	HHZ	???	_
(Reading ML: 3.8 magdef=1)																
(Station ML: 3.8 magdef=0)																
KECS	2.48	344.0	Pn	19:56:06.465	1.6	T__	1575.8	___ ML	4.1	1007760	FDSN SK	-- BUD	iLoc	EHZ	EHZ	_
(Reading ML: 4.1 magdef=1)																
(Station ML: 4.1 magdef=1)																
JOS	2.48	344.8	Pn	19:56:06.205	1.3	T__	941.0	___ ML	3.9	1007829	FDSN Z6	-- BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.9 magdef=1)																
(Station ML: 3.9 magdef=0)																
CSKK	2.57	300.5	Pn	19:56:06.911	0.9	T__	2055.9	___ ML	4.2	1007761	FDSN HU	-- BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.2 magdef=1)																
(Station ML: 4.2 magdef=1)																
A273A	2.58	267.1	Pn	19:56:05.446	-0.8	T__	1368.6	___ ML	4.1	1007794	FDSN Z6	00 BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.1 magdef=1)																
(Station ML: 4.1 magdef=1)																
A265A	2.60	278.3	Pn	19:56:06.885	0.4	T__	2264.1	___ ML	4.3	1007787	FDSN Z6	00 BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.3 magdef=1)																
(Station ML: 4.3 magdef=1)																
TIH	2.62	288.9	Pn	19:56:07.642	0.8	T__	3165.8	___ ML	4.5	1007776	FDSN HU	-- BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.5 magdef=1)																
(Station ML: 4.5 magdef=0)																
HU09A	2.64	306.6	Pn	19:56:08.260	1.2	T__	1764.1	___ ML	4.2	1007816	FDSN Z6	00 BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.2 magdef=1)																
(Station ML: 4.2 magdef=1)																
BBLs	2.70	214.5	Pn	19:56:08.573	0.4	T__	1579.7	___ ML	4.2	1007798	FDSN SJ	-- BUD	iLoc	BHZ	BHZ	_
BBLs	2.70	214.5	Pg	19:56:16.508	1.4	T__		___		1007799	FDSN SJ	-- BUD	iLoc	BHZ	???	_
(Reading ML: 4.2 magdef=1)																
(Station ML: 4.2 magdef=1)																
SRD	2.78	309.0	Pn	19:56:09.880	0.9	T__	8992.6	___ ML	5.0	1007834	FDSN SK	-- BUD	iLoc	EHZ	EHZ	_
(Reading ML: 5.0 magdef=1)																
(Station ML: 5.0 magdef=0)																
HU08A	2.80	299.5	Pn	19:56:10.227	0.9	T__	1428.1	___ ML	4.2	1007815	FDSN Z6	00 BUD	iLoc	HHZ	HHZ	_

(Reading ML: 4.2 magdef=1 (Station ML: 4.2 magdef=1 KOLS 2.87 10.0 Pn 19:56:11.801 1.0 T__						1007830	FDSN SK	-- BUD	iLoc	HHZ ???	_
BADH 2.88 285.5 Pn 19:56:11.310 0.9 T__	1134.5	---	ML	4.2	1007797	FDSN HU	-- BUD	iLoc	HHZ HHZ	_	
(Reading ML: 4.2 magdef=1 (Station ML: 4.2 magdef=1 MPLH 2.94 292.6 Pn 19:56:12.107 0.9 T__	843.0	---	ML	4.1	1007777	FDSN HU	-- BUD	iLoc	HHZ HHZ	_	
(Reading ML: 4.1 magdef=1 (Station ML: 4.1 magdef=1 A264A 2.94 272.5 Pn 19:56:11.910 0.6 T__	1135.9	---	ML	4.2	1007786	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_	
(Reading ML: 4.2 magdef=1 (Station ML: 4.2 magdef=1 A263A 2.96 281.9 Pn 19:56:12.052 0.6 T__	1593.1	---	ML	4.3	1007784	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_	
A263A 2.96 281.9 Lg 19:57:03.834 1.8 T__		---			1007785	FDSN Z6	00 BUD	iLoc	HHN ???	_	
(Reading ML: 4.3 magdef=1 (Station ML: 4.3 magdef=1 A261A 3.13 287.2 Pn 19:56:15.004 1.1 T__	2278.8	---	ML	4.6	1007781	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_	
(Reading ML: 4.6 magdef=1 (Station ML: 4.6 magdef=0 EGYH 3.16 296.0 Pn 19:56:16.898 2.6 T__	1370.7	---	ML	4.4	1007762	FDSN HU	-- BUD	iLoc	HHZ HHZ	_	
(Reading ML: 4.4 magdef=1 (Station ML: 4.4 magdef=0 BEHE 3.31 278.0 Pn 19:56:16.877 0.4 T__	1753.7	---	ML	4.6	1007763	FDSN HU	-- BUD	iLoc	HHZ HHZ	_	
BEHE 3.31 278.0 Lg 19:57:14.466 2.3 T__		---			1007800	FDSN HU	-- BUD	iLoc	HHN ???	_	
(Reading ML: 4.6 magdef=1 (Station ML: 4.6 magdef=0 BLY 3.34 247.5 Pn 19:56:17.310 0.1 T__	459.3	---	ML	4.0	1007764	FDSN MN	-- BUD	iLoc	HHZ HHZ	_	
(Reading ML: 4.0 magdef=1 (Station ML: 4.0 magdef=0 A260A 3.51 291.3 Pn 19:56:20.370 1.1 T__	725.0	---	ML	4.3	1007780	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_	
(Reading ML: 4.3 magdef=1 (Station ML: 4.3 magdef=1 A262A 3.53 284.2 Pn 19:56:20.512 1.1 T__	759.6	---	ML	4.3	1007782	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_	
A262A 3.53 284.2 Sn 19:57:01.537 1.8 T__		---			1007783	FDSN Z6	00 BUD	iLoc	HHN ???	_	
(Reading ML: 4.3 magdef=1 (Station ML: 4.3 magdef=1 MODS 3.67 309.7 Pn 19:56:22.259 0.6 T__		---			1007765	FDSN SK	-- BUD	iLoc	HHZ ???	_	
SOP 3.75 296.7 Pn 19:56:23.060 0.6 T__	374.3	---	ML	4.1	1007833	FDSN HU	-- BUD	iLoc	HHZ HHZ	_	
(Reading ML: 4.1 magdef=1 (Station ML: 4.1 magdef=1 JAVC 3.79 318.0 Pn 19:56:24.587 1.1 T__	416.9	---	ML	4.2	1007766	FDSN CZ	-- BUD	iLoc	HHZ HHZ	_	
(Reading ML: 4.2 magdef=1 (Station ML: 4.2 magdef=1 PTJ 3.87 269.0 Pg 19:56:39.699 1.4 T__	342.4	---	ML	4.1	1007832	FDSN CR	-- BUD	iLoc	BHZ BHZ	_	
(Reading ML: 4.1 magdef=1 (Station ML: 4.1 magdef=1 RONA 3.91 295.9 Pn 19:56:25.500 0.5 T__		---			1007767	FDSN OE	-- BUD	iLoc	HHZ ???	_	
CRES 4.23 268.3 Pn 19:56:29.321 -0.3 T__	257.7	---	ML	4.1	1007778	FDSN SL	-- BUD	iLoc	BHZ BHZ	_	
CRES 4.23 268.3 Pg 19:56:45.671 1.4 T__		---			1007779	FDSN SL	-- BUD	iLoc	BHZ ???	_	
(Reading ML: 4.1 magdef=1 (Station ML: 4.1 magdef=1 OJC 4.27 345.0 Pn 19:56:31.867 1.4 T__	264.6	---	ML	4.1	1007831	FDSN PL	-- BUD	iLoc	BHZ BHZ	_	
(Reading ML: 4.1 magdef=1											

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(Station ML: 4.1 magdef=1
CONA 4.27 297.3 Pn 19:56:30.168 0.1 T__ 274.6 ___ ML 4.1 1007768 FDSN OE -- BUD iLoc HHZ HHZ _
(Reading ML: 4.1 magdef=1
(Station ML: 4.1 magdef=1
ARSA 4.28 287.6 Pn 19:56:30.767 0.7 T__ 289.9 ___ ML 4.1 1007796 FDSN OE -- BUD iLoc HHZ HHZ _
(Reading ML: 4.1 magdef=1
(Station ML: 4.1 magdef=1
MORC 4.54 325.4 Pn 19:56:34.739 0.9 T__ 578.6 ___ ML 4.5 1007769 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 4.5 magdef=1
(Station ML: 4.5 magdef=0
KRUC 4.55 312.3 Pn 19:56:33.777 -0.0 T__ 205.3 ___ ML 4.1 1007770 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 4.1 magdef=1
(Station ML: 4.1 magdef=1
VRAC 4.61 315.7 Pn 19:56:34.991 0.3 T__ 172.7 ___ ML 4.0 1007771 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 4.0 magdef=1
(Station ML: 4.0 magdef=0

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/05/22 20:26:22.14 0.94 1.38 46.1170 21.5653 7.1 5.0 63 10.0f 17 11 68 0.50 1.70 ke BUD 19002574 BUD 131

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Magnitude Err Nsta Author OrigID
ML 2.3 0.1 6 BUD 19002574

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
BZS 0.50 175.9 Pg 20:26:31.530 -0.6 T__ 200.0 _c ML 2.0 1008004 FDSN RO -- BUD iLoc HHZ HHZ _
BZS 0.50 175.9 Lg 20:26:38.386 -0.8 T__ 1008012 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
BANR 0.79 202.4 Pg 20:26:37.717 0.2 T__ 1221.0 ___ ML 3.0 1008005 FDSN RO -- BUD iLoc HHZ HHZ _
BANR 0.79 202.4 Lg 20:26:49.120 0.7 T__ 1008013 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 3.0 magdef=1
(Station ML: 3.0 magdef=0
HU24A 0.84 340.7 Pn 20:26:38.746 0.1 T__ 102.2 ___ ML 2.0 1008006 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU24A 0.84 340.7 Lg 20:26:50.778 0.3 T__ 1008014 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=0
HU06A 0.91 311.1 Lg 20:26:52.795 0.2 T__ 1008007 FDSN Z6 00 BUD iLoc HHN ??? _
DRGR 1.04 49.2 Pn 20:26:42.069 0.3 T__ 230.3 ___ ML 2.4 1008009 FDSN RO -- BUD iLoc HHZ HHZ _
DRGR 1.04 49.2 Lg 20:26:55.471 -1.0 T__ 1008008 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=1
HU14A 1.08 288.3 Pn 20:26:43.355 1.5 T__ 149.2 ___ ML 2.3 1008011 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU14A 1.08 288.3 Sn 20:26:57.341 0.0 T__ 1008010 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=1
GZR 1.11 130.0 Pg 20:26:44.237 0.8 T__ 200.5 ___ ML 2.4 1008015 FDSN RO -- BUD iLoc HHZ HHZ _
GZR 1.11 130.0 Lg 20:26:57.895 -0.3 T__ 1008016 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=1
FRGS 1.56 232.7 Sn 20:27:10.669 1.2 T__ 1008017 FDSN SJ -- BUD iLoc BHN ??? _
HU04B 1.63 296.1 Lg 20:27:14.399 -1.7 T__ 1008018 FDSN Z6 00 BUD iLoc HHN ??? _
LOT 1.68 112.7 Lg 20:27:15.396 -1.2 T__ 1008019 FDSN RO -- BUD iLoc HHN ??? _

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HU22A	1.70	278.0	Sn	20:27:16.345	3.9				T__						1008020	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp			
2023/05/22	20:47:16.06	1.23	1.86	45.9871	21.6039	15.3	7.0	81	15.0f		6	5	163	0.37	1.61	ke	BUD	19002576	BUD			224			
Magnitude	Err	Nsta	Author	OrigID																					
ML	1.7	1.1	3	BUD	19002576																				
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BZS	0.37	178.6	Pg	20:47:23.354	-0.4					T__		42.1		___	ML	1.0	1008070	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.37	178.6	Lg	20:47:30.094	0.8					T__				---		1008071	FDSN	RO	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.0 magdef=1)																					
				(Station ML: 1.0 magdef=1)																					
HU24A	0.97	341.7	Pg	20:47:36.298	0.3					T__		293.5		___	ML	2.5	1008074	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.5 magdef=1)																					
				(Station ML: 2.5 magdef=1)																					
GZR	1.01	125.4	Lg	20:47:49.852	0.7					T__				---		1008073	FDSN	RO	--	BUD	iLoc	HHN	???	_	
DRGR	1.11	43.2	Pn	20:47:34.273	-2.0					T__		42.5		---	ML	1.7	1008072	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 1.7 magdef=1)																					
				(Station ML: 1.7 magdef=1)																					
LOT	1.61	108.8	Sn	20:48:06.752	2.2					T__				---		1008075	FDSN	RO	--	BUD	iLoc	HHN	???	_	
Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp			
2023/05/22	21:21:03.96	1.31	0.53	46.1187	21.5370	7.2	6.0	168	1.9	17.4	26	20	58	0.51	2.22	ke	BUD	19002578	BUD			102			
Magnitude	Err	Nsta	Author	OrigID																					
ML	2.3	0.1	13	BUD	19002578																				
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BZS	0.51	173.6	Pg	21:21:14.237	0.4					T__		434.4		_c_	ML	2.3	1008173	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.51	173.6	Lg	21:21:20.920	-0.2					T__				---		1008174	FDSN	RO	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.3 magdef=1)																					
				(Station ML: 2.3 magdef=1)																					
HU24A	0.83	341.9	Lg	21:21:33.514	0.5					T__				---		1008192	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU06A	0.90	311.9	Lg	21:21:35.318	0.4					T__				---		1008175	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
DEV	0.98	103.4	Pg	21:21:22.786	0.2					T__		181.1		---	ML	2.3	1008194	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.98	103.4	Lg	21:21:36.397	-0.1					T__				---		1008193	FDSN	RO	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.3 magdef=1)																					
				(Station ML: 2.3 magdef=1)																					
DRGR	1.05	49.9	Pn	21:21:24.853	0.1					T__		374.8		---	ML	2.7	1008180	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	1.05	49.9	Lg	21:21:39.281	-0.4					T__				---		1008195	FDSN	RO	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.7 magdef=1)																					
				(Station ML: 2.7 magdef=0)																					
HU14A	1.06	288.5	Pg	21:21:25.132	-0.2					T__		292.9		---	ML	2.6	1008179	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.6 magdef=1)																					
				(Station ML: 2.6 magdef=1)																					
GZR	1.13	129.4	Lg	21:21:40.420	-0.8					T__				---		1008176	FDSN	RO	--	BUD	iLoc	HHN	???	_	
HU12A	1.17	335.6	Sn	21:21:42.665	-0.4					T__				---		1008181	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU21A	1.27	280.3	Sn	21:21:44.542	-0.9					T__				---		1008182	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
LTVH	1.29	11.0	Pn	21:21:28.628	0.9					T__		205.0		---	ML	2.5	1008184	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_

LTVH	1.29	11.0	Sn	21:21:46.120	0.0	T__									1008183	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.5 magdef=1)																							
(Station ML: 2.5 magdef=1)																							
CJR	1.54	66.6	Pg	21:21:33.764	-0.2	T__	334.9								1008186	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
CJR	1.54	66.6	Sn	21:21:53.577	0.6	T__									1008177	FDSN	RO	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.9 magdef=1)																							
(Station ML: 2.9 magdef=0)																							
FRGS	1.55	232.2	Sn	21:21:51.788	-0.8	T__									1008185	FDSN	SJ	--	BUD	iLoc	BHN	???	_
HU04B	1.61	296.4	Lg	21:21:57.169	-0.9	T__									1008187	FDSN	Z6	00	BUD	iLoc	HHN	???	_
LOT	1.70	112.4	Pn	21:21:33.883	-0.5	T__	76.8								1008196	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
LOT	1.70	112.4	Sn	21:21:57.712	0.6	T__									1008178	FDSN	RO	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.3 magdef=1)																							
(Station ML: 2.3 magdef=1)																							
MORH	2.01	273.8	Pn	21:21:37.490	-0.1	T__	23.8								1008188	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.0 magdef=1)																							
(Station ML: 2.0 magdef=0)																							
ET1H	2.10	327.7	Pn	21:21:38.830	-0.2	T__	31.7								1008189	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.2 magdef=1)																							
(Station ML: 2.2 magdef=0)																							
HU02A	2.12	341.3	Pn	21:21:39.374	-0.1	T__	34.8								1008190	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.2 magdef=1)																							
(Station ML: 2.2 magdef=1)																							
PSZ	2.12	328.6	Pn	21:21:39.381	-0.2	T__	41.6								1008197	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.3 magdef=1)																							
(Station ML: 2.3 magdef=1)																							
TRPA	2.13	18.4	Pn	21:21:39.381	-0.2	T__	39.2								1008198	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.3 magdef=1)																							
(Station ML: 2.3 magdef=1)																							
HU03A	2.22	324.1	Pn	21:21:41.095	0.4	T__	56.2								1008191	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.5 magdef=1)																							
(Station ML: 2.5 magdef=1)																							

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/05/22 23:48:14.45 1.54 0.78 46.1236 21.6024 10.4 5.9 148 2.5 23.5 20 14 75 0.51 2.25 ke BUD 19002580 BUD 100

Magnitude Err Nsta Author OrigID  
 ML 2.1 0.2 9 BUD 19002580

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BZS	0.51	178.9	Pg	23:48:24.440	0.0					T__		194.6		_c	ML	2.0	1008992	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.51	178.9	Lg	23:48:31.097	-0.6					T__						1008993	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=0)																									
BANR	0.81	204.0	Pg	23:48:29.629	-0.4					T__	1701.3				ML	3.2	1008995	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BANR	0.81	204.0	Lg	23:48:42.561	1.0					T__						1008994	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 3.2 magdef=1)																									
(Station ML: 3.2 magdef=0)																									
HU24A	0.84	338.9	Pn	23:48:31.871	0.0					T__	109.5				ML	2.0	1008996	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU24A	0.84	338.9	Lg	23:48:44.419	0.7					T__						1008997	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
HU06A	0.93	309.8	Lg	23:48:45.730	-0.5					T__						1008998	FDSN	Z6	00	BUD	iLoc	HHN	???	_	



DRGR	1.02	48.5	Lg	23:48:48.483	-0.5	T__										1009000	FDSN	RO	--	BUD	iLoc	HHN	???	_		
GZR	1.10	131.2	Lg	23:48:50.461	-0.3	T__										1008999	FDSN	RO	--	BUD	iLoc	HHN	???	_		
HU12A	1.19	333.5	Sn	23:48:53.496	-0.3	T__										1009001	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
HU21A	1.32	279.8	Pn	23:48:38.670	0.3	T__					73.6					ML	2.1	1009003	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU21A	1.32	279.8	Sn	23:48:56.972	0.1	T__											1009002	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																										
(Station ML: 2.1 magdef=1)																										
CJR	1.50	66.1	Pg	23:48:43.933	0.3	T__					110.4					ML	2.4	1009004	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
CJR	1.50	66.1	Lg	23:49:04.426	0.6	T__											1009005	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.4 magdef=1)																										
(Station ML: 2.4 magdef=1)																										
HU04B	1.65	295.6	Sn	23:49:07.005	2.1	T__											1009008	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
LOT	1.66	113.2	Pg	23:48:46.000	-0.0	T__					48.8					ML	2.1	1009007	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
LOT	1.66	113.2	Lg	23:49:08.685	-1.2	T__											1009006	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																										
(Station ML: 2.1 magdef=1)																										
ET1H	2.12	326.6	Pn	23:48:49.293	-0.4	T__					35.0					ML	2.2	1009009	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.2 magdef=1)																										
(Station ML: 2.2 magdef=1)																										
HU02A	2.13	340.2	Pn	23:48:49.470	-0.5	T__					22.0					ML	2.0	1009010	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.0 magdef=1)																										
(Station ML: 2.0 magdef=1)																										
HU03A	2.25	323.2	Pn	23:48:51.623	0.2	T__					42.8					ML	2.4	1009011	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.4 magdef=1)																										
(Station ML: 2.4 magdef=1)																										

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/23	02:12:23.97	1.11	0.60	46.1118	21.5296	7.9	5.4	33	3.3	15.3	29	23	43	0.50	2.23	ke	BUD	19002582	BUD			73

Magnitude	Err	Nsta	Author	OrigID
ML	2.6	0.1	19 BUD	19002582

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
BZS	0.50	173.0	Pg	02:12:34.301	0.5					T__		747.5			ML	2.6	1009531	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.50	173.0	Lg	02:12:40.712	-0.2					T__						1009532	FDSN	RO	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.6 magdef=1)																									
(Station ML: 2.6 magdef=1)																									
BANR	0.78	200.9	Pn	02:12:39.872	-0.7					T__		2860.3			ML	3.4	1009537	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 3.4 magdef=1)																									
(Station ML: 3.4 magdef=0)																									
HU24A	0.84	342.4	Pn	02:12:41.432	0.2					T__		467.3			ML	2.6	1009538	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU24A	0.84	342.4	Lg	02:12:53.655	0.7					T__						1009547	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.6 magdef=1)																									
(Station ML: 2.6 magdef=1)																									
HU06A	0.90	312.4	Pg	02:12:42.508	0.0					T__		380.2			ML	2.6	1009539	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.90	312.4	Lg	02:12:55.202	0.5					T__						1009548	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.6 magdef=1)																									
(Station ML: 2.6 magdef=1)																									
DEV	0.98	102.9	Pg	02:12:42.566	-0.1					T__		151.3			ML	2.2	1009534	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=0)																									
HU14A	1.06	289.0	Pg	02:12:45.304	-0.0					T__		533.8			ML	2.8	1009549	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_

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(Reading ML: 2.8 magdef=1
(Station ML: 2.8 magdef=1
DRGR 1.06 49.8 Pn 02:12:44.755 0.0 T__ 317.9 ___ ML 2.6 1009550 FDSN RO -- BUD iLoc BHZ BHZ _
DRGR 1.06 49.8 Lg 02:12:57.952 -1.8 T__ ___ 1009551 FDSN RO -- BUD iLoc BHN ??? _
(Reading ML: 2.6 magdef=1
(Station ML: 2.6 magdef=1
GZR 1.13 129.0 Pg 02:12:45.713 0.2 T__ 567.7 ___ ML 2.9 1009533 FDSN RO -- BUD iLoc BHZ BHZ _
GZR 1.13 129.0 Lg 02:13:01.613 0.4 T__ ___ 1009552 FDSN RO -- BUD iLoc BHN ??? _
(Reading ML: 2.9 magdef=1
(Station ML: 2.9 magdef=0
HU21A 1.27 280.7 Pg 02:12:48.377 -0.8 T__ 216.1 ___ ML 2.5 1009553 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=1
LTVH 1.30 11.2 Sn 02:13:05.689 -0.3 T__ ___ 1009554 FDSN HU -- BUD iLoc HHN ??? _
FRGS 1.54 232.3 Pn 02:12:51.525 0.5 T__ 205.0 ___ ML 2.7 1009541 FDSN SJ -- BUD iLoc BHZ BHZ _
(Reading ML: 2.7 magdef=1
(Station ML: 2.7 magdef=1
CJR 1.55 66.5 Pg 02:12:53.683 -0.4 T__ 442.4 ___ ML 3.0 1009540 FDSN RO -- BUD iLoc BHZ BHZ _
(Reading ML: 3.0 magdef=1
(Station ML: 3.0 magdef=0
HU04B 1.61 296.7 Pn 02:12:51.894 0.0 T__ 171.6 ___ ML 2.6 1009555 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.6 magdef=1
(Station ML: 2.6 magdef=1
HU22A 1.68 278.3 Pn 02:12:52.989 0.2 T__ 197.2 ___ ML 2.7 1009542 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.7 magdef=1
(Station ML: 2.7 magdef=1
LOT 1.70 112.1 Sn 02:13:18.103 1.3 T__ ___ 1009536 FDSN RO -- BUD iLoc BHE ??? _
HU23A 1.76 330.6 Lg 02:13:22.314 0.0 T__ ___ 1009556 FDSN Z6 00 BUD iLoc HHN ??? _
HU01A 1.80 313.9 Lg 02:13:23.756 -0.2 T__ ___ 1009557 FDSN Z6 00 BUD iLoc HHN ??? _
MORH 2.01 274.0 Pn 02:12:57.145 -0.3 T__ 42.2 ___ ML 2.2 1009535 FDSN HU -- BUD iLoc HHZ HHZ _
MORH 2.01 274.0 Pg 02:13:02.216 -0.5 T__ ___ 1009543 FDSN HU -- BUD iLoc HHZ ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=0
ET1H 2.10 327.9 Pn 02:12:58.716 -0.2 T__ 36.8 ___ ML 2.2 1009544 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=0
HU02A 2.13 341.5 Pn 02:12:59.301 -0.0 T__ 43.9 ___ ML 2.3 1009545 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=1
PSZ 2.13 328.8 Pn 02:12:59.086 -0.3 T__ 62.5 ___ ML 2.5 1009558 FDSN GE -- BUD iLoc HHZ HHZ _
(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=1
ABAH 2.19 354.9 Pn 02:13:00.932 0.8 T__ 45.4 ___ ML 2.4 1009546 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=1
HU03A 2.23 324.3 Pn 02:13:00.889 0.3 T__ 75.6 ___ ML 2.6 1009559 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.6 magdef=1
(Station ML: 2.6 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/05/23 06:08:45.01 0.95 0.73 47.8789 16.0782 6.1 4.0 30 0.0f 10 7 82 0.15 1.51 sx BUD 19002584 BUD 153

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Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.15	288.8	Pg	06:08:48.289	-0.0					T__		237.5			ML	1.1	1009786	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.15	288.8	Lg	06:08:50.290	-0.4					T__						1009788	FDSN	OE	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.1 magdef=1)																					
				(Station ML: 1.1 magdef=1)																					
RONA	0.23	140.6	Pg	06:08:50.035	0.1					T__						1009790	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.23	140.6	Lg	06:08:52.675	-0.7					T__						1009789	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.73	211.1	Lg	06:09:08.964	0.6					T__						1009791	FDSN	OE	--	BUD	iLoc	HHN	???	_	
MODS	0.94	57.9	Lg	06:09:18.644	-0.1					T__						1009792	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KRUC	1.20	10.0	Pg	06:09:08.644	0.6					T__		33.8			ML	1.7	1009787	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.20	10.0	Sn	06:09:25.550	-0.0					T__						1009793	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.7 magdef=1)																					
				(Station ML: 1.7 magdef=1)																					
TREC	1.47	344.7	Sn	06:09:33.525	1.6					T__						1009794	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
CKRC	1.51	309.3	Sn	06:09:33.370	-0.0					T__						1009795	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/23	06:20:58.41	1.75	0.94	48.0756	21.3654	10.5	7.4	150	0.0f		7	5	189	0.24	0.79	sx	BUD	19002586	BUD			295

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.24	339.2	Pg	06:21:04.057	0.5					T__		606.9			ML	1.7	1009815	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.24	339.2	Lg	06:21:06.995	-1.1					T__						1009816	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.7 magdef=1)																					
				(Station ML: 1.7 magdef=1)																					
HU02A	0.57	275.0	Pg	06:21:10.626	0.3					T__		32.9			ML	1.3	1009818	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.57	275.0	Lg	06:21:18.462	-1.0					T__						1009817	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.3 magdef=1)																					
				(Station ML: 1.3 magdef=1)																					
JDS	0.69	307.6	Lg	06:21:22.791	-0.0					T__						1009819	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
KECS	0.72	305.1	Lg	06:21:23.474	-0.1					T__						1009820	FDSN	SK	--	BUD	iLoc	EHN	???	_	
TRPA	0.79	85.6	Lg	06:21:26.200	-1.0					T__						1009821	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/23	06:32:49.37	1.34	1.19	46.0734	22.8595	8.7	6.6	45	0.0f		9	5	142	0.19	0.98	sx	BUD	19002588	BUD			251

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.1	4 BUD	19002588

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DEV	0.19	170.9	Pg	06:32:53.163	0.1					T__		639.7			ML	1.6	1009845	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.19	170.9	Lg	06:32:55.335	-0.4					T__						1009846	FDSN	RO	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.6 magdef=1)																					
				(Station ML: 1.6 magdef=1)																					
GZR	0.68	184.9	Pg	06:33:02.587	0.1					T__		73.2			ML	1.7	1009848	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	0.68	184.9	Lg	06:33:11.998	-0.2					T__						1009847	FDSN	RO	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.7 magdef=1)																					

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(Station ML: 1.7 magdef=1
DRGR 0.73 351.9 Lg 06:33:14.414 -1.3 T__
LOT 0.89 134.1 Pg 06:33:07.733 1.2 T__ 56.0 --- ML 1.7 1009849 FDSN RO -- BUD iLoc HHZ HHZ _
LOT 0.89 134.1 Lg 06:33:17.655 -1.9 T__ --- 1009850 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
BZS 0.98 242.7 Pg 06:33:09.338 0.8 T__ 30.7 --- ML 1.5 1009853 FDSN RO -- BUD iLoc HHZ HHZ _
BZS 0.98 242.7 Lg 06:33:21.517 -0.8 T__ --- 1009852 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/05/23 08:01:03.48 1.33 0.84 48.4421 17.4421 12.9 3.6 126 0.0f 6 4 202 0.13 0.93 sx BUD 19002590 BUD 270

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
MODS 0.13 238.1 Pg 08:01:07.065 0.4 T__ _c_ 1010802 FDSN SK -- BUD iLoc HHZ ??? _
MODS 0.13 238.1 Lg 08:01:08.662 -0.9 T__ --- 1010803 FDSN SK -- BUD iLoc HHN ??? _
ZST 0.33 222.8 Lg 08:01:15.911 -0.3 T__ --- 1010804 FDSN SK -- BUD iLoc HHN ??? _
JAVC 0.44 19.9 Pg 08:01:13.310 0.4 T__ 59.6 --- ML 1.3 1010806 FDSN CZ -- BUD iLoc HHZ HHZ _
JAVC 0.44 19.9 Lg 08:01:19.186 -1.0 T__ --- 1010805 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=0
KRUC 0.93 312.2 Lg 08:01:35.019 -0.0 T__ --- 1010807 FDSN CZ -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/05/23 08:04:09.98 1.86 0.46 48.5577 20.7770 14.7 4.0 7 0.0f 9 6 241 0.17 0.91 sx BUD 19002592 BUD 312

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Magnitude Err Nsta Author OrigID
ML 1.3 0.1 3 BUD 19002592

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
JOS 0.17 248.7 Pg 08:04:13.775 0.2 T__ 328.3 --- ML 1.3 1010828 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.17 248.7 Lg 08:04:16.479 0.0 T__ --- 1010832 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
KECS 0.21 249.1 Pg 08:04:14.329 -0.0 T__ 939.0 --- ML 1.8 1010830 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.21 249.1 Lg 08:04:17.565 -0.2 T__ --- 1010829 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
ABAH 0.40 130.2 Pg 08:04:18.502 0.2 T__ 62.0 --- ML 1.2 1010831 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.40 130.2 Lg 08:04:24.698 -0.6 T__ --- 1010833 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
HU02A 0.47 201.2 Lg 08:04:27.931 0.5 T__ --- 1010834 FDSN Z6 00 BUD iLoc HHN ??? _
PSZ 0.87 223.0 Lg 08:04:40.696 -0.7 T__ --- 1010835 FDSN GE -- BUD iLoc HHN ??? _
ET1H 0.91 222.1 Lg 08:04:42.234 -0.1 T__ --- 1010836 FDSN HU -- BUD iLoc HHN ??? _

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/23	08:18:05.39	1.02	1.05	46.0637	22.8226	9.4	4.4	78	0.0f		9	5	138	0.19	0.95	sx	BUD	19002594	BUD			250

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.1	4 BUD	19002594

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DEV	0.19	162.6	Pg	08:18:08.985	-0.0					T__		1315.2		___	ML	1.9	1010862	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.19	162.6	Lg	08:18:11.540	-0.1					T__				---		1010863	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
GZR	0.67	182.8	Pg	08:18:18.438	0.2					T__		92.9		___	ML	1.8	1010865	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	0.67	182.8	Lg	08:18:27.764	-0.0					T__				---		1010864	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
DRGR	0.73	354.0	Pg	08:18:20.695	0.5					T__		48.2		___	ML	1.6	1010867	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	0.73	354.0	Lg	08:18:29.723	-2.3					T__				---		1010868	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
LOT	0.90	132.5	Pg	08:18:23.378	0.6					T__		86.7		___	ML	1.9	1010866	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
LOT	0.90	132.5	Lg	08:18:35.152	-0.8					T__				---		1010869	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
BZS	0.95	242.5	Lg	08:18:37.373	-0.1					T__				---		1010870	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/23	09:18:44.32	1.12	1.51	47.4272	18.2538	7.0	5.5	107	0.0f		9	8	111	0.06	1.34	sx	BUD	19002596	BUD			154

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.06	176.0	Pg	09:18:46.682	0.4					T__		2928.1		___	ML	1.9	1010895	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.06	176.0	Lg	09:18:47.533	-0.8					T__				---		1010896	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=0)																									
HU08A	0.22	271.2	Lg	09:18:53.080	-0.6					T__				---		1010897	FDSN	Z6	00	BUD	iLoc	HHE	???	_	
HU09A	0.23	22.3	Lg	09:18:53.651	-0.2					T__				---		1010902	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.55	242.4	Lg	09:19:04.356	0.2					T__				---		1010903	FDSN	HU	--	BUD	iLoc	HHN	???	_	
ET1H	1.18	66.9	Sn	09:19:24.166	-0.9					T__				---		1010898	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	1.21	65.5	Sn	09:19:24.166	-2.1					T__				---		1010899	FDSN	GE	--	BUD	iLoc	HHN	???	_	
MORH	1.24	167.4	Sn	09:19:23.399	-2.7					T__				---		1010900	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOVH	1.34	184.6	Sn	09:19:28.168	-0.4					T__				---		1010901	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/23	10:03:14.06	3.34	0.52	48.6403	19.8992	20.9	6.3	143	0.0f		10	6	287	0.42	0.96	sx	BUD	19002598	BUD			289

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.1	4 BUD	19002598

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L

KECS	0.42	111.8	Pg	10:03:22.526	-0.0	T__	81.5	___	ML	1.4	1011103	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.42	111.8	Lg	10:03:28.914	-0.1	T__		---			1011104	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Reading ML: 1.4 magdef=1)																			
(Station ML: 1.4 magdef=1)																			
JOS	0.45	108.5	Pg	10:03:23.442	0.3	T__	38.3	___	ML	1.1	1011099	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.45	108.5	Lg	10:03:30.127	0.1	T__		---			1011105	FDSN	Z6	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.1 magdef=1)																			
(Station ML: 1.1 magdef=1)																			
HU02A	0.67	140.9	Pg	10:03:27.168	-0.7	T__	26.4	___	ML	1.3	1011100	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.67	140.9	Lg	10:03:38.963	0.6	T__		---			1011106	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.3 magdef=1)																			
(Station ML: 1.3 magdef=1)																			
PSZ	0.72	180.3	Pg	10:03:29.297	-0.1	T__	36.2	___	ML	1.5	1011101	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.72	180.3	Lg	10:03:40.326	-0.1	T__		---			1011107	FDSN	GE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.5 magdef=1)																			
(Station ML: 1.5 magdef=1)																			
ET1H	0.76	181.4	Lg	10:03:41.816	0.5	T__		---			1011102	FDSN	HU	--	BUD	iLoc	HHN	???	_
ABAH	0.96	110.6	Lg	10:03:46.666	-0.7	T__		---			1011108	FDSN	HU	--	BUD	iLoc	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/23	10:13:36.58	1.10	1.27	47.5647	18.3459	16.5	3.8	100	0.0f		5	3	177	0.08	0.25	sx	BUD	19002600	BUD			336
2023/05/23	10:13:36.08	1.01	1.05	47.5600	18.4573f				0.0f		5	3	235	0.09	0.27	kx	BUD_GT	19002601	BUD_GT			348
(locality: Tatabánya Hungary)																						
(GT info : GT2 explosion)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.4	3 BUD_GT	19002601

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU09A	0.09	327.2	Pg	10:13:39.203	0.7					T__		1172.4		___	ML	1.6	1011168	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU09A	0.09	327.2	Lg	10:13:39.980	-0.9					T__				---		1011171	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
CSKK	0.24	214.2	Pg	10:13:41.636	0.3					T__		170.2		___	ML	1.2	1011172	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
SRO	0.27	339.1	Pg	10:13:42.740	0.8					T__		700.2		___	ML	1.9	1011169	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
SRO	0.27	339.1	Lg	10:13:45.435	-1.6					T__				---		1011170	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/23	10:28:03.41	1.19	0.90	48.2902	19.8981	8.4	3.5	122	0.0f		12	8	165	0.37	1.16	sx	BUD	19002602	BUD			216

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.1	4 BUD	19002602

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
PSZ	0.37	180.4	Pg	10:28:11.987	0.3					T__		189.4		___	ML	1.6	1011203	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.37	180.4	Lg	10:28:17.290	-0.6					T__				---		1011207	FDSN	GE	--	BUD	iLoc	HHN	???	_	

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(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
ET1H 0.41 182.5 Lg 10:28:18.482 -0.3 T__ --- 1011208 FDSN HU -- BUD iLoc HHN ??? _
HU03A 0.44 207.5 Lg 10:28:19.202 -0.3 T__ --- 1011210 FDSN Z6 00 BUD iLoc HHN ??? _
KECS 0.44 63.5 Pg 10:28:13.392 1.1 T__ 178.6 --- ML 1.8 1011205 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.44 63.5 Lg 10:28:18.691 -0.4 T__ --- 1011209 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
HU02A 0.45 111.6 Pg 10:28:13.850 0.8 T__ 88.4 --- ML 1.5 1011204 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.45 111.6 Lg 10:28:19.117 -1.3 T__ --- 1011212 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
JOS 0.47 64.1 Pg 10:28:13.328 0.3 T__ 112.3 --- ML 1.7 1011206 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.47 64.1 Lg 10:28:19.628 -0.7 T__ --- 1011211 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
ABAH 0.90 89.1 Lg 10:28:34.787 -0.5 T__ --- 1011213 FDSN HU -- BUD iLoc HHN ??? _
NIE 1.16 13.1 Lg 10:28:40.834 -1.4 T__ --- 1011214 FDSN PL -- BUD iLoc BHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/05/23 16:15:29.16 0.23 0.94 46.1020 21.5076 2.7 2.2 15 5.0f 80 65 43 0.49 4.84 ke BUD 19002604 BUD 61

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Magnitude Err Nsta Author OrigID
ML 4.2 0.2 59 BUD 19002604

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
BZS 0.49 171.0 Pg 16:15:38.766 -0.1 T__ 18065.0 --- ML 3.9 1012483 FDSN RO -- BUD iLoc BHZ BHZ _
BZS 0.49 171.0 Lg 16:15:45.935 0.0 T__ --- 1012484 FDSN RO -- BUD iLoc BHN ??? _
(Reading ML: 3.9 magdef=1
(Station ML: 3.9 magdef=1
HU24A 0.84 343.5 Pg 16:15:46.140 -0.4 T__ 21003.3 --- ML 4.3 1012558 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 4.3 magdef=1
(Station ML: 4.3 magdef=0
HU06A 0.89 313.5 Pg 16:15:47.618 0.0 T__ 20247.6 --- ML 4.3 1012547 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 4.3 magdef=1
(Station ML: 4.3 magdef=0
DEV 1.00 102.2 Pg 16:15:47.463 -0.7 T__ 8427.2 --- ML 4.0 1012485 FDSN RO -- BUD iLoc BHZ BHZ _
DEV 1.00 102.2 Lg 16:16:01.898 -0.3 T__ --- 1012486 FDSN RO -- BUD iLoc BHN ??? _
(Reading ML: 4.0 magdef=1
(Station ML: 4.0 magdef=1
HU14A 1.05 289.7 Pg 16:15:49.947 -0.3 T__ 14288.1 --- ML 4.2 1012554 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 4.2 magdef=1
(Station ML: 4.2 magdef=1
DRGR 1.08 49.9 Pn 16:15:49.767 -0.2 T__ 22397.0 --- ML 4.5 1012487 FDSN RO -- BUD iLoc BHZ BHZ _
DRGR 1.08 49.9 Lg 16:16:03.459 -1.9 T__ --- 1012539 FDSN RO -- BUD iLoc BHN ??? _
(Reading ML: 4.5 magdef=1
(Station ML: 4.5 magdef=0
GZR 1.14 128.1 Pg 16:15:50.339 -0.5 T__ 13615.0 --- ML 4.3 1012488 FDSN RO -- BUD iLoc BHZ BHZ _
(Reading ML: 4.3 magdef=1
(Station ML: 4.3 magdef=1
HU12A 1.18 336.8 Pn 16:15:51.596 0.7 T__ 10818.3 --- ML 4.2 1012552 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 4.2 magdef=1

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(Station ML: 4.2 magdef=1 HU21A 1.26 281.2 Pg (Reading ML: 4.1 magdef=1 (Station ML: 4.1 magdef=1	16:15:52.570 -1.4	T__	7118.1	___ ML	4.1 1012555	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
LTVH 1.31 11.7 Pn LTVH 1.31 11.7 Sn (Reading ML: 4.2 magdef=1 (Station ML: 4.2 magdef=1	16:15:53.680 0.8 16:16:11.312 0.2	T__ T__	9088.2	___ ML ---	4.2 1012489 1012490	FDSN HU FDSN HU	-- BUD -- BUD	iLoc iLoc	HHZ HHZ HHN ???	_
HU13A 1.35 311.6 Pg (Reading ML: 4.2 magdef=1 (Station ML: 4.2 magdef=1	16:15:54.567 -2.0	T__	8177.6	___ ML	4.2 1012553	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
HU05A 1.47 350.2 Pn (Reading ML: 4.0 magdef=1 (Station ML: 4.0 magdef=1	16:15:55.542 0.6	T__	5018.7	___ ML	4.0 1012546	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
FRGS 1.52 232.2 Pn (Reading ML: 4.2 magdef=1 (Station ML: 4.2 magdef=1	16:15:56.112 0.4	T__	6749.7	___ ML	4.2 1012541	FDSN SJ	-- BUD	iLoc	BHZ BHZ	_
CJR 1.57 66.3 Pn CJR 1.57 66.3 Sn (Reading ML: 4.7 magdef=1 (Station ML: 4.7 magdef=0	16:15:57.190 0.2 16:16:19.085 1.0	T__ T__	20291.3	___ ML ---	4.7 1012491 1012518	FDSN RO FDSN RO	-- BUD -- BUD	iLoc iLoc	BHZ BHZ BHN ???	_
HU04B 1.60 297.2 Pn (Reading ML: 4.2 magdef=1 (Station ML: 4.2 magdef=1	16:15:56.980 0.3	T__	6690.0	___ ML	4.2 1012545	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
DJES 1.60 153.2 Lg HU22A 1.67 278.7 Pn (Reading ML: 4.0 magdef=1 (Station ML: 4.0 magdef=1	16:16:19.706 -0.8 16:15:58.028 0.4	T__ T__	4121.1	___ ML ---	1012538 4.0 1012556	FDSN SJ FDSN Z6	-- BUD 00 BUD	iLoc iLoc	BHN ??? HHZ HHZ	_
LOT 1.71 111.6 Pn LOT 1.71 111.6 Sn (Reading ML: 4.3 magdef=1 (Station ML: 4.3 magdef=1	16:15:59.260 -0.1 16:16:22.898 1.0	T__ T__	6607.0	___ ML ---	4.3 1012492 1012519	FDSN RO FDSN RO	-- BUD -- BUD	iLoc iLoc	BHZ BHZ BHN ???	_
HU23A 1.76 331.1 Pn (Reading ML: 4.1 magdef=1 (Station ML: 4.1 magdef=1	16:15:59.973 0.9	T__	3803.1	___ ML	4.1 1012557	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
HU01A 1.80 314.4 Pn (Reading ML: 4.4 magdef=1 (Station ML: 4.4 magdef=0	16:16:00.212 0.6	T__	7287.1	___ ML	4.4 1012542	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
HU11A 1.84 352.9 Pn (Reading ML: 4.5 magdef=1 (Station ML: 4.5 magdef=0	16:16:00.827 0.7	T__	8780.9	___ ML	4.5 1012551	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
A272A 1.87 291.0 Lg HU07A 1.90 8.3 Pn (Reading ML: 4.2 magdef=1 (Station ML: 4.2 magdef=1	16:16:30.334 -1.5 16:16:01.450 0.4	T__ T__	4874.7	___ ML ---	1012532 4.2 1012548	FDSN Z6 FDSN Z6	00 BUD 00 BUD	iLoc iLoc	HHN ??? HHZ HHZ	_
MORH 1.99 274.3 Pn (Reading ML: 3.7 magdef=1 (Station ML: 3.7 magdef=0	16:16:01.791 -0.4	T__	1313.8	___ ML	3.7 1012493	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
BMR 2.08 40.2 Pn BMR 2.08 40.2 Lg (Reading ML: 4.7 magdef=1 (Station ML: 4.7 magdef=0	16:16:04.657 0.6 16:16:33.729 -2.7	T__ T__	11564.0	___ ML ---	4.7 1012494 1012536	FDSN RO FDSN RO	-- BUD -- BUD	iLoc iLoc	BHZ BHZ BHN ???	_
ET1H 2.10 328.4 Pn	16:16:03.837 -0.0	T__	1488.2	___ ML	3.8 1012540	FDSN HU	-- BUD	iLoc	HHZ HHZ	_



(Reading ML: 3.8 magdef=1 (Station ML: 3.8 magdef=0 A271A 2.12 300.7 Lg 16:16:39.306 -0.7 T__					1012531	FDSN	Z6	00	BUD	iLoc	HHN	???	_
PSZ 2.13 329.3 Pn 16:16:04.330 -0.1 T__	2022.5	_c_ ML	4.0	1012496	FDSN	GE		--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.0 magdef=1 (Station ML: 4.0 magdef=1 HU02A 2.13 342.0 Pn 16:16:04.180 -0.2 T__	1244.2	___ ML	3.8	1012543	FDSN	Z6		00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.8 magdef=1 (Station ML: 3.8 magdef=0 TRPA 2.15 18.8 Pn 16:16:04.376 -0.3 T__	2254.7	___ ML	4.0	1012495	FDSN	HU		--	BUD	iLoc	HHZ	HHZ	_
TRPA 2.15 18.8 Pg 16:16:09.898 -0.8 T__		___		1012520	FDSN	HU		--	BUD	iLoc	HHZ	???	_
(Reading ML: 4.0 magdef=1 (Station ML: 4.0 magdef=1 BUD 2.20 309.9 Pn 16:16:04.583 -0.5 T__	1240.9	___ ML	3.8	1012498	FDSN	HU		--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.8 magdef=1 (Station ML: 3.8 magdef=0 ABAH 2.20 355.3 Pn 16:16:05.380 0.1 T__	1569.3	___ ML	3.9	1012497	FDSN	HU		--	BUD	iLoc	HHZ	HHZ	_
ABAH 2.20 355.3 Pg 16:16:10.999 -1.2 T__		___		1012521	FDSN	HU		--	BUD	iLoc	HHZ	???	_
(Reading ML: 3.9 magdef=1 (Station ML: 3.9 magdef=0 HU03A 2.23 324.8 Pn 16:16:06.080 0.6 T__	2731.2	___ ML	4.2	1012544	FDSN	Z6		00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.2 magdef=1 (Station ML: 4.2 magdef=1 A267A 2.25 293.1 Lg 16:16:42.219 -2.1 T__		___		1012530	FDSN	Z6		00	BUD	iLoc	HHN	???	_
A266A 2.29 281.8 Pn 16:16:06.564 0.2 T__	4441.3	___ ML	4.4	1012529	FDSN	Z6		00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.4 magdef=1 (Station ML: 4.4 magdef=0 KOVH 2.37 270.9 Pn 16:16:07.118 -0.4 T__	953.7	___ ML	3.8	1012499	FDSN	HU		--	BUD	iLoc	HHZ	HHZ	_
KOVH 2.37 270.9 Pg 16:16:13.899 -0.7 T__		___		1012522	FDSN	HU		--	BUD	iLoc	HHZ	???	_
(Reading ML: 3.8 magdef=1 (Station ML: 3.8 magdef=0 KECS 2.48 344.1 Pn 16:16:10.156 1.0 T__	1109.3	___ ML	3.9	1012500	FDSN	SK		--	BUD	iLoc	EHZ	EHZ	_
(Reading ML: 3.9 magdef=1 (Station ML: 3.9 magdef=1 JOS 2.48 345.0 Pn 16:16:09.894 0.7 T__	849.9	___ ML	3.8	1012559	FDSN	Z6		--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.8 magdef=1 (Station ML: 3.8 magdef=0 CSKK 2.56 300.6 Pn 16:16:10.599 0.3 T__	1912.8	___ ML	4.2	1012501	FDSN	HU		--	BUD	iLoc	HHZ	HHZ	_
CSKK 2.56 300.6 Lg 16:16:51.481 -3.3 T__		___		1012523	FDSN	HU		--	BUD	iLoc	HHN	???	_
(Reading ML: 4.2 magdef=1 (Station ML: 4.2 magdef=1 A265A 2.60 278.5 Pg 16:16:17.983 -1.0 T__	2052.3	___ ML	4.3	1012528	FDSN	Z6		00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.3 magdef=1 (Station ML: 4.3 magdef=1 TIH 2.62 289.0 Pn 16:16:11.328 0.3 T__	2707.7	___ ML	4.4	1012502	FDSN	HU		--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.4 magdef=1 (Station ML: 4.4 magdef=0 HU09A 2.64 306.8 Pn 16:16:11.899 0.6 T__	1946.5	___ ML	4.3	1012550	FDSN	Z6		00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.3 magdef=1 (Station ML: 4.3 magdef=1 BBL5 2.69 214.5 Pn 16:16:12.178 -0.2 T__	1972.8	___ ML	4.3	1012533	FDSN	SJ		--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 4.3 magdef=1 (Station ML: 4.3 magdef=1													

HU08A	2.80	299.7	Pn	16:16:14.213	0.7	T__	1341.4	___ ML	4.2	1012549	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 4.2 magdef=1)																			
(Station ML: 4.2 magdef=1)																			
KOLS	2.88	10.1	Pn	16:16:15.336	0.2	T__		---		1012560	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
A264A	2.93	272.6	Pg	16:16:24.159	-0.9	T__	1841.2	___ ML	4.4	1012527	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 4.4 magdef=1)																			
(Station ML: 4.4 magdef=0)																			
MPLH	2.94	292.8	Pn	16:16:15.842	0.4	T__	755.5	___ ML	4.0	1012503	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 4.0 magdef=1)																			
(Station ML: 4.0 magdef=1)																			
A263A	2.95	282.0	Pn	16:16:16.002	0.3	T__	1293.8	___ ML	4.3	1012525	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
A263A	2.95	282.0	Lg	16:17:05.407	-0.0	T__		---		1012526	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 4.3 magdef=1)																			
(Station ML: 4.3 magdef=1)																			
EGYH	3.16	296.1	Pn	16:16:20.569	2.0	T__	994.8	___ ML	4.3	1012504	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
EGYH	3.16	296.1	Sn	16:16:57.092	0.9	T__		---		1012524	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 4.3 magdef=1)																			
(Station ML: 4.3 magdef=1)																			
BEHE	3.30	278.1	Lg	16:17:17.603	1.9	T__		---		1012534	FDSN	HU	--	BUD	iLoc	HHN	???	_	
BLY	3.33	247.6	Pn	16:16:21.061	-0.3	T__	437.4	___ ML	4.0	1012505	FDSN	MN	--	BUD	iLoc	HHZ	HHZ	_	
BLY	3.33	247.6	Lg	16:17:17.341	1.4	T__		---		1012535	FDSN	MN	--	BUD	iLoc	HHN	???	_	
(Reading ML: 4.0 magdef=1)																			
(Station ML: 4.0 magdef=1)																			
NIE	3.42	346.6	Pn	16:16:23.705	1.1	T__	138.5	___ ML	3.5	1012561	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_	
(Reading ML: 3.5 magdef=1)																			
(Station ML: 3.5 magdef=0)																			
KWP	3.62	12.4	Pn	16:16:26.818	0.9	T__	511.5	___ ML	4.2	1012506	FDSN	PL	--	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 4.2 magdef=1)																			
(Station ML: 4.2 magdef=1)																			
MODS	3.67	309.8	Pn	16:16:25.838	-0.1	T__	273471.2	___ ML	7.0	1012507	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 7.0 magdef=1)																			
(Station ML: 7.0 magdef=0)																			
SOP	3.74	296.8	Pn	16:16:27.177	0.4	T__	331.4	___ ML	4.1	1012508	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 4.1 magdef=1)																			
(Station ML: 4.1 magdef=1)																			
JAVC	3.79	318.1	Pn	16:16:28.173	0.4	T__	340.6	___ ML	4.1	1012509	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 4.1 magdef=1)																			
(Station ML: 4.1 magdef=1)																			
RONA	3.91	296.0	Pn	16:16:29.334	0.1	T__	232.0	___ ML	3.9	1012510	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 3.9 magdef=1)																			
(Station ML: 3.9 magdef=1)																			
CRES	4.23	268.4	Pn	16:16:33.101	-0.7	T__	223.1	___ ML	4.0	1012511	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_	
CRES	4.23	268.4	Pg	16:16:49.006	1.4	T__		---		1012537	FDSN	SL	--	BUD	iLoc	BHZ	???	_	
(Reading ML: 4.0 magdef=1)																			
(Station ML: 4.0 magdef=1)																			
CONA	4.27	297.4	Pn	16:16:34.300	-0.0	T__	207.5	___ ML	4.0	1012512	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 4.0 magdef=1)																			
(Station ML: 4.0 magdef=1)																			
OJC	4.28	345.1	Pn	16:16:35.233	0.5	T__	170.5	___ ML	3.9	1012562	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_	
(Reading ML: 3.9 magdef=1)																			
(Station ML: 3.9 magdef=0)																			
ARSA	4.28	287.7	Pn	16:16:34.465	0.2	T__	263.8	___ ML	4.1	1012513	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 4.1 magdef=1)																			

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(Station ML: 4.1 magdef=1
MORC 4.54 325.5 Pn 16:16:37.947 -0.2 T__ 354.6 ___ ML 4.3 1012514 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 4.3 magdef=1
(Station ML: 4.3 magdef=1
KRUC 4.55 312.4 Pn 16:16:37.548 -0.5 T__ 152.3 ___ ML 3.9 1012515 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 3.9 magdef=1
(Station ML: 3.9 magdef=0
VRAC 4.61 315.8 Pn 16:16:38.938 -0.0 T__ 143.3 ___ ML 3.9 1012516 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 3.9 magdef=1
(Station ML: 3.9 magdef=0
OBKA 4.84 277.3 Pn 16:16:43.235 0.7 T__ 149.0 ___ ML 4.0 1012517 FDSN OE -- BUD iLoc HHZ HHZ _
(Reading ML: 4.0 magdef=1
(Station ML: 4.0 magdef=1

```

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/23	16:29:01.86	2.18	1.55	46.0875	21.3753	15.5	10.8	169	15.0f	6	4	181	0.50	1.44	ke	BUD	19002606	BUD				254

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BZS	0.50	160.2	Pg	16:29:12.013	0.1					T__		65.0		___	ML	1.5	1012705	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.50	160.2	Lg	16:29:18.891	-0.1					T__				---		1012706	FDSN	RO	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.5 magdef=1)								(Station ML: 1.5 magdef=1)													
DRGR	1.16	52.2	Pn	16:29:23.218	0.6					T__		50.3		___	ML	1.8	1012708	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	1.16	52.2	Sn	16:29:36.706	-2.2					T__				---		1012707	FDSN	RO	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.8 magdef=1)								(Station ML: 1.8 magdef=1)													
GZR	1.20	124.8	Sn	16:29:38.325	-1.5					T__				---		1012709	FDSN	RO	--	BUD	iLoc	HHN	???	_	
FRGS	1.44	230.3	Lg	16:29:51.578	-0.1					T__				---		1012710	FDSN	SJ	--	BUD	iLoc	BHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/05/23	20:25:48.12	1.16	0.66	46.1231	21.5887	9.0	5.7	133	5.4	20.7	13	9	68	0.51	2.13	ke	BUD	19002608	BUD				111

Magnitude Err Nsta Author OrigID  
ML 2.3 0.1 5 BUD 19002608

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BZS	0.51	177.8	Pg	20:25:58.024	-0.1					T__		154.8		___	ML	1.9	1012739	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.51	177.8	Lg	20:26:04.603	-0.8					T__				---		1012740	FDSN	RO	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.9 magdef=1)								(Station ML: 1.9 magdef=0)													
BANR	0.81	203.4	Lg	20:26:16.131	1.0					T__				---		1012742	FDSN	RO	--	BUD	iLoc	HHN	???	_	
HU06A	0.92	310.2	Lg	20:26:19.224	-0.2					T__				---		1012741	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
DRGR	1.02	48.8	Pg	20:26:08.623	0.2					T__		167.1		___	ML	2.3	1012745	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	1.02	48.8	Lg	20:26:22.313	-0.2					T__				---		1012746	FDSN	RO	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.3 magdef=1)								(Station ML: 2.3 magdef=1)													
HU14A	1.10	287.8	Pg	20:26:09.758	-0.4					T__		191.4		___	ML	2.4	1012744	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU14A	1.10	287.8	Sn	20:26:24.130	-0.5					T__				---		1012743	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

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(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=1
GZR 1.11 130.8 Lg 20:26:24.676 0.0 T__ --- 1012747 FDSN RO -- BUD iLoc HHN ??? _
CJR 1.51 66.3 Pg 20:26:17.261 -0.2 T__ 113.4 --- ML 2.4 1012749 FDSN RO -- BUD iLoc HHZ HHZ _
CJR 1.51 66.3 Lg 20:26:38.297 0.8 T__ --- 1012748 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=0
FRGS 1.58 232.9 Sn 20:26:37.824 1.0 T__ --- 1012750 FDSN SJ -- BUD iLoc BHN ??? _
HU02A 2.13 340.4 Pn 20:26:23.200 -0.1 T__ 21.7 --- ML 2.0 1012751 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/05/23 20:30:49.68 1.04 1.06 46.1038 21.5733 8.3 6.1 85 10.0f 15 10 108 0.49 1.67 ke BUD 19002610 BUD 135

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Magnitude Err Nsta Author OrigID
ML 2.5 0.1 5 BUD 19002610

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
BZS 0.49 176.4 Pg 20:30:59.329 -0.1 T__ 310.2 --- ML 2.1 1012788 FDSN RO -- BUD iLoc HHZ HHZ _
BZS 0.49 176.4 Lg 20:31:05.908 -0.4 T__ --- 1012789 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=0
BANR 0.78 203.2 Sn 20:31:17.927 0.1 T__ --- 1012791 FDSN RO -- BUD iLoc HHN ??? _
HU24A 0.86 340.6 Sn 20:31:19.481 -0.0 T__ --- 1012790 FDSN Z6 00 BUD iLoc HHN ??? _
HU06A 0.92 311.5 Lg 20:31:20.652 0.1 T__ --- 1012793 FDSN Z6 00 BUD iLoc HHN ??? _
DEV 0.95 102.9 Sn 20:31:23.293 1.2 T__ --- 1012792 FDSN RO -- BUD iLoc HHN ??? _
DRGR 1.05 48.4 Pn 20:31:09.921 0.5 T__ 253.4 --- ML 2.5 1012795 FDSN RO -- BUD iLoc HHZ HHZ _
DRGR 1.05 48.4 Lg 20:31:23.378 -0.8 T__ --- 1012794 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=1
GZR 1.10 129.7 Pn 20:31:11.284 0.9 T__ 272.9 --- ML 2.5 1012796 FDSN RO -- BUD iLoc HHZ HHZ _
GZR 1.10 129.7 Lg 20:31:25.507 0.1 T__ --- 1012797 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=1
HU12A 1.20 334.8 Sn 20:31:26.955 -0.7 T__ --- 1012798 FDSN Z6 00 BUD iLoc HHN ??? _
CJR 1.53 65.8 Pg 20:31:18.821 -0.5 T__ 231.9 --- ML 2.7 1012800 FDSN RO -- BUD iLoc HHZ HHZ _
CJR 1.53 65.8 Lg 20:31:39.261 0.2 T__ --- 1012799 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 2.7 magdef=1
(Station ML: 2.7 magdef=0
LOT 1.67 112.3 Pn 20:31:20.632 1.9 T__ 55.7 --- ML 2.2 1012802 FDSN RO -- BUD iLoc HHZ HHZ _
LOT 1.67 112.3 Sn 20:31:42.775 2.4 T__ --- 1012801 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/05/23 20:32:31.62 0.96 0.84 46.1165 21.5741 7.0 6.2 164 10.0f 17 10 77 0.50 1.68 ke BUD 19002612 BUD 108

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Magnitude Err Nsta Author OrigID
ML 2.7 0.3 7 BUD 19002612

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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BZS	0.50	176.6	Pg	20:32:41.252	-0.3					T__		515.7		___	ML	2.4	1012843	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.50	176.6	Lg	20:32:47.959	-0.7					T__				---		1012844	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=1)																									
BANR	0.80	202.9	Pg	20:32:47.097	0.1					T__		2427.1		___	ML	3.3	1012846	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BANR	0.80	202.9	Sn	20:32:59.446	-0.7					T__				---		1012845	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 3.3 magdef=1)																									
(Station ML: 3.3 magdef=0)																									
HU06A	0.92	310.9	Lg	20:33:02.512	0.3					T__				---		1012849	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
DEV	0.96	103.7	Pg	20:32:49.652	-0.2					T__		201.6		---	ML	2.3	1012847	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.96	103.7	Sn	20:33:05.493	1.5					T__				---		1012848	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=0)																									
DRGR	1.04	48.9	Pn	20:32:52.122	0.9					T__		452.7		---	ML	2.7	1012850	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	1.04	48.9	Lg	20:33:05.322	-0.5					T__				---		1012851	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.7 magdef=1)																									
(Station ML: 2.7 magdef=1)																									
GZR	1.11	130.2	Pn	20:32:52.633	0.2					T__		439.3		---	ML	2.8	1012853	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	1.11	130.2	Lg	20:33:07.707	0.2					T__				---		1012852	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.8 magdef=1)																									
(Station ML: 2.8 magdef=1)																									
HU12A	1.18	334.5	Lg	20:33:10.518	-0.3					T__				---		1012854	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU21A	1.30	280.3	Sn	20:33:11.795	-0.3					T__				---		1012855	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CJR	1.52	66.2	Pg	20:33:00.851	-0.3					T__		411.0		---	ML	3.0	1012857	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
CJR	1.52	66.2	Lg	20:33:21.462	0.7					T__				---		1012856	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 3.0 magdef=1)																									
(Station ML: 3.0 magdef=1)																									
LOT	1.68	112.7	Pn	20:33:02.874	2.2					T__		112.0		---	ML	2.5	1012859	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
LOT	1.68	112.7	Lg	20:33:25.890	0.0					T__				---		1012858	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.5 magdef=1)																									
(Station ML: 2.5 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/23	21:42:04.21	0.89	0.72	46.0859	21.5068	9.4	6.0	54	10.0f		38	34	74	0.48	3.68	ke	BUD	19002616	BUD			104

Magnitude	Err	Nsta	Author	OrigID
ML	3.0	0.1	32 BUD	19002616

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BZS	0.48	170.7	Pg	21:42:13.836	0.1					T__		2123.1		___	ML	2.9	1013303	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.48	170.7	Lg	21:42:20.319	-0.2					T__				---		1013308	FDSN	RO	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.9 magdef=1)																									
(Station ML: 2.9 magdef=1)																									
BANR	0.75	200.4	Pn	21:42:19.408	-0.1					T__		7758.5		---	ML	3.8	1013309	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 3.8 magdef=1)																									
(Station ML: 3.8 magdef=0)																									
DEV	0.99	101.3	Pn	21:42:22.197	-1.0					T__		518.4		---	ML	2.8	1013304	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 2.8 magdef=1)																									
(Station ML: 2.8 magdef=1)																									
DRGR	1.09	49.3	Pn	21:42:24.522	-0.0					T__		1081.1		---	ML	3.1	1013305	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_

(Reading ML: 3.1 magdef=1 (Station ML: 3.1 magdef=1 GZR 1.13 127.5 Pn 21:42:25.047 -0.2	T__	2077.6	___ ML	3.4 1013310	FDSN RO	-- BUD	iLoc	BHZ BHZ	_
(Reading ML: 3.4 magdef=1 (Station ML: 3.4 magdef=0 LTVH 1.33 11.6 Pn 21:42:28.277 0.8	T__	502.2	___ ML	2.9 1013306	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 2.9 magdef=1 (Station ML: 2.9 magdef=1 BSZH 1.48 325.3 Pn 21:42:30.630 1.0	T__	430.0	___ ML	3.0 1013311	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 3.0 magdef=1 (Station ML: 3.0 magdef=1 CJR 1.58 65.8 Pn 21:42:31.766 0.3	T__	1433.3	___ ML	3.5 1013312	FDSN RO	-- BUD	iLoc	BHZ BHZ	_
CJR 1.58 65.8 Lg 21:42:54.059 -1.0	T__		___	1013313	FDSN RO	-- BUD	iLoc	BHN ???	_
(Reading ML: 3.5 magdef=1 (Station ML: 3.5 magdef=0 LOT 1.71 111.1 Pn 21:42:33.713 0.0	T__	368.2	___ ML	3.0 1013315	FDSN RO	-- BUD	iLoc	BHZ BHZ	_
LOT 1.71 111.1 Lg 21:42:58.021 -1.4	T__		___	1013314	FDSN RO	-- BUD	iLoc	BHN ???	_
(Reading ML: 3.0 magdef=1 (Station ML: 3.0 magdef=1 A272A 1.88 291.5 Pn 21:42:35.354 0.3	T__	259.7	___ ML	3.0 1013316	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
A272A 1.88 291.5 Lg 21:43:05.186 -1.5	T__		___	1013317	FDSN Z6	00 BUD	iLoc	HHN ???	_
(Reading ML: 3.0 magdef=1 (Station ML: 3.0 magdef=1 HU07A 1.92 8.2 Pn 21:42:36.209 0.5	T__	255.9	___ ML	3.0 1013318	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 3.0 magdef=1 (Station ML: 3.0 magdef=1 MORH 1.99 274.7 Pn 21:42:36.492 -0.1	T__	115.7	___ ML	2.7 1013319	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 2.7 magdef=1 (Station ML: 2.7 magdef=0 ET1H 2.11 328.6 Pn 21:42:38.202 -0.3	T__	92.2	___ ML	2.6 1013320	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 2.6 magdef=1 (Station ML: 2.6 magdef=0 PSZ 2.14 329.5 Pn 21:42:38.919 -0.1	T__	185.8	___ ML	3.0 1013307	FDSN GE	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 3.0 magdef=1 (Station ML: 3.0 magdef=1 HU02A 2.14 342.1 Pn 21:42:38.818 -0.2	T__	94.8	___ ML	2.7 1013321	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 2.7 magdef=1 (Station ML: 2.7 magdef=0 TRPA 2.16 18.6 Pn 21:42:39.172 -0.2	T__	121.6	___ ML	2.8 1013322	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 2.8 magdef=1 (Station ML: 2.8 magdef=1 ABAH 2.22 355.4 Pn 21:42:40.040 0.2	T__	94.0	___ ML	2.7 1013323	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 2.7 magdef=1 (Station ML: 2.7 magdef=0 HU03A 2.24 325.0 Pn 21:42:40.478 0.3	T__	214.2	___ ML	3.1 1013324	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 3.1 magdef=1 (Station ML: 3.1 magdef=1 A267A 2.26 293.5 Pn 21:42:40.951 0.6	T__	179.4	___ ML	3.0 1013326	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 3.0 magdef=1 (Station ML: 3.0 magdef=1 A266A 2.29 282.2 Pn 21:42:40.959 0.1	T__	307.7	___ ML	3.3 1013325	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 3.3 magdef=1 (Station ML: 3.3 magdef=1									

HU10A	2.45	316.8	Pn	21:42:43.558	0.5	T__	158.8	___	ML	3.1	1013327	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 3.1 magdef=1)															
				(Station ML: 3.1 magdef=1)															
KECS	2.50	344.2	Pn	21:42:44.525	0.7	T__	194.6	___	ML	3.2	1013328	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
				(Reading ML: 3.2 magdef=1)															
				(Station ML: 3.2 magdef=1)															
JOS	2.50	345.1	Pn	21:42:44.627	0.8	T__	63.8	___	ML	2.7	1013329	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.7 magdef=1)															
				(Station ML: 2.7 magdef=0)															
CSKK	2.57	300.9	Pn	21:42:44.764	-0.1	T__	120.3	___	ML	3.0	1013330	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 3.0 magdef=1)															
				(Station ML: 3.0 magdef=1)															
A265A	2.60	278.8	Pn	21:42:45.149	0.0	T__	199.4	___	ML	3.2	1013331	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 3.2 magdef=1)															
				(Station ML: 3.2 magdef=1)															
TIH	2.63	289.4	Pn	21:42:46.212	0.7	T__	203.1	___	ML	3.3	1013332	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 3.3 magdef=1)															
				(Station ML: 3.3 magdef=0)															
HU09A	2.65	307.1	Pn	21:42:46.534	0.7	T__	139.8	___	ML	3.1	1013333	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 3.1 magdef=1)															
				(Station ML: 3.1 magdef=1)															
SRO	2.79	309.5	Pn	21:42:48.789	1.0	T__	313.2	___	ML	3.5	1013334	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
				(Reading ML: 3.5 magdef=1)															
				(Station ML: 3.5 magdef=0)															
HU08A	2.81	299.9	Pn	21:42:48.546	0.5	T__	80.3	___	ML	3.0	1013335	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 3.0 magdef=1)															
				(Station ML: 3.0 magdef=1)															
KOLS	2.90	10.1	Pn	21:42:51.028	1.3	T__					1013336	FDSN	SK	--	BUD	iLoc	HHZ	???	_
				(Reading ML: 2.8 magdef=1)															
				(Station ML: 2.8 magdef=1)															
MPLH	2.94	293.1	Pn	21:42:50.611	0.6	T__	51.7	___	ML	2.8	1013337	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.8 magdef=1)															
				(Station ML: 2.8 magdef=1)															
A261A	3.13	287.6	Pn	21:42:53.186	0.6	T__	109.6	___	ML	3.3	1013338	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 3.3 magdef=1)															
				(Station ML: 3.3 magdef=0)															
NIE	3.43	346.7	Pn	21:42:58.942	1.7	T__	21.9	___	ML	2.7	1013339	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
				(Reading ML: 2.7 magdef=1)															
				(Station ML: 2.7 magdef=0)															
MODS	3.68	310.0	Pn	21:43:00.273	-0.2	T__					1013340	FDSN	SK	--	BUD	iLoc	HHZ	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/23	22:54:57.96	1.85	1.44	46.0795	21.6104	19.1	9.3	121	15.0f	9	7	105	0.46	1.64		ke	BUD	19002618	BUD			200

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
BZS	0.46	179.5	Pg	22:55:07.090	-0.2					T__		70.6			ML	1.4	1013427	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.46	179.5	Lg	22:55:13.818	-0.1					T__						1013428	FDSN	RO	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.4 magdef=1)																					
				(Station ML: 1.4 magdef=1)																					
BANR	0.77	205.7	Lg	22:55:24.268	0.5					T__						1013433	FDSN	RO	--	BUD	iLoc	HHN	???	_	
HU06A	0.96	311.6	Sn	22:55:28.637	-0.7					T__						1013429	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
DRGR	1.04	46.5	Pn	22:55:17.608	0.4					T__	66.6				ML	1.9	1013430	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_

DRGR	1.04	46.5	Sn	22:55:31.958	-0.3				T__						1013434	FDSN	RO	--	BUD	iLoc	HNN	???	_
(Reading ML: 1.9 magdef=1)																							
(Station ML: 1.9 magdef=1)																							
GZR	1.07	129.6	Sn	22:55:33.300	0.5				T__						1013431	FDSN	RO	--	BUD	iLoc	HNN	???	_
CJR	1.51	64.5	Lg	22:55:47.437	-0.1				T__						1013432	FDSN	RO	--	BUD	iLoc	HNN	???	_
LOT	1.64	111.9	Sn	22:55:50.385	3.4				T__						1013435	FDSN	RO	--	BUD	iLoc	HNN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/24	05:20:24.40	3.87	1.16	45.5150	16.0469	25.4	10.7	148	10.0f		8	5	279	0.31	1.44	ke	BUD	19002620	BUD			314

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.5	4 BUD	19002620

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ZAG	0.31	352.3	Pg	05:20:30.936	0.1					T__		996.4			ML	2.2	1013593	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.31	352.3	Lg	05:20:36.941	1.5					T__						1013596	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
PTJ	0.40	352.0	Pg	05:20:31.958	-0.7					T__		138.5			ML	1.5	1013592	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.40	352.0	Lg	05:20:37.963	-0.8					T__						1013597	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
CRES	0.52	307.1	Pg	05:20:34.492	-0.1					T__		35.3			ML	1.3	1013594	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.52	307.1	Lg	05:20:41.603	-0.7					T__						1013598	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
BEHE	1.08	27.7	Sn	05:21:00.427	0.3					T__						1013599	FDSN	HU	--	BUD	iLoc	HNN	???	_	
OBKA	1.44	314.1	Pg	05:20:52.313	1.7					T__		46.2			ML	2.0	1013595	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/24	07:39:27.33	2.48	0.75	48.7612	19.4299	15.4	7.0	101	0.0f		10	7	239	0.75	1.29	sx	BUD	19002622	BUD			308

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.1	3 BUD	19002622

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
KECS	0.75	111.3	Pg	07:39:42.600	0.3					T__		79.8			ML	1.8	1013632	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.75	111.3	Lg	07:39:53.810	0.2					T__						1013631	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
JOS	0.78	109.4	Lg	07:39:54.000	-0.5					T__						1013633	FDSN	Z6	--	BUD	iLoc	HNN	???	_	
NIE	0.87	40.7	Lg	07:39:55.627	-0.6					T__						1013634	FDSN	PL	--	BUD	iLoc	BHN	???	_	
PSZ	0.90	159.6	Pn	07:39:47.765	1.3					T__		39.7			ML	1.6	1013635	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.90	159.6	Lg	07:39:58.892	-0.8					T__						1013630	FDSN	GE	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
ET1H	0.93	161.4	Lg	07:40:00.041	-0.3					T__						1013636	FDSN	HU	--	BUD	iLoc	HNN	???	_	
HU02A	0.97	130.8	Pn	07:39:48.076	0.8					T__		42.3			ML	1.7	1013628	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_



```
HU02A 0.97 130.8 Lg 07:40:01.277 -0.1 T__ --- 1013627 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
ABAH 1.29 110.5 Sn 07:40:10.220 -0.4 T__ --- 1013629 FDSN HU -- BUD iLoc HHN ??? _
```

```
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/05/24 08:04:51.01 1.37 1.00 47.9134 20.1185 16.3 3.0 156 0.0f 12 8 195 0.15 0.84 sx BUD 19002624 BUD 206
2023/05/24 08:04:51.05 0.90 1.23 47.8987 20.0893f 0.0f 12 8 200 0.13 0.87 kx BUD_GT 19002625 BUD_GT 210
(locality: Recsk Hungary)
(GT info : GT2 explosion)
```

```
Magnitude Err Nsta Author OrigID
ML 2.0 0.1 4 BUD_GT 19002625
```

```
Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
PSZ 0.13 278.6 Pg 08:04:55.283 0.8 T__ 2410.4 --- ML 2.1 1013665 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.13 278.6 Lg 08:04:57.540 0.1 T__ --- 1013666 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
ET1H 0.15 262.5 Pg 08:04:55.518 0.9 T__ 1492.8 --- ML 1.9 1013667 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.15 262.5 Lg 08:04:57.679 0.1 T__ --- 1013669 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
HU03A 0.33 271.1 Lg 08:05:03.986 0.4 T__ --- 1013671 FDSN Z6 00 BUD iLoc HHN ??? _
HU02A 0.37 52.4 Pg 08:04:59.265 0.2 T__ 341.3 --- ML 1.9 1013668 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.37 52.4 Lg 08:05:03.630 -1.7 T__ --- 1013670 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
KECS 0.64 24.2 Lg 08:05:12.032 -1.8 T__ --- 1013672 FDSN SK -- BUD iLoc EHN ??? _
JOS 0.67 26.6 Lg 08:05:14.186 -0.5 T__ --- 1013673 FDSN Z6 -- BUD iLoc HHN ??? _
HU10A 0.72 266.1 Pn 08:05:06.982 -0.3 T__ 161.7 --- ML 2.1 1013675 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU10A 0.72 266.1 Lg 08:05:17.372 -0.3 T__ --- 1013674 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
ABAH 0.87 62.3 Lg 08:05:19.373 -2.9 T__ --- 1013676 FDSN HU -- BUD iLoc HHN ??? _
```

```
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/05/24 08:37:57.27 1.44 0.48 48.9001 21.1390 8.0 7.8 150 0.0f 8 7 133 0.57 1.33 sx BUD 19002626 BUD 220
```

```
Magnitude Err Nsta Author OrigID
```

```
Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
JOS 0.57 224.7 Lg 08:38:17.288 0.2 T__ 1013704 FDSN Z6 -- BUD iLoc HHN ??? _
KECS 0.60 226.3 Pg 08:38:08.899 -0.4 T__ 86.5 --- ML 1.8 1013701 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.60 226.3 Lg 08:38:18.651 0.4 T__ --- 1013705 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
ABAH 0.61 173.6 Lg 08:38:18.890 -0.7 T__ --- 1013706 FDSN HU -- BUD iLoc HHN ??? _
KOLS 0.75 87.0 Lg 08:38:23.907 0.2 T__ --- 1013708 FDSN SK -- BUD iLoc HHN ??? _
NIE 0.76 313.6 Lg 08:38:22.403 0.0 T__ --- 1013707 FDSN PL -- BUD iLoc BHN ??? _
```

HU02A 0.88 207.9 Pg 08:38:15.896 0.6 T\_\_ 25.7 \_\_\_ ML 1.4 1013703 FDSN Z6 00 BUD iLoc HHZ HHZ \_  
 (Reading ML: 1.4 magdef=1  
 (Station ML: 1.4 magdef=1  
 ET1H 1.33 220.1 Sn 08:38:41.603 0.1 T\_\_ \_\_\_ 1013702 FDSN HU -- BUD iLoc HHN ??? \_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/05/24 09:01:36.75 1.30 0.31 48.4839 19.4127 8.2 5.0 110 0.0f 9 7 189 0.65 1.10 sx BUD 19002628 BUD 246

Magnitude Err Nsta Author OrigID  
 ML 1.5 0.1 3 BUD 19002628

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L  
 PSZ 0.65 150.2 Lg 09:02:00.959 0.2 T\_\_ \_\_\_ 1013733 FDSN GE -- BUD iLoc HHN ??? \_  
 ET1H 0.68 152.9 Lg 09:02:01.368 0.2 T\_\_ \_\_\_ 1013735 FDSN HU -- BUD iLoc HHN ??? \_  
 HU10A 0.69 202.6 Lg 09:02:01.991 -0.0 T\_\_ \_\_\_ 1013734 FDSN Z6 00 BUD iLoc HHN ??? \_  
 KECS 0.71 89.7 Lg 09:02:02.148 0.4 T\_\_ \_\_\_ 1013736 FDSN SK -- BUD iLoc EHN ??? \_  
 JOS 0.75 88.7 Pg 09:01:51.227 -0.4 T\_\_ 62.9 \_\_\_ ML 1.7 1013731 FDSN Z6 -- BUD iLoc HHZ HHZ \_  
 JOS 0.75 88.7 Lg 09:02:02.938 0.0 T\_\_ \_\_\_ 1013737 FDSN Z6 -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.7 magdef=1  
 (Station ML: 1.7 magdef=1  
 HU02A 0.83 115.6 Pg 09:01:53.697 -0.1 T\_\_ 33.7 \_\_\_ ML 1.5 1013732 FDSN Z6 00 BUD iLoc HHZ HHZ \_  
 (Reading ML: 1.5 magdef=1  
 (Station ML: 1.5 magdef=1  
 NIE 1.10 31.7 Pg 09:01:57.767 0.2 T\_\_ 21.4 \_\_\_ ML 1.4 1013739 FDSN PL -- BUD iLoc BHZ BHZ \_  
 NIE 1.10 31.7 Lg 09:02:13.353 -0.3 T\_\_ \_\_\_ 1013738 FDSN PL -- BUD iLoc BHN ??? \_  
 (Reading ML: 1.4 magdef=1  
 (Station ML: 1.4 magdef=1

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/05/24 09:13:02.31 1.79 0.35 48.5244 20.7931 12.6 6.2 17 0.0f 8 6 226 0.17 0.89 sx BUD 19002630 BUD 303

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L  
 JOS 0.17 260.4 Pg 09:13:05.855 -0.1 T\_\_ 212.9 \_\_\_ ML 1.1 1013764 FDSN Z6 -- BUD iLoc HHZ HHZ \_  
 JOS 0.17 260.4 Lg 09:13:09.304 0.5 T\_\_ \_\_\_ 1013763 FDSN Z6 -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.1 magdef=1  
 (Station ML: 1.1 magdef=1  
 KECS 0.21 258.7 Pg 09:13:06.387 -0.3 T\_\_ 516.3 \_\_\_ ML 1.6 1013762 FDSN SK -- BUD iLoc EHZ EHZ \_  
 KECS 0.21 258.7 Lg 09:13:10.347 0.2 T\_\_ \_\_\_ 1013767 FDSN SK -- BUD iLoc EHN ??? \_  
 (Reading ML: 1.6 magdef=1  
 (Station ML: 1.6 magdef=1  
 ABAH 0.38 127.4 Lg 09:13:16.990 0.3 T\_\_ \_\_\_ 1013766 FDSN HU -- BUD iLoc HHN ??? \_  
 HU02A 0.44 204.1 Lg 09:13:18.949 0.1 T\_\_ \_\_\_ 1013765 FDSN Z6 00 BUD iLoc HHN ??? \_  
 PSZ 0.85 225.1 Lg 09:13:33.033 -0.2 T\_\_ \_\_\_ 1013768 FDSN GE -- BUD iLoc HHN ??? \_  
 ET1H 0.89 224.0 Lg 09:13:34.413 0.3 T\_\_ \_\_\_ 1013769 FDSN HU -- BUD iLoc HHN ??? \_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/05/24 09:28:33.51 1.06 1.22 46.9129 17.3855 6.5 4.6 98 0.0f 9 7 98 0.12 0.96 sx BUD 19002632 BUD 192

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BADH	0.12	150.9	Pg	09:28:36.877	0.3					T__		894.5		___	ML	1.6	1013791	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BADH	0.12	150.9	Lg	09:28:38.789	-0.4					T__				---		1013792	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
A261A	0.17	283.6	Lg	09:28:39.982	-0.7					T__				---		1013793	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A263A	0.28	190.1	Lg	09:28:43.303	-0.8					T__				---		1013794	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.28	22.2	Lg	09:28:45.007	0.4					T__				---		1013795	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU08A	0.64	35.1	Lg	09:28:56.098	-0.9					T__				---		1013796	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CSKK	0.75	52.7	Lg	09:29:00.049	-1.2					T__				---		1013797	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOVH	0.96	148.9	Pg	09:28:54.333	1.4					T__		30.9		___	ML	1.5	1013799	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.96	148.9	Lg	09:29:04.808	-1.8					T__				---		1013798	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/05/24	09:38:03.52	0.99	0.76	46.8629	17.3352	6.3	3.5	45	0.0f		10	6	159	0.11	1.05	sx	BUD	19002634	BUD			238		
2023/05/24	09:38:03.55	0.93	1.26	46.8902	17.3220f				0.0f		10	6	151	0.13	1.04	kx	BUD_GT	19002635	BUD_GT			241		
(locality: Uzsa Hungary)																								
(GT info : GT2 explosion)																								

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.3	4 BUD	19002635
ML	1.9	0.2	4 BUD_GT	

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BADH	0.13	129.3	Pg	09:38:06.983	0.1					T__		1587.0		___	ML	1.9	1013825	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BADH	0.13	129.3	Lg	09:38:08.303	-1.3					T__				---		1013830	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
A261A	0.13	297.5	Pg	09:38:07.494	0.6					T__		5617.2		___	ML	2.4	1013824	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A261A	0.13	297.5	Lg	09:38:10.262	0.6					T__				---		1013832	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=1)																									
MPLH	0.32	27.9	Pg	09:38:10.262	-0.2					T__		536.2		___	ML	1.9	1013826	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.32	27.9	Lg	09:38:17.374	1.4					T__				---		1013833	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
HU08A	0.68	37.0	Lg	09:38:29.467	0.9					T__				---		1013827	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KOVH	0.97	145.9	Pg	09:38:22.313	-0.7					T__		38.8		___	ML	1.6	1013829	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.97	145.9	Lg	09:38:33.896	-2.9					T__				---		1013828	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
HU09A	1.04	43.6	Sn	09:38:40.441	-0.0					T__				---		1013831	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/24	21:38:06.57	1.51	0.71	46.1274	21.5949	9.8	7.2	139	3.4	22.0	15	9	83	0.51	1.67	ke	BUD	19002644	BUD			109

Magnitude Err Nsta Author OrigID  
 ML 2.2 0.1 6 BUD 19002644

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BZS	0.51	178.3	Pg	21:38:16.426	-0.2					T__		127.2		---	ML	1.8	1014916	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.51	178.3	Lg	21:38:23.026	-0.9					T__				---		1014917	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=0)																									
BANR	0.81	203.5	Lg	21:38:34.726	1.0					T__				---		1014918	FDSN	RO	--	BUD	iLoc	HHN	???	_	
HU24A	0.84	339.1	Pn	21:38:23.782	-0.0					T__		142.7		---	ML	2.1	1014920	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU24A	0.84	339.1	Lg	21:38:35.876	0.3					T__				---		1014919	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
HU06A	0.92	309.8	Pn	21:38:24.762	-0.2					T__		108.2		---	ML	2.0	1014921	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.92	309.8	Lg	21:38:37.665	-0.4					T__				---		1014922	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
DRGR	1.02	48.9	Pn	21:38:26.976	0.3					T__		138.9		---	ML	2.2	1014924	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	1.02	48.9	Lg	21:38:40.305	-0.7					T__				---		1014923	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
HU14A	1.10	287.5	Pn	21:38:27.998	0.6					T__		181.7		---	ML	2.4	1014925	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU14A	1.10	287.5	Sn	21:38:43.115	-0.4					T__				---		1014926	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=0)																									
GZR	1.11	131.2	Lg	21:38:43.669	0.6					T__				---		1014927	FDSN	RO	--	BUD	iLoc	HHN	???	_	
CJR	1.50	66.4	Pg	21:38:35.897	0.1					T__		102.3		---	ML	2.3	1014929	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
CJR	1.50	66.4	Sn	21:38:54.975	0.7					T__				---		1014928	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=1)																									
LOT	1.67	113.3	Sn	21:38:59.744	1.2					T__				---		1014930	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/05/25 07:13:21.02 1.82 0.89 48.4577 17.6190 14.2 4.6 123 0.0f 7 5 228 0.24 1.29 sx BUD 19002648 BUD 285

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.24	249.8	Pg	07:13:26.778	0.3					T__				---		1016051	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.24	249.8	Lg	07:13:29.504	-1.4					T__				---		1016052	FDSN	SK	--	BUD	iLoc	HHE	???	_	
JAVC	0.40	4.9	Pg	07:13:29.695	0.1					T__		150.5		---	ML	1.6	1016053	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
ZST	0.43	233.0	Lg	07:13:36.511	-0.5					T__				---		1016056	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KRUC	1.01	307.2	Pg	07:13:41.048	0.7					T__		41.8		---	ML	1.7	1016054	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.01	307.2	Lg	07:13:54.887	-0.4					T__				---		1016057	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
CONA	1.29	246.4	Lg	07:14:03.569	0.6					T__				---		1016055	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/25	07:57:14.09	0.92	0.82	47.0919	18.0524	4.9	3.4	83	0.0f	11	7	88	0.22	1.00	sx	BUD	19002650	BUD				135

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.2	4 BUD	19002650

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
TIH	0.22	209.7	Pg	07:57:19.703	0.7					T__		792.0		___	ML	1.8	1016088	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TIH	0.22	209.7	Lg	07:57:22.791	-0.3					T__				---		1016089	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
CSKK	0.31	27.5	Lg	07:57:25.974	-0.5					T__				---		1016086	FDSN	HU	--	BUD	iLoc	HNN	???	_	
A267A	0.33	116.2	Lg	07:57:26.440	-0.5					T__				---		1016090	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
HU08A	0.35	345.6	Pg	07:57:22.439	0.8					T__	168.7			---	ML	1.5	1016087	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU08A	0.35	345.6	Lg	07:57:26.761	-1.1					T__				---		1016093	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
MPLH	0.36	282.8	Pg	07:57:22.217	0.4					T__		111.8		___	ML	1.3	1016092	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.36	282.8	Lg	07:57:26.731	-1.1					T__				---		1016091	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
MORH	0.97	154.9	Pg	07:57:33.513	0.1					T__		55.5		___	ML	1.8	1016084	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.97	154.9	Lg	07:57:46.841	-0.8					T__				---		1016085	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
KOVH	1.00	178.1	Lg	07:57:48.417	-0.7					T__				---		1016083	FDSN	HU	--	BUD	iLoc	HNN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/05/25	08:46:39.53	0.83	1.19	47.8788	19.4152	5.5	2.4	160	0.0f	24	16	75	0.13	2.39	sx	BUD	19002652	BUD					124	
2023/05/25	08:46:39.49	0.81	1.04	47.8920	19.4049f				0.0f	24	16	72	0.13	2.38	kx	BUD_GT	19002653	BUD_GT						120

(locality : Bercel Hungary)  
 (description : known quarry blast)  
 (GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.1	8 BUD	19002653
ML	2.0	0.1	8 BUD_GT	

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU03A	0.13	84.8	Pg	08:46:43.477	0.8					T__		2392.9		___	ML	2.0	1016154	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.13	84.8	Lg	08:46:45.053	-0.2					T__				---		1016160	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
HU10A	0.26	259.9	Pg	08:46:46.160	0.9					T__		1447.3		___	ML	2.2	1016153	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU10A	0.26	259.9	Lg	08:46:49.609	-0.4					T__				---		1016161	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
ET1H	0.31	92.2	Pg	08:46:46.713	0.2					T__		215.0		___	ML	1.5	1016155	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.31	92.2	Lg	08:46:51.185	-0.5					T__				---		1016162	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=0)																									
PSZ	0.33	85.2	Pg	08:46:47.474	0.5					T__		290.0		___	ML	1.7	1016156	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_

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PSZ 0.33 85.2 Lg 08:46:51.392 -1.3 T__ --- 1016163 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
BUD 0.48 212.3 Lg 08:46:57.035 -0.8 T__ --- 1016164 FDSN HU -- BUD iLoc HHN ??? _
HU01A 0.57 165.0 Lg 08:47:00.122 -0.6 T__ --- 1016165 FDSN Z6 00 BUD iLoc HHN ??? _
HU09A 0.73 250.2 Lg 08:47:04.957 -1.5 T__ --- 1016166 FDSN Z6 00 BUD iLoc HHN ??? _
HU02A 0.79 72.6 Pg 08:46:55.441 -0.4 T__ 116.8 --- ML 2.0 1016157 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.79 72.6 Lg 08:47:06.257 -1.9 T__ --- 1016167 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
KECS 0.93 50.3 Pn 08:46:59.684 0.9 T__ 128.9 --- ML 2.1 1016158 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.93 50.3 Lg 08:47:11.352 -0.8 T__ --- 1016168 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
CSKK 0.94 236.1 Lg 08:47:12.151 -1.2 T__ --- 1016169 FDSN HU -- BUD iLoc HHN ??? _
JOS 0.97 51.1 Pn 08:47:00.288 1.1 T__ 95.3 --- ML 2.0 1016159 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.97 51.1 Lg 08:47:12.467 -1.5 T__ --- 1016170 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
HU08A 1.10 245.8 Pg 08:47:02.887 1.5 T__ 141.6 --- ML 2.3 1016172 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU08A 1.10 245.8 Sn 08:47:17.280 -0.9 T__ --- 1016171 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=0
MODS 1.50 289.5 Sn 08:47:28.198 -0.5 T__ --- 1016174 FDSN SK -- BUD iLoc HHE ??? _
JAVC 1.51 310.6 Sn 08:47:27.461 -2.0 T__ --- 1016173 FDSN CZ -- BUD iLoc HHN ??? _
NIE 1.64 20.9 Lg 08:47:34.788 0.5 T__ --- 1016175 FDSN PL -- BUD iLoc BHN ??? _
CONA 2.38 272.2 Sn 08:47:50.544 0.6 T__ --- 1016176 FDSN OE -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/05/25 08:59:55.49 1.07 1.48 48.5067 21.4787 12.2 4.4 139 0.0f 8 5 166 0.26 0.74 sx BUD 19002654 BUD 307

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
ABAH 0.26 217.2 Pg 09:00:01.873 0.7 T__ 288.7 --- ML 1.5 1016209 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.26 217.2 Lg 09:00:05.024 -1.0 T__ --- 1016210 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
JOS 0.62 269.4 Lg 09:00:18.225 0.8 T__ --- 1016213 FDSN Z6 -- BUD iLoc HHN ??? _
KECS 0.66 268.3 Lg 09:00:18.907 0.2 T__ --- 1016214 FDSN SK -- BUD iLoc EHN ??? _
KOLS 0.68 50.6 Pg 09:00:09.043 0.5 T__ --- 1016215 FDSN SK -- BUD iLoc HHZ ??? _
KOLS 0.68 50.6 Lg 09:00:17.389 -2.2 T__ --- 1016216 FDSN SK -- BUD iLoc HHN ??? _
HU02A 0.74 239.2 Pg 09:00:10.390 -0.5 T__ 62.0 --- ML 1.7 1016212 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.74 239.2 Lg 09:00:20.695 -1.8 T__ --- 1016211 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/05/25 09:04:58.36 3.21 0.41 48.3965 19.6864 20.9 7.1 116 0.0f 7 5 273 0.50 0.62 sx BUD 19002656 BUD 276

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Magnitude Err Nsta Author OrigID  
ML 1.6 0.1 3 BUD 19002656

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.50	163.7	Lg	09:05:16.906	-0.2					T__						1016238	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	0.53	166.5	Lg	09:05:17.663	-0.2					T__						1016239	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KECS	0.54	80.4	Pg	09:05:09.631	0.4					T__		76.1		---	ML	1.7	1016241	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.54	80.4	Lg	09:05:17.296	-0.2					T__				---		1016240	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
JOS	0.58	79.8	Pg	09:05:09.533	-0.4					T__		61.6		---	ML	1.6	1016242	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
HU02A	0.62	115.8	Pg	09:05:11.891	0.5					T__		45.8		---	ML	1.5	1016237	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.62	115.8	Lg	09:05:21.132	-0.2					T__				---		1016243	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/05/25	09:38:38.45	1.66	0.26	47.2931	18.2021	15.9	7.0	158	0.0f	4	3	225	0.08	0.47	sx	BUD	19002658	BUD				308	
2023/05/25	09:38:36.99	1.06	0.92	47.2302	18.2835f				0.0f	4	3	270	0.13	0.51	kx	BUD_GT	19002659	BUD_GT				316	
(locality: Iszkaszentgyörgy Hungary)																							
(GT info : GT2 explosion)																							

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.13	353.3	Pg	09:38:40.826	0.5					T__		213.6		---	ML	1.0	1016261	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.13	353.3	Lg	09:38:42.828	-0.6					T__				---		1016262	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=0)																									
HU08A	0.32	309.6	Lg	09:38:48.170	-1.4					T__				---		1016263	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.51	263.5	Lg	09:38:55.567	-0.1					T__				---		1016264	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/25	10:55:40.39	1.05	1.10	48.6731	19.1246	5.9	5.4	168	0.0f	14	9	124	0.83	1.08	sx	BUD	19002662	BUD				220

Magnitude Err Nsta Author OrigID  
ML 2.0 0.0 5 BUD 19002662

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU10A	0.83	184.9	Lg	10:56:08.714	-1.8					T__				---		1016324	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU03A	0.83	157.4	Lg	10:56:10.353	0.4					T__				---		1016321	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.91	145.5	Pg	10:56:00.921	1.3					T__		93.5		---	ML	2.0	1016323	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.91	145.5	Lg	10:56:12.476	-0.8					T__				---		1016316	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
KECS	0.92	101.4	Pg	10:55:58.765	0.0					T__		130.0		---	ML	2.1	1016319	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.92	101.4	Lg	10:56:11.193	-1.3					T__				---		1016325	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.1 magdef=1)																									

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(Station ML: 2.1 magdef=0
ET1H 0.94 147.6 Pn 10:56:00.212 0.4 T__ 77.2 ___ ML 1.9 1016317 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
JOS 0.96 100.2 Pg 10:55:59.105 -0.2 T__ 89.4 ___ ML 2.0 1016320 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.96 100.2 Pb 10:55:59.942 0.7 T__ ___ 1016322 FDSN Z6 -- BUD iLoc HHZ ??? _
JOS 0.96 100.2 Lg 10:56:12.726 -0.8 T__ ___ 1016326 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
JAVC 0.98 281.5 Lg 10:56:14.430 -0.8 T__ ___ 1016327 FDSN CZ -- BUD iLoc HHN ??? _
NIE 1.07 45.6 Lg 10:56:15.792 -0.3 T__ ___ 1016328 FDSN PL -- BUD iLoc BHN ??? _
HU02A 1.08 120.0 Pn 10:56:03.193 1.2 T__ 63.6 ___ ML 1.9 1016318 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 1.08 120.0 Lg 10:56:16.644 -1.6 T__ ___ 1016329 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=0

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/25	11:27:04.15	1.28	0.15	47.8783	16.0716	13.2	4.0	35	0.0f		6	4	129	0.15	1.20	sx	BUD	19002664	BUD			210

Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CONA 0.15 289.6 Pg 11:27:07.452 0.1 T__ 144.3 ___ ML 0.9 1016577 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.15 289.6 Lg 11:27:09.538 -0.2 T__ ___ 1016578 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=0
RONA 0.23 139.6 Pg 11:27:09.198 0.1 T__ ___ 1016579 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.23 139.6 Lg 11:27:12.391 -0.2 T__ ___ 1016581 FDSN OE -- BUD iLoc HHN ??? _
ARSA 0.73 210.8 Lg 11:27:27.443 -0.0 T__ ___ 1016582 FDSN OE -- BUD iLoc HHN ??? _
KRUC 1.20 10.2 Sn 11:27:44.755 0.0 T__ ___ 1016580 FDSN CZ -- BUD iLoc HHN ??? _

```

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/26	07:40:44.13	2.15	0.52	48.0045	19.6755	14.7	3.9	157	0.0f		7	4	231	0.11	0.58	sx	BUD	19002666	BUD			304

Magnitude Err Nsta Author OrigID  
ML 0.9 0.5 3 BUD 19002666

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU03A 0.11 206.8 Pg 07:40:47.203 0.3 T__ 604.0 ___ ML 1.4 1016677 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU03A 0.11 206.8 Lg 07:40:48.608 -0.6 T__ ___ 1016678 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
PSZ 0.17 120.3 Pg 07:40:48.694 0.3 T__ 142.0 ___ ML 0.9 1016675 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.17 120.3 Lg 07:40:51.632 -0.2 T__ ___ 1016679 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=1
ET1H 0.18 133.5 Pg 07:40:48.566 0.2 T__ 63.3 ___ ML 0.6 1016676 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.18 133.5 Lg 07:40:51.674 -0.1 T__ ___ 1016680 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 0.6 magdef=1
(Station ML: 0.6 magdef=1

```



HU02A 0.58 78.0 Lg 07:41:05.066 -0.7 T\_\_ --- 1016681 FDSN Z6 00 BUD iLoc HHN ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/26	07:44:54.83	3.79	1.31	46.3025	18.2328	33.4	4.8	153	0.0f		5	3	243	0.23	0.62	sx	BUD	19002668	BUD			340

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOVH	0.23	203.4	Pg	07:45:00.425	0.3					T__		62.4		---	ML	0.7	1016702	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.23	203.4	Lg	07:45:03.364	-0.7					T__				---		1016703	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.7 magdef=1)																									
(Station ML: 0.7 magdef=1)																									
MORH	0.30	107.0	Pg	07:45:01.767	0.5					T__		49.2		---	ML	0.8	1016701	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.30	107.0	Lg	07:45:06.579	0.2					T__				---		1016704	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=1)																									
HU22A	0.62	87.3	Lg	07:45:16.479	-1.6					T__				---		1016705	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/26	08:30:24.21	1.35	0.47	48.5743	20.8020	7.1	5.8	38	0.0f		11	7	154	0.19	0.93	sx	BUD	19002670	BUD			246

Magnitude Err Nsta Author OrigID  
ML 1.5 0.2 4 BUD 19002670

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.19	245.9	Pg	08:30:28.275	0.0					T__		400.6		---	ML	1.4	1016731	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.19	245.9	Lg	08:30:31.703	0.3					T__				---		1016732	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
KECS	0.23	246.7	Pg	08:30:28.765	-0.2					T__		1094.4		---	ML	2.0	1016733	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.23	246.7	Lg	08:30:32.874	0.2					T__				---		1016737	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
ABAH	0.40	133.5	Lg	08:30:39.325	-0.2					T__				---		1016735	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU02A	0.49	202.3	Pg	08:30:34.641	0.1					T__		56.6		---	ML	1.4	1016734	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.49	202.3	Lg	08:30:43.051	0.6					T__				---		1016738	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
PSZ	0.89	223.1	Lg	08:30:55.654	-0.8					T__				---		1016740	FDSN	GE	--	BUD	iLoc	HHN	???	_	
NIE	0.91	338.8	Lg	08:30:54.373	0.1					T__				---		1016739	FDSN	PL	--	BUD	iLoc	BHN	???	_	
ET1H	0.93	222.2	Pn	08:30:43.924	0.5					T__		41.9		---	ML	1.6	1016736	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.93	222.2	Lg	08:30:56.827	-0.5					T__				---		1016741	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/26	08:37:22.79	1.35	0.91	48.5075	17.5348	13.4	3.5	121	0.0f		8	5	208	0.22	1.26	sx	BUD	19002672	BUD			276

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.22	232.1	Pg	08:37:27.365	-0.4					T__						1016767	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.22	232.1	Lg	08:37:31.048	-0.7					T__						1016766	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.36	14.3	Pg	08:37:30.872	0.3					T__		150.0		---	ML	1.5	1016769	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.36	14.3	Lg	08:37:35.812	-0.9					T__						1016770	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
ZST	0.42	222.9	Lg	08:37:39.447	0.9					T__						1016768	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KRUC	0.94	306.8	Lg	08:37:54.549	0.0					T__						1016771	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
CONA	1.26	243.2	Pn	08:37:47.239	-0.1					T__		46.5		---	ML	1.9	1016773	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	1.26	243.2	Lg	08:38:05.124	1.3					T__						1016772	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/26	09:46:08.93	1.09	2.19	48.6724	18.7353	10.6	5.3	16	0.0f		9	7	172	0.73	1.31	sx	BUD	19002674	BUD			290

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.1	5 BUD	19002674

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JAVC	0.73	285.3	Pg	09:46:23.922	0.0					T__		73.1		---	ML	1.8	1016821	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=0)																									
HU10A	0.85	167.0	Lg	09:46:40.480	0.8					T__						1016820	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	1.08	133.8	Lg	09:46:44.073	-3.5					T__						1016819	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	1.10	135.9	Pn	09:46:32.417	1.7					T__		46.5		---	ML	1.8	1016822	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
KECS	1.18	98.6	Pg	09:46:33.683	1.5					T__		75.2		---	ML	2.0	1016817	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	1.18	98.6	Lg	09:46:47.395	-1.7					T__						1016816	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=0)																									
JOS	1.21	97.7	Pg	09:46:34.109	1.3					T__		48.2		---	ML	1.9	1016818	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
HU02A	1.31	114.1	Pn	09:46:35.386	1.6					T__		38.4		---	ML	1.8	1016815	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.31	114.1	Sn	09:46:51.355	-2.0					T__						1016823	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/26	09:57:08.15	0.96	1.57	48.7133	18.7225	9.2	4.1	6	0.0f		13	9	135	0.71	1.34	sx	BUD	19002676	BUD			177

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.0	5 BUD	19002676

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JAVC	0.71	282.2	Pg	09:57:23.125	0.4					T__		113.2		---	ML	1.9	1016862	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_

JAVC	0.71	282.2	Lg	09:57:33.175	-0.7	T__								1016863	FDSN	CZ	--	BUD	iLoc	HHN	???	_
	(Reading ML: 1.9 magdef=1)																					
	(Station ML: 1.9 magdef=0)																					
SRO	0.94	197.0	Lg	09:57:41.872	-0.1	T__								1016864	FDSN	SK	--	BUD	iLoc	EHN	???	_
MODS	1.02	251.0	Lg	09:57:43.154	-1.0	T__								1016865	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	1.12	135.0	Pn	09:57:31.819	1.5	T__				55.2				1016861	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.12	135.0	Sn	09:57:45.531	-2.4	T__								1016866	FDSN	GE	--	BUD	iLoc	HHN	???	_
	(Reading ML: 1.9 magdef=1)																					
	(Station ML: 1.9 magdef=1)																					
ET1H	1.13	137.0	Sn	09:57:46.296	-1.6	T__								1016867	FDSN	HU	--	BUD	iLoc	HHN	???	_
KECS	1.19	100.5	Lg	09:57:46.664	-2.0	T__								1016868	FDSN	SK	--	BUD	iLoc	EHN	???	_
JOS	1.23	99.6	Pg	09:57:33.426	1.1	T__				47.6				1016859	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	1.23	99.6	Lg	09:57:48.926	-0.7	T__								1016858	FDSN	Z6	--	BUD	iLoc	HHN	???	_
	(Reading ML: 1.9 magdef=1)																					
	(Station ML: 1.9 magdef=1)																					
MORC	1.32	324.5	Pn	09:57:34.258	1.0	T__				45.6				1016869	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 1.9 magdef=1)																					
	(Station ML: 1.9 magdef=1)																					
HU02A	1.34	115.6	Pn	09:57:35.019	1.7	T__				40.9				1016860	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.34	115.6	Sn	09:57:51.456	-1.7	T__								1016870	FDSN	Z6	00	BUD	iLoc	HHN	???	_
	(Reading ML: 1.9 magdef=1)																					
	(Station ML: 1.9 magdef=0)																					

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/26	10:22:32.35	1.35	0.76	48.3469	19.8761	9.2	4.0	120	0.0f		11	7	194	0.43	1.11	sx	BUD	19002678	BUD			250

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.1	4 BUD	19002678

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
KECS	0.43	71.2	Lg	10:22:47.799	0.1					T__						1018099	FDSN	SK	--	BUD	iLoc	EHN	???	_	
PSZ	0.43	178.4	Pg	10:22:41.792	0.0					T__		164.3			ML	1.7	1018094	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.43	178.4	Lg	10:22:48.180	-0.6					T__						1018095	FDSN	GE	--	BUD	iLoc	HHN	???	_	
	(Reading ML: 1.7 magdef=1)																								
	(Station ML: 1.7 magdef=1)																								
JOS	0.47	71.1	Pg	10:22:41.987	0.2					T__		105.5			ML	1.6	1018092	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.47	71.1	Lg	10:22:49.226	0.3					T__						1018091	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
	(Reading ML: 1.6 magdef=1)																								
	(Station ML: 1.6 magdef=1)																								
ET1H	0.47	180.4	Pg	10:22:43.554	1.1					T__		90.1			ML	1.6	1018097	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.47	180.4	Lg	10:22:48.834	-0.8					T__						1018100	FDSN	HU	--	BUD	iLoc	HHN	???	_	
	(Reading ML: 1.6 magdef=1)																								
	(Station ML: 1.6 magdef=1)																								
HU02A	0.49	117.2	Pg	10:22:42.860	0.1					T__		61.4			ML	1.4	1018096	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.49	117.2	Lg	10:22:49.694	-1.0					T__						1018093	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
	(Reading ML: 1.4 magdef=1)																								
	(Station ML: 1.4 magdef=1)																								
ABAH	0.91	92.7	Lg	10:23:04.698	0.1					T__						1018098	FDSN	HU	--	BUD	iLoc	HHN	???	_	
NIE	1.11	14.5	Lg	10:23:08.437	-1.1					T__						1018101	FDSN	PL	--	BUD	iLoc	BHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/27	02:14:09.71	3.53	2.67	45.6287	18.0420	27.7	12.5	177	15.0f	6	4	280	0.33	2.52	ke	BUD	19002680	BUD				295

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.5	4 BUD	19002680

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
A273A	0.33	331.3	Pg	02:14:16.226	-0.6					T__		113.7		___	ML	1.3	1018502	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A273A	0.33	331.3	Lg	02:14:22.145	0.6					T__				---		1018503	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
MORH	0.72	35.4	Pn	02:14:23.130	-0.8					T__		24.7		___	ML	1.3	1018501	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.72	35.4	Lg	02:14:33.967	-0.5					T__				---		1018506	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
A264A	0.75	315.6	Pn	02:14:24.815	0.3					T__		92.6		___	ML	1.9	1018504	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
HU03A	2.52	24.6	Pn	02:14:53.318	4.4					T__		70.6		___	ML	2.7	1018505	FDSN	Z6	00	BUD	iLoc	HHN	HHZ	_
(Reading ML: 2.7 magdef=1)																									
(Station ML: 2.7 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/05/27	16:57:07.60	2.85	1.14	45.7318	18.3052	20.9	7.3	164	8.0f	5	3	275	0.38	0.83	ke	BUD	19002686	BUD					323

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOVH	0.38	338.2	Lg	16:57:20.725	-0.5					T__				---		1019215	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MORH	0.54	25.9	Pg	16:57:17.984	-0.5					T__		26.2		___	ML	1.2	1019214	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.54	25.9	Lg	16:57:27.914	1.5					T__				---		1019218	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
A264A	0.83	301.5	Pg	16:57:23.941	0.1					T__		108.1		___	ML	2.0	1019217	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A264A	0.83	301.5	Lg	16:57:34.988	0.2					T__				---		1019216	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/05/28	19:50:41.19	1.72	1.17	45.6214	16.0523	13.4	6.4	36	10.0f	13	8	173	0.21	1.90	ke	BUD	19002692	BUD					234

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.1	5 BUD	19002692

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ZAG	0.21	347.5	Pg	19:50:45.755	-0.0					T__		630.0		___	ML	1.7	1021056	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.21	347.5	Lg	19:50:49.439	0.4					T__				---		1021060	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
PTJ	0.29	348.4	Pg	19:50:46.905	-0.6					T__		97.6		___	ML	1.1	1021054	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_

PTJ	0.29	348.4	Lg	19:50:51.738	-0.5	T__	---	1021055	FDSN	CR	--	BUD	iLoc	BHN	???	_			
(Reading ML: 1.1 magdef=1																			
(Station ML: 1.1 magdef=0																			
BEHE	0.99	30.4	Pn	19:51:01.064	0.5	T__	79.0	---	ML	1.9	1021057	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BEHE	0.99	30.4	Lg	19:51:14.457	0.9	T__	---	---	---	1021061	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1																			
(Station ML: 1.9 magdef=1																			
A264A	1.02	57.6	Pg	19:51:00.596	0.0	T__	96.9	---	ML	2.1	1021058	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A264A	1.02	57.6	Lg	19:51:14.968	0.6	T__	---	---	---	1021062	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1																			
(Station ML: 2.1 magdef=0																			
BLY	1.18	137.1	Lg	19:51:18.616	-0.4	T__	---	---	---	1021063	FDSN	MN	--	BUD	iLoc	HHN	???	_	
A273A	1.27	75.9	Lg	19:51:22.071	0.3	T__	---	---	---	1021064	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
OBKA	1.37	310.8	Pn	19:51:08.005	1.4	T__	54.6	---	ML	2.0	1021059	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
OBKA	1.37	310.8	Lg	19:51:27.998	2.4	T__	---	---	---	1021065	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1																			
(Station ML: 2.0 magdef=1																			
MORH	1.90	70.9	Lg	19:51:39.961	-1.8	T__	---	---	---	1021066	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/29	03:25:27.95	0.75	0.74	46.0985	21.5418	6.7	4.9	45	10.0f		63	56	38	0.48	4.63	ke	BUD	19002698	BUD			56

Magnitude	Err	Nsta	Author	OrigID
ML	3.4	0.1	52 BUD	19002698

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BZS	0.48	173.8	Pg	03:25:37.833	0.2					T__		5005.8		_c_	ML	3.3	1022574	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.48	173.8	Lg	03:25:44.589	0.1					T__				---		1022573	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 3.3 magdef=1																									
(Station ML: 3.3 magdef=1																									
BANR	0.77	201.8	Pn	03:25:43.712	0.1					T__	17720.4			---	ML	4.2	1022577	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.2 magdef=1																									
(Station ML: 4.2 magdef=0																									
HU24A	0.85	342.1	Pg	03:25:44.808	-0.6					T__	2613.4			---	ML	3.4	1022580	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.4 magdef=1																									
(Station ML: 3.4 magdef=1																									
HU06A	0.91	312.7	Pg	03:25:46.122	-0.4					T__	2596.1			---	ML	3.4	1022581	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.4 magdef=1																									
(Station ML: 3.4 magdef=1																									
DEV	0.97	102.3	Pn	03:25:46.159	-0.4					T__	1926.1			---	ML	3.3	1022575	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.3 magdef=1																									
(Station ML: 3.3 magdef=1																									
DRGR	1.07	49.0	Pn	03:25:48.423	0.5					T__	3084.7			---	ML	3.6	1022578	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.6 magdef=1																									
(Station ML: 3.6 magdef=0																									
HU14A	1.07	289.5	Pg	03:25:48.460	-0.9					T__	2717.4			---	ML	3.5	1022582	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.5 magdef=1																									
(Station ML: 3.5 magdef=1																									
GZR	1.12	128.8	Pn	03:25:49.227	0.4					T__	4926.3			---	ML	3.8	1022570	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	1.12	128.8	Sn	03:26:05.112	0.3					T__	---			---	---		1022571	FDSN	RO	--	BUD	iLoc	HHN	???	_
(Reading ML: 3.8 magdef=1																									
(Station ML: 3.8 magdef=0																									

HU12A	1.19	335.8	Pg	03:25:51.052	-1.0	T__	1532.4	___	ML	3.3	1022585	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU12A	1.19	335.8	Lg	03:26:07.431	0.1	T__		---			1022586	FDSN	Z6	00	BUD	iLoc	HHN	???	_
	(Reading ML: 3.3 magdef=1)																		
	(Station ML: 3.3 magdef=1)																		
HU21A	1.28	281.2	Pn	03:25:51.016	0.6	T__	1168.9	___	ML	3.3	1022583	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU21A	1.28	281.2	Lg	03:26:10.243	-0.4	T__		---			1022587	FDSN	Z6	00	BUD	iLoc	HHN	???	_
	(Reading ML: 3.3 magdef=1)																		
	(Station ML: 3.3 magdef=1)																		
LTVH	1.31	10.7	Pn	03:25:52.075	1.1	T__	1410.1	___	ML	3.4	1022584	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
LTVH	1.31	10.7	Lg	03:26:10.206	-0.6	T__		---			1022588	FDSN	HU	--	BUD	iLoc	HHN	???	_
	(Reading ML: 3.4 magdef=1)																		
	(Station ML: 3.4 magdef=1)																		
HU13A	1.37	311.1	Pn	03:25:52.566	0.8	T__	873.9	___	ML	3.2	1022589	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.2 magdef=1)																		
	(Station ML: 3.2 magdef=0)																		
FRGS	1.54	232.9	Sn	03:26:16.210	1.6	T__		---			1022590	FDSN	SJ	--	BUD	iLoc	BHN	???	_
CJR	1.55	65.9	Pn	03:25:55.800	1.0	T__	3551.9	___	ML	3.9	1022579	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
CJR	1.55	65.9	Pg	03:25:57.425	-0.6	T__		---			1022591	FDSN	RO	--	BUD	iLoc	HHZ	???	_
CJR	1.55	65.9	Lg	03:26:18.021	0.0	T__		---			1022592	FDSN	RO	--	BUD	iLoc	HHN	???	_
	(Reading ML: 3.9 magdef=1)																		
	(Station ML: 3.9 magdef=0)																		
DJES	1.59	154.0	Lg	03:26:18.040	-0.2	T__		---			1022572	FDSN	SJ	--	BUD	iLoc	BHN	???	_
HU04B	1.62	297.0	Pn	03:25:55.484	0.3	T__	1263.7	___	ML	3.5	1022593	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.5 magdef=1)																		
	(Station ML: 3.5 magdef=1)																		
LOT	1.69	111.8	Pg	03:25:59.452	-0.6	T__	917.0	___	ML	3.4	1022576	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.4 magdef=1)																		
	(Station ML: 3.4 magdef=1)																		
HU22A	1.69	278.7	Pn	03:25:56.665	0.6	T__	830.3	___	ML	3.4	1022594	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.4 magdef=1)																		
	(Station ML: 3.4 magdef=1)																		
HU23A	1.78	330.6	Pn	03:25:58.686	1.2	T__	562.8	___	ML	3.2	1022595	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.2 magdef=1)																		
	(Station ML: 3.2 magdef=1)																		
HU01A	1.82	314.0	Pn	03:25:58.655	0.6	T__	769.7	___	ML	3.4	1022596	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.4 magdef=1)																		
	(Station ML: 3.4 magdef=1)																		
HU11A	1.84	352.2	Pn	03:25:59.470	1.1	T__	576.1	___	ML	3.3	1022597	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.3 magdef=1)																		
	(Station ML: 3.3 magdef=1)																		
HU07A	1.90	7.6	Pn	03:26:00.056	0.8	T__	700.3	___	ML	3.4	1022598	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.4 magdef=1)																		
	(Station ML: 3.4 magdef=1)																		
BMR	2.07	39.7	Pg	03:26:06.695	-1.1	T__	1242.3	___	ML	3.7	1022599	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.7 magdef=1)																		
	(Station ML: 3.7 magdef=0)																		
ET1H	2.12	327.9	Pn	03:26:02.380	0.1	T__	189.7	___	ML	3.0	1022600	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.0 magdef=1)																		
	(Station ML: 3.0 magdef=0)																		
HU02A	2.14	341.4	Pn	03:26:02.925	0.2	T__	190.4	___	ML	3.0	1022602	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.0 magdef=1)																		
	(Station ML: 3.0 magdef=0)																		
PSZ	2.14	328.8	Pn	03:26:02.828	0.0	T__	388.3	___	ML	3.3	1022601	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_

(Reading ML: 3.3 magdef=1 (Station ML: 3.3 magdef=1 A271A 2.14 300.5 Pn 03:26:03.060 0.5	T__	709.0	___ ML	3.5 1022603	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 3.5 magdef=1 (Station ML: 3.5 magdef=0 ABAH 2.21 354.8 Pn 03:26:03.791 0.3	T__	180.1	___ ML	3.0 1022604	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 3.0 magdef=1 (Station ML: 3.0 magdef=0 BUD 2.22 309.6 Pn 03:26:03.390 -0.2	T__	206.9	___ ML	3.0 1022605	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 3.0 magdef=1 (Station ML: 3.0 magdef=0 HU03A 2.24 324.4 Pn 03:26:04.619 0.7	T__	387.6	___ ML	3.3 1022606	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 3.3 magdef=1 (Station ML: 3.3 magdef=1 A267A 2.28 293.0 Pn 03:26:04.571 0.2	T__	384.7	___ ML	3.4 1022608	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 3.4 magdef=1 (Station ML: 3.4 magdef=1 A266A 2.31 281.8 Pn 03:26:05.151 0.3	T__	600.3	___ ML	3.6 1022607	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 3.6 magdef=1 (Station ML: 3.6 magdef=0 KOVH 2.40 271.0 Pn 03:26:05.921 -0.1	T__	109.7	___ ML	2.9 1022609	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 2.9 magdef=1 (Station ML: 2.9 magdef=0 HU10A 2.46 316.2 Pn 03:26:07.832 0.9	T__	337.2	___ ML	3.4 1022610	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 3.4 magdef=1 (Station ML: 3.4 magdef=1 KECS 2.49 343.6 Pn 03:26:08.562 1.1	T__	280.9	___ ML	3.3 1022611	FDSN SK	-- BUD	iLoc	EHZ EHZ	_
(Reading ML: 3.3 magdef=1 (Station ML: 3.3 magdef=1 JOS 2.49 344.5 Pn 03:26:08.442 0.9	T__	111.1	___ ML	2.9 1022612	FDSN Z6	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 2.9 magdef=1 (Station ML: 2.9 magdef=0 CSKK 2.59 300.5 Pn 03:26:09.117 0.3	T__	248.1	___ ML	3.3 1022613	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 3.3 magdef=1 (Station ML: 3.3 magdef=1 A265A 2.62 278.5 Pn 03:26:09.449 0.3	T__	295.0	___ ML	3.4 1022614	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 3.4 magdef=1 (Station ML: 3.4 magdef=1 TIH 2.64 289.0 Pn 03:26:09.857 0.3	T__	325.6	___ ML	3.5 1022615	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 3.5 magdef=1 (Station ML: 3.5 magdef=1 HU09A 2.66 306.5 Pn 03:26:10.760 1.0	T__	259.8	___ ML	3.4 1022616	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 3.4 magdef=1 (Station ML: 3.4 magdef=1 BBS 2.70 214.9 Pn 03:26:11.967 1.3	T__	165.5	___ ML	3.2 1022617	FDSN SJ	-- BUD	iLoc	BHZ BHZ	_
(Reading ML: 3.2 magdef=1 (Station ML: 3.2 magdef=1 SRD 2.80 309.0 Pn 03:26:13.004 1.3	T__	693.4	___ ML	3.9 1022618	FDSN SK	-- BUD	iLoc	EHZ EHZ	_
(Reading ML: 3.9 magdef=1 (Station ML: 3.9 magdef=0 KOLS 2.88 9.6 Pn 03:26:14.235 1.0	T__		---	1022619	FDSN SK	-- BUD	iLoc	HHZ ???	_
(Reading ML: 3.4 magdef=1 BADH 2.90 285.6 Pn 03:26:13.330 0.2	T__	192.8	___ ML	3.4 1022620	FDSN HU	-- BUD	iLoc	HHZ HHZ	_

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(Station ML: 3.4 magdef=1
MPLH 2.96 292.7 Pn 03:26:14.231 0.3 T__ 98.1 ___ ML 3.1 1022621 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 3.1 magdef=1
(Station ML: 3.1 magdef=0
A261A 3.15 287.3 Pn 03:26:17.217 0.6 T__ 215.4 ___ ML 3.6 1022622 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 3.6 magdef=1
(Station ML: 3.6 magdef=0
NIE 3.43 346.3 Pn 03:26:23.027 2.1 T__ 34.5 ___ ML 2.9 1022623 FDSN PL -- BUD iLoc BHZ BHZ _
(Reading ML: 2.9 magdef=1
(Station ML: 2.9 magdef=0
A262A 3.55 284.3 Pn 03:26:22.961 0.8 T__ 159.5 ___ ML 3.7 1022624 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 3.7 magdef=1
(Station ML: 3.7 magdef=0
SOP 3.77 296.7 Pn 03:26:25.668 0.4 T__ 51.5 ___ ML 3.3 1022625 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 3.3 magdef=1
(Station ML: 3.3 magdef=1
RONA 3.94 295.9 Pn 03:26:28.112 0.4 T__ 1022626 FDSN OE -- BUD iLoc HHZ ??? _
OJC 4.29 344.8 Pn 03:26:34.066 1.0 T__ 57.1 ___ ML 3.4 1022627 FDSN PL -- BUD iLoc BHZ BHZ _
(Reading ML: 3.4 magdef=1
(Station ML: 3.4 magdef=1
CONA 4.29 297.3 Pn 03:26:33.328 0.5 T__ 43.6 ___ ML 3.3 1022628 FDSN OE -- BUD iLoc HHZ HHZ _
(Reading ML: 3.3 magdef=1
(Station ML: 3.3 magdef=1
ARSA 4.30 287.7 Pn 03:26:33.011 0.3 T__ 53.6 ___ ML 3.4 1022629 FDSN OE -- BUD iLoc HHZ HHZ _
(Reading ML: 3.4 magdef=1
(Station ML: 3.4 magdef=1
MORC 4.56 325.3 Pn 03:26:37.317 0.8 T__ 55.2 ___ ML 3.5 1022630 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 3.5 magdef=1
(Station ML: 3.5 magdef=1
KRUC 4.57 312.3 Pn 03:26:36.235 -0.3 T__ 31.9 ___ ML 3.2 1022631 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 3.2 magdef=1
(Station ML: 3.2 magdef=1
VRAC 4.63 315.7 Pn 03:26:37.573 0.1 T__ 24.0 ___ ML 3.1 1022632 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 3.1 magdef=1
(Station ML: 3.1 magdef=0

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/05/29 08:41:16.68 1.25 1.06 48.9465 19.7776 11.4 4.8 80 1.5 21.9 10 6 183 0.58 1.27 ke BUD 19002700 BUD 219

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Magnitude Err Nsta Author OrigID
ML 1.5 0.0 5 BUD 19002700

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
NIE 0.58 35.8 Pg 08:41:27.270 -0.5 T__ 24.6 ___ ML 1.2 1023121 FDSN PL -- BUD iLoc BHZ BHZ _
NIE 0.58 35.8 Lg 08:41:36.180 0.1 T__ ___ 1023123 FDSN PL -- BUD iLoc BHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=0
JOS 0.68 131.5 Pg 08:41:30.502 0.4 T__ 30.8 ___ ML 1.4 1023118 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.68 131.5 Lg 08:41:40.544 0.4 T__ ___ 1023124 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
HU02A 0.96 148.7 Pn 08:41:34.583 -1.8 T__ 28.5 ___ ML 1.5 1023119 FDSN Z6 00 BUD iLoc HHZ HHZ _

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HU02A  0.96 148.7 Lg      08:41:50.395  0.2          T__          ---          1023125  FDSN Z6      00 BUD  iLoc HHN ??? _
(Reading ML:  1.5 magdef=1
(Station ML:  1.5 magdef=1
PSZ    1.03 175.6 Lg      08:41:52.672 -0.7          T__          ---          1023126  FDSN GE      -- BUD  iLoc HHN ??? _
ET1H   1.07 176.6 Pn      08:41:38.454  0.6          T__          25.6         --- ML      1.5 1023120  FDSN HU      -- BUD  iLoc HHZ HHZ _
ET1H   1.07 176.6 Lg      08:41:53.171 -1.0          T__          ---          1023122  FDSN HU      -- BUD  iLoc HHN ??? _
(Reading ML:  1.5 magdef=1
(Station ML:  1.5 magdef=1
OJC    1.27  0.6 Pg      08:41:42.555  0.9          T__          67.1         --- ML      2.0 1023127  FDSN PL      -- BUD  iLoc BHZ BHZ _
(Reading ML:  2.0 magdef=1
(Station ML:  2.0 magdef=0

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Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author  OrigID  Rep  DPdep  Err Sgp
2023/05/29 09:08:05.94  1.34  1.43  48.6258  21.4132  11.0  5.3 166  0.0f  13  8 163  0.35  1.27  sx BUD  19002702  BUD  225

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Magnitude  Err Nsta Author  OrigID
ML         1.7 0.1   5 BUD      19002702

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Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
ABAH  0.35 199.4 Pg      09:08:13.045 -0.2    T__          101.2  --- ML      1.3 1023162  FDSN HU      -- BUD  iLoc HHZ HHZ _
ABAH  0.35 199.4 Lg      09:08:19.108 -0.3    T__          ---          1023167  FDSN HU      -- BUD  iLoc HHN ??? _
(Reading ML:  1.3 magdef=1
(Station ML:  1.3 magdef=0
JOS   0.59 257.7 Lg      09:08:27.574  0.8    T__          ---          1023163  FDSN Z6      -- BUD  iLoc HHN ??? _
KECS  0.63 257.3 Lg      09:08:29.067  0.9    T__          ---          1023169  FDSN SK      -- BUD  iLoc EHN ??? _
KOLS  0.65  61.3 Lg      09:08:26.733 -2.3    T__          ---          1023168  FDSN SK      -- BUD  iLoc HHN ??? _
HU02A 0.78 229.9 Pg      09:08:21.159 -0.9    T__          33.5     --- ML      1.5 1023164  FDSN Z6      00 BUD  iLoc HHZ HHZ _
HU02A 0.78 229.9 Lg      09:08:33.648 -0.4    T__          ---          1023170  FDSN Z6      00 BUD  iLoc HHN ??? _
(Reading ML:  1.5 magdef=1
(Station ML:  1.5 magdef=1
TRPA  0.90 123.0 Pg      09:08:24.576  1.2    T__          50.7     --- ML      1.7 1023165  FDSN HU      -- BUD  iLoc HHZ HHZ _
TRPA  0.90 123.0 Lg      09:08:35.458 -2.6    T__          ---          1023171  FDSN HU      -- BUD  iLoc HHN ??? _
(Reading ML:  1.7 magdef=1
(Station ML:  1.7 magdef=1
PSZ   1.24 235.7 Pn      09:08:30.941  1.3    T__          45.5     --- ML      1.8 1023166  FDSN GE      -- BUD  iLoc HHZ HHZ _
PSZ   1.24 235.7 Sn      09:08:49.054  0.5    T__          ---          1023172  FDSN GE      -- BUD  iLoc HHN ??? _
(Reading ML:  1.8 magdef=1
(Station ML:  1.8 magdef=0
ET1H  1.27 234.6 Pn      09:08:31.516  1.6    T__          29.0     --- ML      1.7 1023174  FDSN HU      -- BUD  iLoc HHZ HHZ _
ET1H  1.27 234.6 Sn      09:08:48.315 -0.6    T__          ---          1023173  FDSN HU      -- BUD  iLoc HHN ??? _
(Reading ML:  1.7 magdef=1
(Station ML:  1.7 magdef=1

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Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author  OrigID  Rep  DPdep  Err Sgp
2023/05/29 09:08:53.37  1.93  0.94  46.0831  21.5443  17.2  11.7 104  15.0f  8  6 108  0.47  1.68  ke BUD  19002704  BUD  174

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Magnitude  Err Nsta Author  OrigID

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Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
BZS  0.47 173.8 Pg      09:09:02.869  0.0    T__          176.0  _c_ ML      1.8 1023201  FDSN RO      -- BUD  iLoc HHZ HHZ _

```

BZS	0.47	173.8	Lg	09:09:09.369	-0.2	T__								1023202	FDSN	RO	--	BUD	iLoc	HNN	???	_
(Reading ML: 1.8 magdef=1)																						
(Station ML: 1.8 magdef=1)																						
HU24A	0.87	342.3	Sn	09:09:22.411	-0.2	T__								1023203	FDSN	Z6	00	BUD	iLoc	HNN	???	_
DRGR	1.07	48.3	Pn	09:09:13.577	0.6	T__	126.9				ML	2.2	1023205	FDSN	RO	--	BUD	iLoc	HHZ	HHZ		_
DRGR	1.07	48.3	Sn	09:09:26.760	-1.6	T__								1023204	FDSN	RO	--	BUD	iLoc	HNN	???	_
(Reading ML: 2.2 magdef=1)																						
(Station ML: 2.2 magdef=1)																						
GZR	1.10	128.2	Lg	09:09:29.607	0.3	T__								1023206	FDSN	RO	--	BUD	iLoc	HNN	???	_
FRGS	1.53	233.4	Sn	09:09:39.941	0.9	T__								1023207	FDSN	SJ	--	BUD	iLoc	BHN	???	_
LOT	1.68	111.4	Lg	09:09:47.103	-0.7	T__								1023208	FDSN	RO	--	BUD	iLoc	HNN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/29	11:31:54.20	1.10	1.25	48.9706	21.2953	8.0	4.6	159	0.0f		12	8	148	0.65	1.45	sx	BUD	19002712	BUD			238

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.1	4 BUD	19002712

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
KOLS	0.65	92.9	Pg	11:32:06.953	0.3					T__						1023351	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	0.65	92.9	Lg	11:32:16.485	-0.6					T__						1023356	FDSN	SK	--	BUD	iLoc	HNN	???	_
ABAH	0.68	183.1	Pg	11:32:08.508	0.8					T__	42.2			ML	1.5	1023350	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.68	183.1	Lg	11:32:17.894	-0.9					T__						1023357	FDSN	HU	--	BUD	iLoc	HNN	???	_
(Reading ML: 1.5 magdef=1)																								
(Station ML: 1.5 magdef=1)																								
JOS	0.69	226.8	Pg	11:32:08.289	0.4					T__	44.3			ML	1.5	1023349	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.69	226.8	Lg	11:32:17.163	-1.0					T__						1023354	FDSN	Z6	--	BUD	iLoc	HNN	???	_
(Reading ML: 1.5 magdef=1)																								
(Station ML: 1.5 magdef=1)																								
KECS	0.72	228.0	Pg	11:32:09.530	0.9					T__	68.9			ML	1.7	1023358	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Reading ML: 1.7 magdef=1)																								
(Station ML: 1.7 magdef=1)																								
NIE	0.79	304.8	Lg	11:32:19.904	-0.6					T__						1023352	FDSN	PL	--	BUD	iLoc	BHN	???	_
HU02A	0.99	211.4	Pn	11:32:12.818	-1.6					T__	36.6			ML	1.6	1023348	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.99	211.4	Lg	11:32:27.133	-1.9					T__						1023347	FDSN	Z6	00	BUD	iLoc	HNN	???	_
(Reading ML: 1.6 magdef=1)																								
(Station ML: 1.6 magdef=1)																								
PSZ	1.41	222.1	Sn	11:32:41.956	1.0					T__						1023355	FDSN	GE	--	BUD	iLoc	HHE	???	_
ET1H	1.45	221.5	Sn	11:32:43.035	1.6					T__						1023353	FDSN	HU	--	BUD	iLoc	HNN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/29	12:29:17.41	1.57	0.90	48.6723	21.4608	12.8	7.4	156	0.0f		8	6	169	0.40	1.29	sx	BUD	19002714	BUD			307

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
ABAH	0.40	201.4	Pg	12:29:26.099	0.4					T__	54.4			ML	1.2	1023408	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.40	201.4	Lg	12:29:32.041	-0.7					T__						1023411	FDSN	HU	--	BUD	iLoc	HNN	???	_
(Reading ML: 1.2 magdef=1)																								
(Station ML: 1.2 magdef=1)																								

KOLS	0.60	63.8	Lg	12:29:38.124	-0.6	T__	---	1023412	FDSN	SK	--	BUD	iLoc	HHN	???	_		
JOS	0.64	254.2	Lg	12:29:39.557	-0.1	T__	---	1023410	FDSN	Z6	--	BUD	iLoc	HHN	???	_		
KECS	0.67	254.1	Lg	12:29:41.014	0.0	T__	---	1023414	FDSN	SK	--	BUD	iLoc	EHN	???	_		
HU02A	0.83	228.9	Pg	12:29:34.623	0.1	T__	26.8	ML	1.4	1023407	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.83	228.9	Lg	12:29:46.250	-1.1	T__	---	1023413	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
				(Reading ML: 1.4 magdef=1)														
				(Station ML: 1.4 magdef=1)														
PSZ	1.29	234.8	Sn	12:30:02.562	1.3	T__	---	1023409	FDSN	GE	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/30	01:14:43.63	1.02	0.81	48.2655	21.6893	7.6	4.9	18	9.9	2.1	18	11	102	0.30	1.63	ke	BUD	19002728	BUD			175

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.0	6 BUD	19002728

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.30	276.0	Pg	01:14:50.286	0.3					T__		49.2		_d	ML	0.8	1025281	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.30	276.0	Lg	01:14:54.996	-0.2					T__				---		1025282	FDSN	HU	--	BUD	iLoc	HHE	???	_	
				(Reading ML: 0.8 magdef=1)																					
				(Station ML: 0.8 magdef=0)																					
HU07A	0.32	152.0	Pg	01:14:50.432	0.1					T__	158.6			---	ML	1.4	1025289	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU07A	0.32	152.0	Lg	01:14:55.836	-0.2					T__				---		1025288	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.4 magdef=1)																					
				(Station ML: 1.4 magdef=1)																					
HU11A	0.49	225.9	Pg	01:14:54.211	0.5					T__	150.3			---	ML	1.8	1025283	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU11A	0.49	225.9	Lg	01:15:00.912	-0.3					T__				---		1025291	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.8 magdef=1)																					
				(Station ML: 1.8 magdef=0)																					
TRPA	0.58	103.1	Lg	01:15:02.564	-1.6					T__				---		1025292	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOLS	0.77	29.9	Pn	01:15:00.164	0.7					T__				---		1025290	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.77	29.9	Lg	01:15:11.284	1.3					T__				---		1025295	FDSN	SK	--	BUD	iLoc	HHN	???	_	
HU02A	0.79	260.0	Pg	01:14:58.922	-1.0					T__	27.5			---	ML	1.4	1025285	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.79	260.0	Lg	01:15:10.846	-0.3					T__				---		1025293	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.4 magdef=1)																					
				(Station ML: 1.4 magdef=1)																					
JOS	0.80	287.2	Pg	01:14:59.461	0.2					T__	31.6			---	ML	1.4	1025284	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.80	287.2	Lg	01:15:10.325	-0.3					T__				---		1025294	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.4 magdef=1)																					
				(Station ML: 1.4 magdef=1)																					
KECS	0.83	285.6	Pg	01:15:00.036	0.1					T__	60.5			---	ML	1.7	1025286	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.83	285.6	Lg	01:15:11.430	-0.3					T__				---		1025287	FDSN	SK	--	BUD	iLoc	EHN	???	_	
				(Reading ML: 1.7 magdef=1)																					
				(Station ML: 1.7 magdef=1)																					
PSZ	1.25	254.6	Sn	01:15:24.091	0.4					T__				---		1025296	FDSN	GE	--	BUD	iLoc	HHN	???	_	
BSZH	1.36	225.3	Lg	01:15:29.067	-0.2					T__				---		1025297	FDSN	HU	--	BUD	iLoc	HHN	???	_	
DRGR	1.63	154.5	Sn	01:15:34.499	1.6					T__				---		1025298	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/05/30	05:20:12.45	0.93	0.80	47.6821	16.3933	9.8	3.0	9	0.0f		10	6	121	0.07	1.38	sx	BUD	19002730	BUD				172

Magnitude Err Nsta Author OrigID  
ML 1.3 0.4 3 BUD 19002730

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.07	285.0	Pg	05:20:14.265	0.1					T__						1025331	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.07	285.0	Lg	05:20:16.420	0.8					T__						1025330	FDSN	OE	--	BUD	iLoc	HHN	???	_	
SOP	0.11	89.3	Pg	05:20:15.267	0.2					T__		219.9			ML	1.0	1025334	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.11	89.3	Lg	05:20:17.184	0.1					T__						1025333	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
CONA	0.43	304.7	Pg	05:20:21.357	0.2					T__		55.4			ML	1.3	1025332	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.43	304.7	Lg	05:20:25.885	-1.2					T__						1025335	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
EGYH	0.69	112.3	Lg	05:20:36.067	-0.8					T__						1025336	FDSN	HU	--	BUD	iLoc	HHN	???	_	
ARSA	0.73	234.1	Lg	05:20:35.647	-0.2					T__						1025337	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.38	0.1	Pn	05:20:38.760	0.3					T__		29.4			ML	1.7	1025339	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.38	0.1	Sn	05:20:58.626	1.2					T__						1025338	FDSN	CZ	--	BUD	iLoc	HHE	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/30	09:25:33.95	3.30	1.39	48.7751	21.1429	19.9	19.2	144	0.0f		9	6	243	0.49	1.69	sx	BUD	19002732	BUD			336

Magnitude Err Nsta Author OrigID  
ML 1.7 0.0 5 BUD 19002732

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.49	235.3	Pg	09:25:43.986	0.3					T__		95.4			ML	1.6	1025384	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.49	235.3	Lg	09:25:51.618	0.5					T__						1025383	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
KECS	0.52	236.4	Pg	09:25:44.169	-0.3					T__		110.1			ML	1.8	1025386	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.52	236.4	Lg	09:25:52.568	0.1					T__						1025385	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
HU02A	0.77	212.4	Pg	09:25:50.304	0.4					T__		44.9			ML	1.6	1025389	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.77	212.4	Lg	09:26:00.456	-1.4					T__						1025390	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=0)																									
PSZ	1.20	224.6	Pn	09:25:56.950	-0.1					T__		46.0			ML	1.8	1025387	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=0)																									
ET1H	1.23	223.9	Pn	09:25:57.827	0.4					T__		29.5			ML	1.7	1025388	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
OJC	1.69	329.3	Sn	09:26:25.129	-3.0					T__						1025391	FDSN	PL	--	BUD	iLoc	BHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/30	09:29:42.17	1.44	0.91	48.8853	21.1860	8.2	7.7	159	0.0f		7	6	132	0.58	0.88	sx	BUD	19002734	BUD			223

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
JOS	0.58	227.9	Lg	09:30:01.903	-0.5					T__						1025418	FDSN	Z6	--	BUD	iLoc	HHN	???	_		
ABAH	0.59	176.5	Lg	09:30:03.729	-0.1					T__						1025421	FDSN	HU	--	BUD	iLoc	HHN	???	_		
KECS	0.61	229.3	Pg	09:29:55.485	1.0					T__		97.7		---	ML	1.8	1025420	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_	
KECS	0.61	229.3	Lg	09:30:02.935	-0.7					T__						1025419	FDSN	SK	--	BUD	iLoc	EHN	???	_		
(Reading ML: 1.8 magdef=1)																										
(Station ML: 1.8 magdef=1)																										
KOLS	0.72	85.8	Lg	09:30:07.400	-0.2					T__						1025423	FDSN	SK	--	BUD	iLoc	HHN	???	_		
NIE	0.79	312.8	Lg	09:30:07.430	-0.9					T__						1025422	FDSN	PL	--	BUD	iLoc	BHN	???	_		
HU02A	0.88	210.2	Pg	09:29:59.566	-0.7					T__		39.7		---	ML	1.6	1025417	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 1.6 magdef=1)																										
(Station ML: 1.6 magdef=1)																										

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/30	09:48:42.54	1.29	0.63	47.2357	18.2687	8.3	5.1	115	0.0f		6	4	168	0.13	1.05	sx	BUD	19002736	BUD			265
2023/05/30	09:48:42.37	0.99	0.51	47.2302	18.2835f				0.0f		6	4	172	0.13	1.05	kx	BUD_GT	19002737	BUD_GT			270
(locality: Iszkaszentgyörgy Hungary)																						
(GT info : GT2 explosion)																						

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
CSKK	0.13	353.3	Pg	09:48:46.036	0.3					T__		217.4		---	ML	1.0	1025445	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
CSKK	0.13	353.3	Lg	09:48:48.350	-0.5					T__						1025444	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.0 magdef=1)																										
(Station ML: 1.0 magdef=0)																										
HU08A	0.32	309.6	Lg	09:48:54.120	-0.8					T__						1025442	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
MPLH	0.51	263.5	Pg	09:48:53.347	0.3					T__		44.2		---	ML	1.4	1025446	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
MPLH	0.51	263.5	Lg	09:49:00.614	-0.4					T__						1025447	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.4 magdef=1)																										
(Station ML: 1.4 magdef=0)																										
MORH	1.05	166.2	Lg	09:49:18.222	-0.2					T__						1025443	FDSN	HU	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/30	09:52:56.43	1.60	1.25	48.4713	17.5950	14.3	3.4	122	0.0f		9	7	221	0.23	1.31	sx	BUD	19002738	BUD			230

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
MODS	0.23	245.3	Pg	09:53:01.696	0.0					T__						1025468	FDSN	SK	--	BUD	iLoc	HHZ	???	_		
MODS	0.23	245.3	Lg	09:53:04.580	-1.4					T__						1025469	FDSN	SK	--	BUD	iLoc	HHN	???	_		
JAVC	0.39	7.3	Pg	09:53:04.816	0.0					T__		81.9		---	ML	1.3	1025470	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_	
JAVC	0.39	7.3	Lg	09:53:10.184	-1.2					T__						1025472	FDSN	CZ	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.3 magdef=1)																										
(Station ML: 1.3 magdef=0)																										
ZST	0.43	230.2	Lg	09:53:11.148	-1.2					T__						1025471	FDSN	SK	--	BUD	iLoc	HHN	???	_		
KRUC	0.99	307.1	Lg	09:53:29.950	-0.0					T__						1025473	FDSN	CZ	--	BUD	iLoc	HHN	???	_		

RONA	1.16	228.9	Lg	09:53:35.728	1.2	T__	---	1025474	FDSN	OE	--	BUD	iLoc	HHN	???	_
CONA	1.28	245.5	Lg	09:53:39.456	1.3	T__	---	1025475	FDSN	OE	--	BUD	iLoc	HHN	???	_
MORC	1.31	358.5	Lg	09:53:40.260	1.3	T__	---	1025476	FDSN	CZ	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/30	11:22:19.90	2.56	1.50	48.4611	19.9688	17.7	5.4	129	0.0f	8	5	258	0.34	0.59	sx	BUD	19002740	BUD				259

Magnitude	Err	Nsta	Author	OrigID
ML	1.1	0.0	3 BUD	19002740

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
KECS	0.34	86.1	Pg	11:22:27.735	0.8					T__		65.3		---	ML	1.1	1025519	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.34	86.1	Lg	11:22:31.132	-1.2					T__				---		1025522	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
JOS	0.38	84.6	Pg	11:22:28.393	0.8					T__		36.5		---	ML	0.9	1025518	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.38	84.6	Lg	11:22:31.862	-1.7					T__				---		1025524	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
HU02A	0.50	132.2	Pg	11:22:31.935	1.4					T__		24.4		---	ML	1.1	1025520	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.50	132.2	Lg	11:22:38.691	0.0					T__				---		1025525	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
PSZ	0.55	185.3	Lg	11:22:39.162	-1.1					T__				---		1025523	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	0.59	186.4	Lg	11:22:39.640	-1.6					T__				---		1025521	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/31	06:36:25.97	1.08	0.74	48.4043	17.3233	9.0	3.1	120	0.0f	11	6	188	0.04	1.09	sx	BUD	19002748	BUD				258

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.0	3 BUD	19002748

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
MODS	0.04	224.9	Pg	06:36:27.653	0.1					T__				---		1026909	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.04	224.9	Lg	06:36:28.617	-0.5					T__				---		1026914	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ZST	0.26	215.4	Lg	06:36:34.881	-1.2					T__				---		1026913	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.51	26.7	Pg	06:36:36.820	0.1					T__		91.3		---	ML	1.7	1026910	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.51	26.7	Lg	06:36:44.666	-0.3					T__				---		1026915	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
KRUC	0.90	317.3	Pg	06:36:43.974	0.7					T__		40.8		---	ML	1.6	1026911	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	0.90	317.3	Lg	06:36:55.312	-1.2					T__				---		1026916	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
RONA	0.99	224.7	Pg	06:36:46.227	0.7					T__				---		1026912	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.99	224.7	Lg	06:36:58.725	0.3					T__				---		1026917	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	1.09	244.6	Pg	06:36:47.650	0.2					T__		39.6		---	ML	1.7	1026919	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	1.09	244.6	Lg	06:37:01.660	0.1					T__				---		1026918	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/31	06:45:58.82	1.72	0.59	48.0553	20.6786	10.5	5.8	143	0.0f	7	6	195	0.12	0.57	sx	BUD	19002750	BUD				264
2023/05/31	06:45:58.69	1.00	0.50	48.0471	20.6805f				0.0f	7	6	196	0.13	0.57	kx	BUD_GT	19002751	BUD_GT				264

(locality: Miskolc-Mexikóvölgy Hungary)  
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU02A	0.13	305.8	Pg	06:46:02.193	0.3					T__		394.9		---	ML	1.3	1026940	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.13	305.8	Lg	06:46:03.683	-1.0					T__				---		1026941	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1 Station ML: 1.3 magdef=0)																									
ABAH	0.45	56.1	Lg	06:46:15.288	-0.5					T__				---		1026944	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KECS	0.46	343.5	Lg	06:46:14.938	-0.1					T__				---		1026943	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	0.46	348.2	Lg	06:46:15.074	-0.1					T__				---		1026942	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
PSZ	0.54	256.6	Lg	06:46:18.904	-0.2					T__				---		1026945	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	0.57	253.1	Lg	06:46:19.846	0.3					T__				---		1026946	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/31	07:04:40.51	1.77	0.82	48.4150	19.4912	11.5	5.6	86	0.0f	12	7	233	0.57	1.17	sx	BUD	19002752	BUD				288

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.0	5 BUD	19002752

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.57	151.3	Lg	07:05:00.823	-0.7					T__				---		1026978	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	0.59	154.5	Lg	07:05:01.763	-0.3					T__				---		1026979	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KECS	0.67	83.7	Pg	07:04:54.570	0.7					T__	172.6			---	ML	2.1	1026972	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.67	83.7	Lg	07:05:03.555	-0.3					T__				---		1026973	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.1 magdef=1 Station ML: 2.1 magdef=0)																									
JOS	0.70	83.0	Pg	07:04:55.017	0.5					T__		57.0		---	ML	1.6	1026975	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.70	83.0	Lg	07:05:04.748	-0.4					T__				---		1026974	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1 Station ML: 1.6 magdef=1)																									
HU02A	0.75	112.6	Pg	07:04:56.359	0.3					T__	49.7			---	ML	1.6	1026976	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.75	112.6	Lg	07:05:07.026	-0.8					T__				---		1026980	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1 Station ML: 1.6 magdef=0)																									
NIE	1.14	27.7	Pg	07:05:02.146	0.2					T__	32.3			---	ML	1.6	1026982	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	1.14	27.7	Lg	07:05:17.561	-1.0					T__				---		1026981	FDSN	PL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.6 magdef=1 Station ML: 1.6 magdef=1)																									
ABAH	1.17	95.2	Pn	07:05:04.364	1.3					T__	61.3			---	ML	1.9	1026983	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	1.17	95.2	Sn	07:05:19.843	-1.0					T__				---		1026977	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/31	08:01:04.76	1.37	0.72	46.1143	22.8238	10.0	7.7	76	0.0f	8	5	141	0.24	0.98		sx	BUD	19002754	BUD			254

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.0	3 BUD	19002754

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DEV	0.24	166.5	Pg	08:01:09.453	0.2					T__		843.6		---	ML	1.9	1027011	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.24	166.5	Lg	08:01:11.940	-0.7					T__				---		1027013	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
DRGR	0.68	353.5	Lg	08:01:28.765	-0.9					T__				---		1027015	FDSN	RO	--	BUD	iLoc	HHN	???	_	
GZR	0.72	182.6	Pg	08:01:18.949	0.4					T__		92.2		---	ML	1.9	1027012	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	0.72	182.6	Lg	08:01:28.339	-0.5					T__				---		1027014	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
LOT	0.94	134.9	Pg	08:01:23.484	0.7					T__		75.8		---	ML	1.9	1027017	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
LOT	0.94	134.9	Lg	08:01:35.748	-0.7					T__				---		1027016	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
BZS	0.98	239.9	Lg	08:01:37.622	0.0					T__				---		1027018	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/31	08:11:10.92	1.02	0.77	46.9011	17.3368	6.0	4.6	5	0.0f	9	7	144	0.13	1.13		sx	BUD	19002756	BUD			240
2023/05/31	08:11:10.78	0.96	0.64	46.8902	17.3220f				0.0f	9	7	151	0.13	1.13		kx	BUD_GT	19002757	BUD_GT			241
(locality: Uzsa Hungary)																						
(GT info : GT2 explosion)																						

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BADH	0.13	129.3	Lg	08:11:16.242	-0.6					T__				---		1027048	FDSN	HU	--	BUD	iLoc	HHN	???	_	
A261A	0.13	297.5	Pg	08:11:14.831	0.7					T__		3824.6		---	ML	2.3	1027042	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A261A	0.13	297.5	Lg	08:11:16.322	-0.5					T__				---		1027043	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=0)																									
MPLH	0.32	27.9	Pg	08:11:17.599	-0.1					T__		290.9		---	ML	1.6	1027044	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.32	27.9	Lg	08:11:22.496	-0.7					T__				---		1027049	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=0)																									
TIH	0.39	88.4	Lg	08:11:26.212	0.8					T__				---		1027050	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU08A	0.68	37.0	Lg	08:11:35.058	-0.7					T__				---		1027045	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KOVH	0.97	145.9	Lg	08:11:43.660	-0.3					T__				---		1027046	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MORH	1.13	126.0	Sn	08:11:48.770	-0.7					T__				---		1027047	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/31	08:41:10.27	1.15	0.33	47.8803	16.0418	11.4	4.9	30	0.0f	6	5	108	0.13	1.21		sx	BUD	19002758	BUD			187

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
CONA	0.13	291.7	Pg	08:41:13.238	0.1					T__		302.6		___	ML	1.1	1027068	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.13	291.7	Lg	08:41:14.920	-0.3					T__				---		1027069	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=0)																									
RONA	0.25	136.4	Lg	08:41:18.915	-0.2					T__				---		1027070	FDSN	OE	--	BUD	iLoc	HHN	???	_	
SOP	0.40	119.3	Lg	08:41:24.179	0.0					T__				---		1027071	FDSN	HU	--	BUD	iLoc	HHN	???	_	
ARSA	0.72	209.3	Lg	08:41:33.320	-0.0					T__				---		1027072	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.21	11.1	Sn	08:41:50.460	-0.4					T__				---		1027073	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/31	09:31:00.13	1.00	0.94	48.9769	18.2995	7.0	4.8	122	0.0f		21	14	68	0.43	1.58	sx	BUD	19002760	BUD			110

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.2	9 BUD	19002760

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
JAVC	0.43	254.4	Pg	09:31:08.753	-0.5					T__		198.8		___	ML	1.8	1027114	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.43	254.4	Lg	09:31:16.375	0.1					T__				---		1027124	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=0)																									
MODS	0.91	228.7	Pg	09:31:18.470	0.0					T__				---		1027115	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.91	228.7	Lg	09:31:32.139	-0.1					T__				---		1027126	FDSN	SK	--	BUD	iLoc	HHN	???	_	
MORC	0.94	328.6	Pg	09:31:17.493	-0.2					T__		93.2		___	ML	2.0	1027117	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
MORC	0.94	328.6	Lg	09:31:31.759	1.0					T__				---		1027125	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
VRAC	1.17	287.1	Lg	09:31:39.199	0.0					T__				---		1027127	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
HU10A	1.23	156.8	Pn	09:31:23.207	-0.5					T__		114.3		___	ML	2.2	1027112	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU10A	1.23	156.8	Sn	09:31:40.880	-1.6					T__				---		1027128	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
KRUC	1.26	274.6	Lg	09:31:42.170	-0.2					T__				---		1027116	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
HU03A	1.38	140.6	Pn	09:31:27.594	1.8					T__		83.3		___	ML	2.2	1027113	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
NIE	1.38	70.6	Pn	09:31:27.437	1.2					T__		38.3		___	ML	1.9	1027118	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
PSZ	1.50	134.3	Pn	09:31:29.034	1.3					T__		63.9		___	ML	2.1	1027129	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.50	134.3	Sn	09:31:50.070	0.5					T__				---		1027130	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
ET1H	1.52	135.8	Pn	09:31:28.275	0.5					T__		42.3		___	ML	2.0	1027119	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
KECS	1.53	108.0	Pn	09:31:28.991	1.0					T__		91.8		___	ML	2.3	1027121	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	1.53	108.0	Sn	09:31:49.942	-0.0					T__				---		1027120	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=0)																									
JOS	1.56	107.1	Pn	09:31:29.533	1.2					T__		53.7		___	ML	2.1	1027123	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_

JOS	1.56	107.1	Sn	09:31:49.888	-0.8	T__	---	1027122	FDSN	Z6	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.1 magdef=1)																
(Station ML: 2.1 magdef=1)																
HU08A	1.57	189.4	Sn	09:31:51.188	0.6	T__	---	1027132	FDSN	Z6	00	BUD	iLoc	HHN	???	_
OJC	1.58	37.5	Lg	09:31:49.934	-1.3	T__	---	1027131	FDSN	PL	--	BUD	iLoc	BHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/31	10:01:16.10	1.17	1.36	47.5351	18.5529	6.9	4.5	101	0.0f	7	5	110	0.16	1.32	sx	BUD	19002762	BUD				207
2023/05/31	10:01:16.93	0.97	1.82	47.5600	18.4573f				0.0f	7	5	113	0.09	1.35	kx	BUD_GT	19002763	BUD_GT				195
(locality: Tatabánya Hungary)																						
(GT info : GT2 explosion)																						

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU09A	0.09	327.2	Pg	10:01:20.365	1.0					T__		1408.1		---	ML	1.7	1027168	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU09A	0.09	327.2	Lg	10:01:22.023	0.3					T__				---		1027171	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=0)																									
CSKK	0.24	214.2	Pg	10:01:22.771	0.6					T__		264.1		---	ML	1.4	1027166	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.24	214.2	Lg	10:01:24.964	-1.9					T__				---		1027167	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=0)																									
SRO	0.27	339.1	Lg	10:01:28.432	0.6					T__				---		1027172	FDSN	SK	--	BUD	iLoc	EHN	???	_	
PSZ	1.03	69.2	Lg	10:01:50.683	-3.6					T__				---		1027169	FDSN	GE	--	BUD	iLoc	HHN	???	_	
MORH	1.35	174.5	Sn	10:02:00.307	-1.1					T__				---		1027170	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/05/31	11:12:07.86	1.99	0.64	47.8734	20.1547	20.5	4.0	159	0.0f	7	4	226	0.18	0.67	sx	BUD	19002764	BUD				249

Magnitude	Err	Nsta	Author	OrigID
ML	1.2	0.1	3 BUD	19002764

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.18	284.5	Pg	11:12:12.569	0.3					T__		307.9		---	ML	1.3	1027193	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.18	284.5	Lg	11:12:15.326	-0.6					T__				---		1027196	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
ET1H	0.19	271.8	Pg	11:12:12.759	0.4					T__		247.7		---	ML	1.2	1027194	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.19	271.8	Lg	11:12:15.069	-0.8					T__				---		1027197	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
HU02A	0.35	44.8	Pg	11:12:15.540	-0.0					T__		36.5		---	ML	0.8	1027195	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.35	44.8	Lg	11:12:21.299	-0.3					T__				---		1027198	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=1)																									
JOS	0.67	22.3	Lg	11:12:32.231	0.6					T__				---		1027199	FDSN	Z6	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
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2023/05/31 11:15:48.23 1.53 1.31 48.5505 22.8373 12.8 5.7 71 4.9 14.1 14 9 197 0.47 1.88 ke BUD 19002766 BUD 249

Magnitude Err Nsta Author OrigID  
ML 2.4 0.4 4 BUD 19002766

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
TRPA	0.47	205.4	Pg	11:15:57.985	0.7					T__		130.4		---	ML	1.7	1027256	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.47	205.4	Lg	11:16:04.181	-1.0					T__				---		1027255	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=1)																									
KOLS	0.54	315.9	Pg	11:15:58.774	0.3					T__				---		1027257	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.54	315.9	Lg	11:16:06.311	-0.8					T__				---		1027262	FDSN	SK	--	BUD	iLoc	HHN	???	_	
HU07A	0.84	227.6	Lg	11:16:17.024	-0.7					T__				---		1027263	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
BMR	0.98	153.0	Pg	11:16:07.508	0.2					T__		328.6		---	ML	2.6	1027265	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BMR	0.98	153.0	Lg	11:16:20.879	-1.1					T__				---		1027264	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.6 magdef=1 Station ML: 2.6 magdef=1)																									
ABAH	1.09	257.1	Pn	11:16:08.050	-1.2					T__		343.0		---	ML	2.6	1027258	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	1.09	257.1	Lg	11:16:25.211	-0.4					T__				---		1027266	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.6 magdef=1 Station ML: 2.6 magdef=1)																									
JOS	1.53	268.8	Sn	11:16:37.878	1.3					T__				---		1027261	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
KECS	1.57	268.4	Sn	11:16:39.861	2.4					T__				---		1027267	FDSN	SK	--	BUD	iLoc	EHN	???	_	
HU02A	1.60	255.3	Pn	11:16:17.412	0.9					T__		59.4		---	ML	2.2	1027259	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.60	255.3	Sn	11:16:40.492	1.9					T__				---		1027260	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1 Station ML: 2.2 magdef=1)																									
NIE	1.88	298.4	Sn	11:16:45.859	-0.2					T__				---		1027268	FDSN	PL	--	BUD	iLoc	BHN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
2023/05/31 15:14:37.62 1.27 0.63 48.4599 22.7537 10.0 5.5 72 7.6 12.3 19 13 181 0.36 1.99 ke BUD 19002770 BUD 205

Magnitude Err Nsta Author OrigID  
ML 2.5 0.3 9 BUD 19002770

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
TRPA	0.36	203.6	Pg	15:14:44.968	0.2					T__		492.3		---	ML	2.0	1028609	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.36	203.6	Lg	15:14:50.056	-1.0					T__				---		1028616	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1 Station ML: 2.0 magdef=0)																									
KOLS	0.57	326.3	Pg	15:14:48.843	0.3					T__				---		1028612	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.57	326.3	Lg	15:14:56.827	-1.0					T__				---		1028617	FDSN	SK	--	BUD	iLoc	HHN	???	_	
HU07A	0.74	229.8	Pg	15:14:52.760	0.7					T__		603.8		---	ML	2.7	1028610	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU07A	0.74	229.8	Lg	15:15:02.959	-0.6					T__				---		1028618	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.7 magdef=1 Station ML: 2.7 magdef=1)																									
BMR	0.93	147.4	Pg	15:14:56.039	0.3					T__		880.9		---	ML	3.0	1028611	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BMR	0.93	147.4	Lg	15:15:08.665	-0.7					T__				---		1028619	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 3.0 magdef=1 Station ML: 3.0 magdef=1)																									
ABAH	1.02	261.3	Pn	15:14:56.870	-0.4					T__		220.6		---	ML	2.4	1028614	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	1.02	261.3	Lg	15:15:11.859	-0.5					T__				---		1028613	FDSN	HU	--	BUD	iLoc	HHN	???	_	

```

(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=1
HU11A 1.19 243.8 Pg 15:15:00.489 -0.2 T__ 690.4 ___ ML 3.0 1028615 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 3.0 magdef=1
(Station ML: 3.0 magdef=0
HU05A 1.42 230.7 Lg 15:15:25.029 -0.0 T__ 1028620 FDSN Z6 00 BUD iLoc HHN ??? _
JOS 1.47 272.2 Pn 15:15:03.469 -0.1 T__ 140.8 ___ ML 2.5 1028621 FDSN Z6 -- BUD iLoc HHZ HHZ _
(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=1
KECS 1.51 271.7 Pn 15:15:04.160 0.0 T__ 167.9 ___ ML 2.6 1028622 FDSN SK -- BUD iLoc EHZ EHZ _
(Reading ML: 2.6 magdef=1
(Station ML: 2.6 magdef=1
HU02A 1.53 258.0 Pn 15:15:05.685 1.2 T__ 58.4 ___ ML 2.1 1028623 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
CJR 1.84 161.6 Sn 15:15:33.935 0.3 T__ 1028624 FDSN RO -- BUD iLoc HHN ??? _
NIE 1.88 301.6 Pg 15:15:13.233 0.7 T__ 29.2 ___ ML 2.0 1028626 FDSN PL -- BUD iLoc BHZ BHZ _
NIE 1.88 301.6 Sn 15:15:34.951 0.3 T__ 1028625 FDSN PL -- BUD iLoc BHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
PSZ 1.99 255.3 Lg 15:15:44.048 0.1 T__ 1028627 FDSN GE -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/05/31 23:35:09.20 1.25 0.27 47.7563 16.2444 9.0 4.2 21 9.7 9.9 8 5 104 0.07 1.31 ke BUD 19002774 BUD 165

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
RONA 0.07 148.2 Pg 23:35:11.742 0.1 T__ 1028699 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.07 148.2 Lg 23:35:13.371 -0.1 T__ 1028700 FDSN OE -- BUD iLoc HHN ??? _
SOP 0.22 108.9 Pg 23:35:14.244 0.1 T__ 24.8 ___ ML 0.3 1028701 FDSN HU -- BUD iLoc HHZ HHZ _
SOP 0.22 108.9 Lg 23:35:17.203 -0.3 T__ 1028704 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 0.3 magdef=1
(Station ML: 0.3 magdef=1
CONA 0.31 303.9 Pg 23:35:15.755 -0.0 T__ 40.2 ___ ML 0.8 1028698 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.31 303.9 Lg 23:35:20.290 0.0 T__ 1028705 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 0.8 magdef=1
(Station ML: 0.8 magdef=1
ARSA 0.70 224.3 Lg 23:35:31.767 -0.1 T__ 1028702 FDSN OE -- BUD iLoc HHN ??? _
KRUC 1.31 4.3 Sn 23:35:50.908 0.4 T__ 1028703 FDSN CZ -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/06/01 07:15:46.79 3.53 0.80 48.6150 21.3835 22.4 8.2 43 0.0f 7 4 298 0.33 0.76 sx BUD 19002776 BUD 331

```

Magnitude Err Nsta Author OrigID  
ML 1.3 0.5 3 BUD 19002776

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
ABAH 0.33 196.8 Pg 07:15:53.846 0.1 T__ 64.9 ___ ML 1.0 1028728 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.33 196.8 Lg 07:15:59.361 -0.3 T__ 1028730 FDSN HU -- BUD iLoc HHN ??? _

```

```

(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=1
JOS 0.57 258.3 Lg 07:16:07.906 1.0 T__ --- 1028731 FDSN Z6 -- BUD iLoc HHN ??? _
KECS 0.61 257.9 Pg 07:15:58.677 -0.3 T__ 88.9 --- ML 1.8 1028727 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.61 257.9 Lg 07:16:09.011 0.8 T__ --- 1028732 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
HU02A 0.76 229.6 Pg 07:16:02.226 -0.2 T__ 26.5 --- ML 1.3 1028726 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.76 229.6 Lg 07:16:13.291 -0.9 T__ --- 1028729 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/06/01 08:03:55.37 1.66 0.48 48.5235 20.7938 16.1 3.8 11 0.0f 9 5 226 0.17 0.89 sx BUD 19002778 BUD 323

```

```

Magnitude Err Nsta Author OrigID
ML 1.3 0.4 4 BUD 19002778

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
JOS 0.17 260.8 Pg 08:03:58.925 -0.1 T__ 155.7 --- ML 1.0 1028778 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.17 260.8 Lg 08:04:02.339 0.4 T__ --- 1028784 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=1
KECS 0.21 259.0 Pg 08:03:59.368 -0.4 T__ 476.4 --- ML 1.6 1028779 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.21 259.0 Lg 08:04:03.696 0.5 T__ --- 1028785 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
ABAH 0.37 127.3 Pg 08:04:03.344 0.2 T__ 51.8 --- ML 1.1 1028780 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.37 127.3 Lg 08:04:08.840 -0.9 T__ --- 1028786 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=1
PSZ 0.85 225.1 Pn 08:04:13.728 0.0 T__ 36.9 --- ML 1.5 1028782 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.85 225.1 Lg 08:04:26.254 0.0 T__ --- 1028781 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
ET1H 0.89 224.1 Lg 08:04:27.269 0.1 T__ --- 1028783 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/06/01 09:14:05.75 1.45 1.18 47.1937 16.3554 11.3 6.1 4 0.0f 7 5 206 0.25 1.87 sx BUD 19002780 BUD 275

```

```

Magnitude Err Nsta Author OrigID

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
A260A 0.25 69.3 Pg 09:14:11.569 0.2 T__ 321.7 --- ML 1.5 1028813 FDSN Z6 00 BUD iLoc HHZ HHZ _
A260A 0.25 69.3 Lg 09:14:14.837 -0.5 T__ --- 1028814 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
RONA 0.51 355.5 Lg 09:14:22.538 -0.6 T__ --- 1028815 FDSN OE -- BUD iLoc HHN ??? _
ARSA 0.57 276.0 Lg 09:14:23.606 -0.4 T__ --- 1028811 FDSN OE -- BUD iLoc HHN ??? _
CONA 0.81 335.7 Pn 09:14:24.364 0.4 T__ 27.0 --- ML 1.4 1028810 FDSN OE -- BUD iLoc HHZ HHZ _

```

CONA	0.81	335.7	Lg	09:14:32.800	0.4	T__	---	1028816	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.4 magdef=1)																
(Station ML: 1.4 magdef=1)																
KRUC	1.87	0.8	Sn	09:15:04.762	2.1	T__	---	1028812	FDSN	CZ	--	BUD	iLoc	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/01	11:45:31.94	1.01	0.67	47.8488	16.0472	9.4	3.9	39	0.0f	7	4	120	0.15	1.24	sx	BUD	19002784	BUD				200

Magnitude	Err	Nsta	Author	OrigID
-----------	-----	------	--------	--------

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
CONA	0.15	302.6	Pg	11:45:35.397	0.3				T__		107.2			---	ML	0.7	1028884	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_	
CONA	0.15	302.6	Lg	11:45:37.150	-0.3				T__					---		1028885	FDSN	OE	--	BUD	iLoc	HHN	???	_		
(Reading ML: 0.7 magdef=1)																										
(Station ML: 0.7 magdef=1)																										
RONA	0.22	131.5	Pg	11:45:37.275	0.6				T__					---		1028886	FDSN	OE	--	BUD	iLoc	HHZ	???	_		
RONA	0.22	131.5	Lg	11:45:39.010	-1.0				T__					---		1028887	FDSN	OE	--	BUD	iLoc	HHN	???	_		
ARSA	0.70	210.9	Lg	11:45:53.849	-0.3				T__					---		1028890	FDSN	OE	--	BUD	iLoc	HHN	???	_		
KRUC	1.24	10.7	Pg	11:45:55.718	0.1				T__		31.3			---	ML	1.7	1028889	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_	
KRUC	1.24	10.7	Sn	11:46:12.918	-0.4				T__					---		1028888	FDSN	CZ	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.7 magdef=1)																										
(Station ML: 1.7 magdef=1)																										

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/06/01	12:57:44.10	1.22	0.76	48.2221	21.6287	7.1	4.5	5	14.3	19.2	14	9	110	0.27	1.61	ke	BUD	19002786	BUD				210

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.1	6 BUD	19002786

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
ABAH	0.27	286.0	Pg	12:57:50.249	0.2				T__		126.6			---	ML	1.2	1028921	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ABAH	0.27	286.0	Lg	12:57:54.887	0.0				T__					---		1028922	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.2 magdef=1)																										
(Station ML: 1.2 magdef=0)																										
HU07A	0.31	141.4	Pg	12:57:50.632	-0.1				T__		271.6			---	ML	1.6	1028928	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU07A	0.31	141.4	Lg	12:57:55.836	-0.3				T__					---		1028929	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 1.6 magdef=1)																										
(Station ML: 1.6 magdef=1)																										
HU11A	0.43	226.2	Pg	12:57:53.803	0.7				T__		682.5			---	ML	2.3	1028931	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 2.3 magdef=1)																										
(Station ML: 2.3 magdef=0)																										
HU02A	0.75	262.7	Pg	12:57:58.867	-0.6				T__		30.3			---	ML	1.4	1028927	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 1.4 magdef=1)																										
(Station ML: 1.4 magdef=1)																										
JOS	0.78	291.1	Pg	12:57:59.324	-0.2				T__		42.0			---	ML	1.6	1028923	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_	
JOS	0.78	291.1	Lg	12:58:10.042	-0.3				T__					---		1028924	FDSN	Z6	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.6 magdef=1)																										
(Station ML: 1.6 magdef=1)																										
KECS	0.81	289.3	Pg	12:58:00.000	-0.1				T__		128.5			---	ML	2.1	1028925	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_	
KECS	0.81	289.3	Lg	12:58:10.846	-0.5				T__					---		1028926	FDSN	SK	--	BUD	iLoc	EHN	???	_		

```

(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
KOLS 0.83 30.8 Pg      12:58:00.456  0.6      T__      ---      1028930  FDSN SK      -- BUD  iLoc  HHZ ??? _
KOLS 0.83 30.8 Lg      12:58:11.740 -0.5      T__      ---      1028932  FDSN SK      -- BUD  iLoc  HHN ??? _
PSZ  1.20 256.0 Sn      12:58:22.386  0.3      T__      ---      1028933  FDSN GE      -- BUD  iLoc  HHN ??? _
DRGR 1.61 152.5 Sn      12:58:33.964  1.9      T__      ---      1028934  FDSN RO      -- BUD  iLoc  HHN ??? _

```

```

Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author      OrigID  Rep  DPdep  Err Sgp
2023/06/01 13:47:19.44  3.53  0.84  45.9226  21.5517  24.6  16.2  144  15.0f  4  3  230  0.31  1.18  ke BUD      19002788  BUD  309

```

Magnitude Err Nsta Author OrigID

```

Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
BZS  0.31 171.5 Pg      13:47:26.147  0.1      T__      123.4  _c_ ML  1.3 1028959  FDSN RO  -- BUD  iLoc  HHZ HHZ _
BZS  0.31 171.5 Lg      13:47:30.657 -0.2      T__      ---      1028960  FDSN RO  -- BUD  iLoc  HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=0
GZR  1.01 121.2 Lg      13:47:52.458  0.0      T__      ---      1028958  FDSN RO  -- BUD  iLoc  HHN ??? _
DRGR 1.18 42.3 Sn      13:47:56.346 -0.8      T__      ---      1028961  FDSN RO  -- BUD  iLoc  HHN ??? _

```

```

Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author      OrigID  Rep  DPdep  Err Sgp
2023/06/01 15:14:49.57  2.69  1.19  46.0788  21.5666  37.2  13.8  104  15.0f  6  4  173  0.46  1.54  ke BUD      19002790  BUD  254

```

Magnitude Err Nsta Author OrigID

```

Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
BZS  0.46 175.7 Pg      15:14:58.922 -0.0      T__      141.4  _c_ ML  1.7 1028980  FDSN RO  -- BUD  iLoc  HHZ HHZ _
BZS  0.46 175.7 Lg      15:15:05.532 -0.0      T__      ---      1028979  FDSN RO  -- BUD  iLoc  HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
DRGR 1.07 47.6 Pn      15:15:09.513  0.4      T__      88.1  ___ ML  2.0 1028981  FDSN RO  -- BUD  iLoc  HHZ HHZ _
DRGR 1.07 47.6 Sn      15:15:22.659 -1.7      T__      ---      1028982  FDSN RO  -- BUD  iLoc  HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
GZR  1.09 128.5 Sn      15:15:26.001  1.1      T__      ---      1028978  FDSN RO  -- BUD  iLoc  HHN ??? _
FRGS 1.54 233.9 Sn      15:15:35.587  0.1      T__      ---      1028983  FDSN SJ  -- BUD  iLoc  BHN ??? _

```

```

Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author      OrigID  Rep  DPdep  Err Sgp
2023/06/01 15:39:33.79  1.20  0.99  47.9332  20.0886  15.8  3.3  154  0.0f  8  5  192  0.13  0.64  sx BUD      19002792  BUD  221

```

Magnitude Err Nsta Author OrigID  
ML 0.9 0.3 3 BUD 19002792

```

Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
PSZ  0.13 263.6 Pg      15:39:37.878  0.6      T__      381.4  ___ ML  1.2 1029006  FDSN GE  -- BUD  iLoc  HHZ HHZ _
PSZ  0.13 263.6 Lg      15:39:38.864 -1.3      T__      ---      1029009  FDSN GE  -- BUD  iLoc  HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
ET1H 0.16 249.8 Pg      15:39:38.317  0.8      T__      83.2  ___ ML  0.7 1029007  FDSN HU  -- BUD  iLoc  HHZ HHZ _

```

ET1H	0.16	249.8	Lg	15:39:39.595	-1.0	T__									1029010	FDSN	HU	--	BUD	iLoc	HNN	???	_
(Reading ML: 0.7 magdef=1)																							
(Station ML: 0.7 magdef=1)																							
HU03A	0.33	265.1	Lg	15:39:45.428	-0.9	T__									1029011	FDSN	Z6	00	BUD	iLoc	HHE	???	_
HU02A	0.35	57.0	Pg	15:39:41.485	0.1	T__				39.3			ML	0.9	1029008	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.35	57.0	Lg	15:39:46.926	-0.5	T__									1029012	FDSN	Z6	00	BUD	iLoc	HNN	???	_
(Reading ML: 0.9 magdef=1)																							
(Station ML: 0.9 magdef=1)																							
JOS	0.64	28.0	Lg	15:39:56.854	0.5	T__									1029013	FDSN	Z6	--	BUD	iLoc	HNN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/01	21:42:35.11	0.90	0.62	46.7121	16.9807	5.3	3.6	127	5.7	17.8	12	8	85	0.27	1.25	ke	BUD	19002798	BUD			167

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.0	6 BUD	19002798

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
A261A	0.27	25.6	Pg	21:42:40.464	-0.3					T__		253.7			ML	1.4	1029125	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A261A	0.27	25.6	Lg	21:42:45.878	1.1					T__						1029130	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=0)																									
BEHE	0.28	210.4	Pg	21:42:40.679	-0.4					T__		194.9			ML	1.4	1029127	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BEHE	0.28	210.4	Lg	21:42:45.746	0.6					T__						1029131	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
A262A	0.35	296.2	Pg	21:42:42.288	0.1					T__		62.8			ML	1.1	1029128	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A262A	0.35	296.2	Lg	21:42:47.145	0.2					T__						1029132	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=0)																									
BADH	0.35	74.4	Lg	21:42:47.659	0.2					T__						1029129	FDSN	HU	--	BUD	iLoc	HNN	???	_	
MPLH	0.60	39.7	Pg	21:42:46.554	-0.5					T__		27.5			ML	1.3	1029126	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
KOVH	0.99	128.5	Pn	21:42:54.066	-0.2					T__		22.2			ML	1.4	1029124	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
RONA	1.09	335.0	Lg	21:43:10.049	-0.9					T__						1029133	FDSN	OE	--	BUD	iLoc	HNN	???	_	
MORH	1.25	112.8	Pg	21:42:59.688	0.3					T__		17.0			ML	1.4	1029123	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	1.25	112.8	Lg	21:43:16.140	-0.1					T__						1029134	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/02	07:03:15.72	1.52	1.28	48.4368	17.4957	13.8	3.8	128	0.0f		6	4	212	0.16	0.96	sx	BUD	19002802	BUD			276

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MODS	0.16	246.6	Pg	07:03:19.738	0.2					T__						1029328	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.16	246.6	Lg	07:03:22.185	-0.6					T__						1029329	FDSN	SK	--	BUD	iLoc	HNN	???	_



ZST	0.36	227.6	Lg	07:03:28.959	-0.2	T__									1029330	FDSN	SK	--	BUD	iLoc	HHN	???	_			
JAVC	0.44	15.3	Pg	07:03:25.763	0.7	T__					37.9				---	ML	1.1	1029332	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.44	15.3	Lg	07:03:30.273	-2.0	T__									---			1029331	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.1 magdef=1																										
(Station ML: 1.1 magdef=0																										
KRUC	0.96	311.1	Lg	07:03:48.533	0.3	T__									---			1029333	FDSN	CZ	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/02	08:11:39.38	1.10	1.23	48.4952	19.2963	6.4	5.0	48	0.0f		14	9	105	0.63	1.35	sx	BUD	19002804	BUD			160

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.1	5 BUD	19002804

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
HU03A	0.63	161.0	Lg	08:12:01.981	0.1					T__						1029386	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
PSZ	0.70	145.0	Lg	08:12:04.745	-0.3					T__						1029387	FDSN	GE	--	BUD	iLoc	HHN	???	_		
KECS	0.79	90.4	Pg	08:11:55.380	0.2					T__		133.6			---	ML	2.1	1029383	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.79	90.4	Lg	08:12:05.970	-1.0					T__						1029382	FDSN	SK	--	BUD	iLoc	EHN	???	_		
(Reading ML: 2.1 magdef=1																										
(Station ML: 2.1 magdef=0																										
JOS	0.83	89.5	Pg	08:11:56.065	0.3					T__		59.2			---	ML	1.7	1029384	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.83	89.5	Lg	08:12:07.093	-1.1					T__						1029385	FDSN	Z6	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.7 magdef=1																										
(Station ML: 1.7 magdef=1																										
HU02A	0.90	114.0	Pg	08:11:58.155	0.2					T__		67.6			---	ML	1.8	1029381	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.90	114.0	Lg	08:12:10.024	-1.8					T__						1029388	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 1.8 magdef=1																										
(Station ML: 1.8 magdef=1																										
NIE	1.14	35.2	Pg	08:12:02.280	1.5					T__		14.8			---	ML	1.3	1029390	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	1.14	35.2	Lg	08:12:16.157	-1.1					T__						1029389	FDSN	PL	--	BUD	iLoc	BHN	???	_		
(Reading ML: 1.3 magdef=1																										
(Station ML: 1.3 magdef=0																										
JAVC	1.14	289.3	Lg	08:12:17.959	-1.7					T__						1029391	FDSN	CZ	--	BUD	iLoc	HHN	???	_		
ABAH	1.31	98.0	Pg	08:12:06.997	2.0					T__		45.5			---	ML	1.9	1029393	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	1.31	98.0	Sn	08:12:23.796	0.7					T__						1029392	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.9 magdef=1																										
(Station ML: 1.9 magdef=1																										
MODS	1.35	265.6	Sn	08:12:25.425	0.5					T__						1029394	FDSN	SK	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/02	08:29:25.05	0.97	0.95	48.4791	20.7688	5.3	3.4	18	0.0f		12	7	84	0.15	1.10	sx	BUD	19002808	BUD			148

Magnitude	Err	Nsta	Author	OrigID
ML	1.2	0.1	6 BUD	19002808

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
JOS	0.15	276.3	Pg	08:29:28.219	-0.1					T__		266.4			---	ML	1.2	1029464	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.15	276.3	Lg	08:29:31.040	0.1					T__						1029470	FDSN	Z6	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.2 magdef=1																										
(Station ML: 1.2 magdef=1																										

KECS	0.19	271.3	Pg	08:29:28.749	-0.3	T__	625.6	___	ML	1.6	1029465	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.19	271.3	Lg	08:29:32.364	0.2	T__		---			1029471	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Reading ML: 1.6 magdef=1)																			
(Station ML: 1.6 magdef=0)																			
ABAH	0.36	120.1	Pg	08:29:32.830	0.2	T__	71.3	___	ML	1.2	1029467	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.36	120.1	Lg	08:29:38.271	-0.7	T__		---			1029472	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.2 magdef=1)																			
(Station ML: 1.2 magdef=1)																			
HU02A	0.39	204.6	Pg	08:29:33.916	0.4	T__	34.8	___	ML	0.9	1029466	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.39	204.6	Lg	08:29:40.015	0.0	T__		---			1029473	FDSN	Z6	00	BUD	iLoc	HHE	???	_
(Reading ML: 0.9 magdef=1)																			
(Station ML: 0.9 magdef=0)																			
PSZ	0.81	226.5	Pg	08:29:42.251	0.0	T__	34.0	___	ML	1.5	1029468	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.81	226.5	Lg	08:29:54.047	-0.4	T__		---			1029474	FDSN	GE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.5 magdef=1)																			
(Station ML: 1.5 magdef=1)																			
NIE	0.99	342.0	Pg	08:29:44.552	0.8	T__	15.9	___	ML	1.3	1029469	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.3 magdef=1)																			
(Station ML: 1.3 magdef=1)																			
KOLS	1.10	64.9	Lg	08:30:00.339	-2.5	T__		---			1029475	FDSN	SK	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/02	09:15:55.95	2.33	1.67	47.1784	18.2944	16.6	5.3	123	0.0f		6	4	243	0.19	0.68	sx	BUD	19002810	BUD			281
2023/06/02	09:15:56.63	0.98	1.80	47.2302	18.2835f				0.0f		6	4	239	0.13	0.70	kx	BUD_GT	19002811	BUD_GT			283
(locality: Iszkaszentgyörgy Hungary)																						
(GT info : GT2 explosion)																						

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
CSKK	0.13	353.3	Pg	09:16:00.666	0.7					T__		200.1		---	ML	1.0	1029502	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.13	353.3	Lg	09:16:03.332	0.3					T__				---		1029505	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=0)																									
HU08A	0.32	309.6	Lg	09:16:09.754	0.6					T__				---		1029506	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.51	263.5	Pg	09:16:08.016	0.7					T__	40.3			---	ML	1.3	1029507	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.51	263.5	Lg	09:16:13.275	-2.0					T__				---		1029504	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=0)																									
BADH	0.70	232.8	Lg	09:16:17.624	-3.3					T__				---		1029503	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/06/02	09:32:58.66	1.10	0.97	48.4541	20.4079	9.8	4.3	109	0.0f		9	6	142	0.06	1.46	sx	BUD	19002812	BUD				207

Magnitude Err Nsta Author OrigID  
ML 1.0 0.2 3 BUD 19002812

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
KECS	0.06	60.6	Pg	09:33:00.018	-0.1					T__		537.7		---	ML	1.2	1029536	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.06	60.6	Lg	09:33:00.575	-0.9					T__				---		1029537	FDSN	SK	--	BUD	iLoc	EHN	???	_	

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(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
JOS 0.10 64.4 Pg 09:33:00.931 0.1 T__ 296.7 ___ ML 1.0 1029530 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.10 64.4 Lg 09:33:02.227 -0.5 T__ ___ 1029531 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=1
HU02A 0.34 166.7 Pg 09:33:06.427 0.4 T__ 26.5 ___ ML 0.7 1029533 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.34 166.7 Lg 09:33:12.452 0.6 T__ ___ 1029532 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 0.7 magdef=1
(Station ML: 0.7 magdef=1
PSZ 0.64 212.8 Lg 09:33:20.979 -1.2 T__ ___ 1029534 FDSN GE -- BUD iLoc HHN ??? _
NIE 0.97 355.8 Lg 09:33:32.154 1.4 T__ ___ 1029535 FDSN PL -- BUD iLoc BHN ??? _
TRPA 1.46 102.0 Sn 09:33:47.032 0.9 T__ ___ 1029538 FDSN HU -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/06/02 13:16:15.66 1.07 1.34 46.1109 16.3265 8.9 4.9 132 10.0f 9 6 134 0.32 1.29 ke BUD 19002816 BUD 179

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Magnitude Err Nsta Author OrigID
ML 1.8 0.0 3 BUD 19002816

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
PTJ 0.32 230.9 Pg 13:16:22.268 -0.3 T__ 107.0 ___ ML 1.2 1029599 FDSN CR -- BUD iLoc BHZ BHZ _
PTJ 0.32 230.9 Lg 13:16:27.198 -0.5 T__ ___ 1029598 FDSN CR -- BUD iLoc BHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
ZAG 0.37 219.9 Lg 13:16:28.938 0.5 T__ ___ 1029594 FDSN CR -- BUD iLoc BHN ??? _
BEHE 0.48 40.7 Lg 13:16:30.462 -1.5 T__ ___ 1029601 FDSN HU -- BUD iLoc HHE ??? _
A264A 0.67 85.5 Lg 13:16:39.535 1.6 T__ ___ 1029600 FDSN Z6 00 BUD iLoc HHN ??? _
ARSA 1.27 334.4 Pg 13:16:40.014 0.9 T__ 35.8 ___ ML 1.8 1029597 FDSN OE -- BUD iLoc HHZ HHZ _
ARSA 1.27 334.4 Lg 13:16:55.973 -0.1 T__ ___ 1029602 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
OBKA 1.29 288.6 Pn 13:16:40.326 0.6 T__ 36.2 ___ ML 1.8 1029596 FDSN OE -- BUD iLoc HHZ HHZ _
OBKA 1.29 288.6 Lg 13:16:59.571 2.0 T__ ___ 1029595 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/06/02 16:57:46.84 3.46 1.59 46.0798 21.5017 44.2 10.3 106 15.0f 10 6 229 0.47 2.10 ke BUD 19002818 BUD 272

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Magnitude Err Nsta Author OrigID
ML 2.5 0.4 4 BUD 19002818

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
BZS 0.47 170.1 Pg 16:57:56.306 -0.0 T__ 278.4 ___ ML 2.1 1029993 FDSN RO -- BUD iLoc HHZ HHZ _
BZS 0.47 170.1 Lg 16:58:02.806 -0.2 T__ ___ 1029994 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
DEV 1.00 100.9 Sn 16:58:20.644 1.3 T__ ___ 1029989 FDSN RO -- BUD iLoc HHN ??? _
DRGR 1.10 49.2 Pn 16:58:07.330 0.5 T__ 289.3 ___ ML 2.6 1029985 FDSN RO -- BUD iLoc HHZ HHZ _

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DRGR	1.10	49.2	Sn	16:58:20.476	-1.9	T__									1029986	FDSN	RO	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.6 magdef=1)																							
(Station ML: 2.6 magdef=1)																							
GZR	1.13	127.1	Pn	16:58:07.822	0.4	T__	234.6																
GZR	1.13	127.1	Sn	16:58:22.356	-0.7	T__																	
(Reading ML: 2.5 magdef=1)																							
(Station ML: 2.5 magdef=1)																							
CJR	1.58	65.7	Pn	16:58:15.025	1.3	T__	448.2																
CJR	1.58	65.7	Sn	16:58:35.694	1.6	T__																	
(Reading ML: 3.0 magdef=1)																							
(Station ML: 3.0 magdef=1)																							
BMR	2.10	39.9	Lg	16:58:51.498	-2.7	T__																	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/03	19:57:10.57	1.82	0.52	48.5189	17.3962	12.2	4.2	131	14.6	18.5	8	4	180	0.17	1.18		ke BUD	19002828	BUD			258

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.2	3 BUD	19002828

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MODS	0.17	208.6	Pg	19:57:14.810	-0.2					T__						1037357	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.17	208.6	Lg	19:57:19.066	0.5					T__						1037358	FDSN	SK	--	BUD	iLoc	HHN	???	_
JAVC	0.39	28.0	Pg	19:57:18.721	-0.3					T__	38.5					1037363	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.39	28.0	Lg	19:57:25.873	0.5					T__						1037359	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.0 magdef=1)																								
(Station ML: 1.0 magdef=1)																								
KRUC	0.86	309.8	Pg	19:57:27.301	0.3					T__	26.1					1037361	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	0.86	309.8	Lg	19:57:39.015	-0.5					T__						1037360	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.4 magdef=1)																								
(Station ML: 1.4 magdef=1)																								
CONA	1.18	240.6	Pn	19:57:32.561	0.3					T__	24.2					1037362	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	1.18	240.6	Lg	19:57:49.448	0.1					T__						1037364	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.5 magdef=1)																								
(Station ML: 1.5 magdef=1)																								

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/04	02:01:44.06	1.12	0.27	47.7774	16.2868	9.4	5.5	19	11.0f		6	4	122	0.08	1.29		ke BUD	19002834	BUD			187

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
RONA	0.08	175.3	Pg	02:01:47.017	0.2					T__						1038028	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.08	175.3	Lg	02:01:48.475	-0.4					T__						1038029	FDSN	OE	--	BUD	iLoc	HHN	???	_
SOP	0.21	117.1	Pg	02:01:48.805	0.1					T__	22.2					1038031	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.21	117.1	Lg	02:01:51.962	-0.0					T__						1038032	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 0.2 magdef=1)																								
(Station ML: 0.2 magdef=0)																								
CONA	0.32	298.0	Lg	02:01:55.491	-0.1					T__						1038030	FDSN	OE	--	BUD	iLoc	HHN	???	_
KRUC	1.29	3.2	Sn	02:02:24.426	-0.2					T__						1038033	FDSN	CZ	--	BUD	iLoc	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/04	02:03:12.17	1.09	0.46	47.7656	16.2706	10.3	5.6	22	11.0f	6	4	135	0.07	1.30	ke	BUD	19002836	BUD				198

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
RONA	0.07	165.2	Pg	02:03:15.115	0.3					T__						1038055	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.07	165.2	Lg	02:03:16.238	-0.5					T__						1038058	FDSN	OE	--	BUD	iLoc	HHN	???	_	
SOP	0.21	112.9	Pg	02:03:17.075	0.1					T__		19.1		---	ML	0.2	1038060	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.21	112.9	Lg	02:03:20.109	-0.1					T__						1038056	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.2 magdef=1)																									
(Station ML: 0.2 magdef=0)																									
CONA	0.32	300.7	Lg	02:03:23.373	-0.3					T__						1038059	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.30	3.6	Sn	02:03:53.394	0.4					T__						1038057	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/06/05	07:35:34.97	0.83	0.61	47.6291	17.8023	3.5	3.2	23	6.7	11.6	19	13	65	0.21	1.59	ke	BUD	19002842	BUD				86

Magnitude Err Nsta Author OrigID  
ML 1.6 0.2 4 BUD 19002842

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU08A	0.21	157.4	Pg	07:35:39.485	-0.1					T__		401.2		---	ML	1.5	1041489	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU08A	0.21	157.4	Lg	07:35:43.420	0.0					T__						1041497	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
SRO	0.39	61.7	Pg	07:35:42.859	-0.1					T__		1192.1		---	ML	2.5	1041494	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
SRO	0.39	61.7	Lg	07:35:50.400	0.9					T__						1041491	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.5 magdef=1)																									
(Station ML: 2.5 magdef=1)																									
HU09A	0.39	88.4	Pg	07:35:43.027	0.0					T__		244.3		---	ML	1.8	1041490	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU09A	0.39	88.4	Lg	07:35:49.564	-0.0					T__						1041499	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
CSKK	0.41	130.4	Pg	07:35:43.559	0.2					T__		113.6		---	ML	1.5	1041504	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.41	130.4	Lg	07:35:50.578	0.4					T__						1041498	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
MPLH	0.49	201.3	Lg	07:35:51.962	-0.4					T__						1041500	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MODS	0.82	334.9	Pg	07:35:51.706	0.2					T__						1041495	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.82	334.9	Lg	07:36:03.209	-0.7					T__						1041502	FDSN	SK	--	BUD	iLoc	HHN	???	_	
SOP	0.84	274.1	Lg	07:36:02.717	-0.1					T__						1041501	FDSN	HU	--	BUD	iLoc	HHN	???	_	
RONA	1.02	274.5	Pn	07:35:54.302	-0.6					T__						1041496	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	1.02	274.5	Lg	07:36:08.288	-0.2					T__						1041503	FDSN	OE	--	BUD	iLoc	HHN	???	_	
JAVC	1.23	356.0	Sn	07:36:16.301	0.3					T__						1041492	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
CONA	1.34	283.6	Lg	07:36:19.247	0.6					T__						1041493	FDSN	OE	--	BUD	iLoc	HHN	???	_	
PSZ	1.44	77.6	Lg	07:36:24.243	-1.1					T__						1041505	FDSN	GE	--	BUD	iLoc	HHN	???	_	
KOVH	1.55	172.3	Lg	07:36:25.703	-0.8					T__						1041506	FDSN	HU	--	BUD	iLoc	HHN	???	_	
ARSA	1.59	257.1	Lg	07:36:27.264	1.0					T__						1041507	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/05	08:15:26.74	1.65	1.93	48.4795	21.3772	11.9	8.8	138	0.0f	5	4	154	0.21	0.75	sx	BUD	19002844	BUD				294

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ABAH	0.21	206.6	Pg	08:15:31.880	0.6					T__		131.9		---	ML	1.0	1041529	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.21	206.6	Lg	08:15:34.254	-1.0					T__				---		1041530	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=0)																									
JOS	0.56	272.0	Lg	08:15:46.488	0.1					T__				---		1041531	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
HU02A	0.67	238.2	Lg	08:15:49.336	-2.0					T__				---		1041532	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KOLS	0.75	52.2	Lg	08:15:51.746	-1.5					T__				---		1041533	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/06/05	08:57:32.83	1.05	1.09	48.4628	20.5061	8.8	4.9	73	0.0f	7	5	144	0.02	0.72	sx	BUD	19002846	BUD					211

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
KECS	0.02	326.3	Pg	08:57:33.031	-0.6					T__		201.0		---	ML	0.7	1041553	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.02	326.3	Lg	08:57:35.039	0.6					T__				---		1041554	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 0.7 magdef=1)																									
(Station ML: 0.7 magdef=1)																									
JOS	0.04	33.8	Pg	08:57:33.304	-0.6					T__		59.9		---	ML	0.2	1041552	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.04	33.8	Lg	08:57:36.573	1.7					T__				---		1041551	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.2 magdef=1)																									
(Station ML: 0.2 magdef=1)																									
HU02A	0.34	177.9	Lg	08:57:46.123	0.1					T__				---		1041555	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.68	217.1	Lg	08:57:58.293	0.5					T__				---		1041556	FDSN	GE	--	BUD	iLoc	HHE	???	_	
ET1H	0.72	216.3	Lg	08:57:59.561	0.8					T__				---		1041557	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/06/05	08:59:07.23	3.45	0.38	48.6007	20.4193	20.8	9.0	162	0.0f	7	5	295	0.13	0.81	sx	BUD	19002848	BUD					312

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
KECS	0.13	159.4	Pg	08:59:09.786	-0.2					T__		346.7		---	ML	1.2	1041577	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.13	159.4	Lg	08:59:11.795	-0.4					T__				---		1041578	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
JOS	0.13	142.7	Pg	08:59:10.060	-0.0					T__		211.8		---	ML	1.0	1041579	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.13	142.7	Lg	08:59:12.744	0.4					T__				---		1041580	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
HU02A	0.48	171.6	Lg	08:59:25.599	0.3					T__				---		1041581	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.77	207.4	Lg	08:59:35.459	0.3					T__				---		1041582	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	0.81	207.1	Lg	08:59:36.335	0.2					T__				---		1041583	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/05	08:58:07.52	1.04	0.49	47.9357	16.0692	7.1	4.4	30	0.0f		6	3	136	0.14	1.15	sx	BUD	19002850	BUD			256

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.14	267.0	Pg	08:58:10.608	0.1					T__		84.2		---	ML	0.6	1041602	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.14	267.0	Lg	08:58:12.742	0.0					T__				---		1041604	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.6 magdef=1)																									
(Station ML: 0.6 magdef=1)																									
RONA	0.28	147.0	Pg	08:58:13.603	0.2					T__				---		1041603	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.28	147.0	Lg	08:58:17.015	-0.4					T__				---		1041605	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.15	10.8	Pg	08:58:29.979	0.4					T__		24.9		---	ML	1.5	1041606	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.15	10.8	Lg	08:58:45.938	-0.6					T__				---		1041607	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/05	09:21:32.98	0.99	0.55	47.5980	16.3493	5.4	4.1	22	0.0f		12	8	96	0.11	1.47	sx	BUD	19002852	BUD			172

Magnitude Err Nsta Author OrigID  
ML 1.5 0.3 3 BUD 19002852

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.11	340.6	Pg	09:21:35.532	0.0					T__				_c_		1041635	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.11	340.6	Lg	09:21:37.760	0.3					T__				---		1041636	FDSN	OE	--	BUD	iLoc	HHN	???	_	
SOP	0.17	58.8	Pg	09:21:36.555	-0.1					T__		372.2		---	ML	1.3	1041634	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.17	58.8	Lg	09:21:39.257	-0.1					T__				---		1041633	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
A260A	0.40	142.3	Lg	09:21:47.437	0.4					T__				---		1041637	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CONA	0.47	315.3	Pg	09:21:42.726	0.4					T__		85.2		---	ML	1.5	1041639	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.47	315.3	Lg	09:21:48.094	-0.5					T__				---		1041638	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
ARSA	0.66	238.5	Lg	09:21:53.645	-0.4					T__				---		1041641	FDSN	OE	--	BUD	iLoc	HHN	???	_	
MODS	1.00	38.4	Lg	09:22:08.472	-0.1					T__				---		1041640	FDSN	SK	--	BUD	iLoc	HHN	???	_	
HU08A	1.08	98.3	Pn	09:21:54.595	0.1					T__		68.2		---	ML	1.9	1041643	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU08A	1.08	98.3	Sn	09:22:09.129	-1.3					T__				---		1041642	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
KRUC	1.47	1.2	Sn	09:22:19.720	-0.3					T__				---		1041644	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/05	09:34:41.86	1.96	1.05	47.8696	20.1700	18.3	3.9	157	0.0f		8	5	229	0.19	0.67	sx	BUD	19002854	BUD			251

Magnitude Err Nsta Author OrigID  
ML 0.9 0.0 3 BUD 19002854

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.19	284.8	Pg	09:34:46.780	0.2					T__		371.3		---	ML	1.4	1041668	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.19	284.8	Lg	09:34:48.660	-1.7					T__				---		1041671	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
ET1H	0.20	272.8	Pg	09:34:47.200	0.6					T__		116.7		---	ML	0.9	1041669	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.20	272.8	Lg	09:34:49.720	-0.5					T__				---		1041673	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
HU02A	0.35	43.2	Pg	09:34:49.409	-0.1					T__		43.0		---	ML	0.9	1041670	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.35	43.2	Lg	09:34:54.558	-0.9					T__				---		1041674	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
KECS	0.65	18.9	Lg	09:35:05.492	0.6					T__				---		1041675	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	0.67	21.4	Lg	09:35:06.596	0.9					T__				---		1041672	FDSN	Z6	--	BUD	iLoc	HHN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/06/05 11:41:25.62 1.29 0.74 47.9349 20.1416 15.4 3.2 152 0.0f 9 6 199 0.17 0.62 sx BUD 19002856 BUD 227

Magnitude Err Nsta Author OrigID  
 ML 1.6 0.0 3 BUD 19002856

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.17	264.4	Pg	11:41:30.093	0.3					T__		696.6		---	ML	1.6	1041702	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.17	264.4	Lg	11:41:32.741	-0.5					T__				---		1041704	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
ET1H	0.19	253.0	Pg	11:41:30.193	0.1					T__		585.5		_c_	ML	1.6	1041700	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.19	253.0	Lg	11:41:33.297	-0.3					T__				---		1041701	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
HU02A	0.32	53.8	Pg	11:41:33.289	0.6					T__		117.2		---	ML	1.3	1041703	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.32	53.8	Lg	11:41:36.704	-1.5					T__				---		1041705	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
HU03A	0.37	265.3	Lg	11:41:39.500	0.1					T__				---		1041706	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KECS	0.59	22.6	Lg	11:41:46.362	-0.4					T__				---		1041707	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	0.62	25.2	Lg	11:41:47.310	-0.3					T__				---		1041708	FDSN	Z6	--	BUD	iLoc	HHN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/06/05 13:02:15.59 1.32 0.74 48.2103 21.6236 9.4 4.1 29 19.1 13.6 13 8 98 0.27 1.37 ke BUD 19002858 BUD 180

Magnitude Err Nsta Author OrigID  
 ML 1.5 0.2 4 BUD 19002858

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.27	288.7	Pg	13:02:22.109	0.2					T__		91.6		_d_	ML	1.0	1041738	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.27	288.7	Lg	13:02:26.710	-0.2					T__				---		1041739	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									



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(Station ML: 1.0 magdef=1
HU07A 0.30 139.5 Pg 13:02:22.484 0.0 T__ 276.0 --- ML 1.6 1041741 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU07A 0.30 139.5 Lg 13:02:27.642 -0.2 T__ --- 1041742 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
HU11A 0.42 227.1 Lg 13:02:31.607 0.2 T__ --- 1041744 FDSN Z6 00 BUD iLoc HHN ??? _
HU02A 0.74 263.6 Pg 13:02:30.795 -0.2 T__ 25.9 --- ML 1.3 1041745 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.74 263.6 Lg 13:02:41.367 -0.4 T__ --- 1041746 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
JOS 0.78 292.0 Pg 13:02:31.171 0.1 T__ 44.7 --- ML 1.6 1041740 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.78 292.0 Lg 13:02:41.944 -0.1 T__ --- 1041747 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
KECS 0.81 290.2 Lg 13:02:42.817 -0.2 T__ --- 1041748 FDSN SK -- BUD iLoc EHN ??? _
KOLS 0.84 30.6 Pn 13:02:32.268 0.7 T__ --- 1041743 FDSN SK -- BUD iLoc HHZ ??? _
KOLS 0.84 30.6 Lg 13:02:43.333 -0.9 T__ --- 1041749 FDSN SK -- BUD iLoc HHN ??? _
BMR 1.37 112.4 Sn 13:02:58.767 1.8 T__ --- 1041750 FDSN RO -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/06/05 14:25:07.55 3.15 0.87 45.6524 18.2065 24.5 7.9 173 10.0f 8 5 280 0.38 0.87 ke BUD 19002860 BUD 306

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Magnitude Err Nsta Author OrigID
ML 2.0 0.0 5 BUD 19002860

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
A273A 0.38 314.2 Pg 14:25:15.243 -0.2 T__ 519.9 --- ML 2.1 1041781 FDSN Z6 00 BUD iLoc HHZ HHZ _
A273A 0.38 314.2 Lg 14:25:20.557 -0.1 T__ --- 1041784 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
KOVH 0.44 350.3 Pg 14:25:15.966 -0.7 T__ 34.3 --- ML 1.1 1041778 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=0
MORH 0.64 28.3 Pg 14:25:19.951 -0.3 T__ 31.6 --- ML 1.4 1041779 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
A264A 0.82 308.7 Pn 14:25:23.893 0.1 T__ 145.2 --- ML 2.1 1041780 FDSN Z6 00 BUD iLoc HHZ HHZ _
A264A 0.82 308.7 Lg 14:25:34.976 0.8 T__ --- 1041782 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=0
A266A 0.87 2.6 Pg 14:25:25.578 1.0 T__ 114.1 --- ML 2.0 1041783 FDSN Z6 00 BUD iLoc HHZ HHZ _
A266A 0.87 2.6 Sn 14:25:38.761 1.2 T__ --- 1041785 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/06/05 19:21:02.89 2.37 0.63 45.7237 18.2171 16.8 6.4 164 10.0f 7 4 273 0.34 0.78 ke BUD 19002862 BUD 316

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Magnitude Err Nsta Author OrigID
ML 1.6 0.5 4 BUD 19002862

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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
A273A	0.34	304.6	Pg	19:21:09.624	-0.4					T__		491.2		---	ML	1.9	1042655	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A273A	0.34	304.6	Lg	19:21:15.120	0.3					T__				---		1042656	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=1)																									
KOVH	0.37	347.4	Pg	19:21:10.320	-0.4					T__		21.5		---	ML	0.7	1042657	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.37	347.4	Lg	19:21:16.401	0.2					T__				---		1042660	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.7 magdef=1 Station ML: 0.7 magdef=1)																									
MORH	0.57	31.0	Pg	19:21:14.284	-0.0					T__		24.4		---	ML	1.2	1042658	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.2 magdef=1 Station ML: 1.2 magdef=1)																									
A264A	0.78	304.3	Pg	19:21:18.238	0.1					T__		94.7		---	ML	1.9	1042654	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A264A	0.78	304.3	Lg	19:21:29.449	1.1					T__				---		1042659	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/06/05	19:57:15.27	2.50	0.74	45.6987	18.2155	17.6	6.7	165	10.0f		7	4	275	0.35	0.79		ke BUD	19002864	BUD				317

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.5	4 BUD	19002864

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
A273A	0.35	308.1	Pg	19:57:22.111	-0.6					T__		132.2		---	ML	1.4	1042686	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A273A	0.35	308.1	Lg	19:57:27.954	0.3					T__				---		1042687	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1 Station ML: 1.4 magdef=1)																									
KOVH	0.40	348.3	Pg	19:57:23.244	-0.3					T__		17.1		---	ML	0.6	1042689	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.40	348.3	Lg	19:57:29.269	-0.0					T__				---		1042688	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.6 magdef=1 Station ML: 0.6 magdef=1)																									
MORH	0.60	29.9	Pg	19:57:27.087	-0.0					T__		21.5		---	ML	1.2	1042690	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.2 magdef=1 Station ML: 1.2 magdef=1)																									
A264A	0.79	305.8	Pg	19:57:31.081	0.3					T__		87.3		---	ML	1.9	1042692	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A264A	0.79	305.8	Lg	19:57:42.447	1.3					T__				---		1042691	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/06/06	02:14:52.76	1.26	0.50	45.6503	18.1863	6.7	5.0	7	2.2	11.4	52	47	64	0.37	4.15		ke BUD	19002872	BUD					123

Magnitude	Err	Nsta	Author	OrigID
ML	3.2	0.1	44 BUD	19002872

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
A273A	0.37	315.9	Pg	02:15:00.505	0.1					T__		7417.4		---	ML	3.2	1043728	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A273A	0.37	315.9	Lg	02:15:06.328	0.9					T__				---		1043729	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

(Reading ML: 3.2 magdef=1 (Station ML: 3.2 magdef=1 KOVH 0.44 352.2 Pg 02:15:01.655 -0.2	T__	2499.7	___ ML	2.9 1043724	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
KOVH 0.44 352.2 Lg 02:15:07.668 -0.4	T__		---	1043770	FDSN HU	-- BUD	iLoc	HHN ???	_
(Reading ML: 2.9 magdef=1 (Station ML: 2.9 magdef=0 MORH 0.65 29.3 Pg 02:15:05.504 -0.2	T__	2268.4	_d_ ML	3.2 1043730	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 3.2 magdef=1 (Station ML: 3.2 magdef=1 A264A 0.81 309.5 Pg 02:15:08.363 -0.5	T__	7550.8	___ ML	3.8 1043732	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 3.8 magdef=1 (Station ML: 3.8 magdef=0 A265A 0.82 340.8 Pg 02:15:09.023 -0.1	T__	3130.6	___ ML	3.5 1043731	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 3.5 magdef=1 (Station ML: 3.5 magdef=1 A266A 0.88 3.5 Pn 02:15:10.184 -0.4	T__	5244.3	___ ML	3.7 1043733	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 3.7 magdef=1 (Station ML: 3.7 magdef=0 HU22A 0.95 43.8 Pg 02:15:11.453 0.1	T__	3877.2	___ ML	3.6 1043734	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 3.6 magdef=1 (Station ML: 3.6 magdef=0 BLY 1.15 218.5 Lg 02:15:29.933 0.4	T__		---	1043771	FDSN MN	-- BUD	iLoc	HHN ???	_
A263A 1.16 328.9 Pn 02:15:14.518 -0.1	T__	3214.3	___ ML	3.7 1043735	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 3.7 magdef=1 (Station ML: 3.7 magdef=0 A272A 1.22 26.0 Pn 02:15:15.493 0.2	T__	1151.6	___ ML	3.2 1043736	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 3.2 magdef=1 (Station ML: 3.2 magdef=1 FRGS 1.25 112.7 Pg 02:15:15.957 -0.1	T__	1357.9	___ ML	3.3 1043739	FDSN SJ	-- BUD	iLoc	BHZ BHZ	_
(Reading ML: 3.3 magdef=1 (Station ML: 3.3 magdef=1 BADH 1.26 337.0 Pn 02:15:15.925 -0.0	T__	2159.3	___ ML	3.5 1043738	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 3.5 magdef=1 (Station ML: 3.5 magdef=1 TIH 1.27 350.9 Pn 02:15:16.075 0.0	T__	2412.3	___ ML	3.6 1043737	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 3.6 magdef=1 (Station ML: 3.6 magdef=0 BEHE 1.28 310.4 Pn 02:15:16.214 -0.2	T__	3480.3	___ ML	3.8 1043741	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
BEHE 1.28 310.4 Lg 02:15:35.374 1.1	T__		---	1043742	FDSN HU	-- BUD	iLoc	HHN ???	_
(Reading ML: 3.8 magdef=1 (Station ML: 3.8 magdef=0 A267A 1.31 8.9 Pn 02:15:16.550 -0.1	T__	1114.8	___ ML	3.3 1043740	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 3.3 magdef=1 (Station ML: 3.3 magdef=1 HU04B 1.45 36.3 Pn 02:15:18.642 0.1	T__	843.2	___ ML	3.2 1043743	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 3.2 magdef=1 (Station ML: 3.2 magdef=1 A261A 1.49 331.5 Pn 02:15:19.651 0.5	T__	1683.8	___ ML	3.6 1043744	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 3.6 magdef=1 (Station ML: 3.6 magdef=1 ZAG 1.55 277.3 Pg 02:15:22.172 0.1	T__	2241.4	___ ML	3.7 1043772	FDSN CR	-- BUD	iLoc	BHZ BHZ	_
(Reading ML: 3.7 magdef=1 (Station ML: 3.7 magdef=0									

A271A	1.57	16.4	Pn	02:15:20.556	0.3	T__	815.2	___	ML	3.3	1043745	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.3 magdef=1)																			
(Station ML: 3.3 magdef=1)																			
PTJ	1.57	280.2	Pn	02:15:19.156	-1.9	T__	732.7	___	ML	3.2	1043747	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	1.57	280.2	Pg	02:15:22.522	-0.3	T__		---			1043773	FDSN	CR	--	BUD	iLoc	BHZ	???	_
(Reading ML: 3.2 magdef=1)																			
(Station ML: 3.2 magdef=1)																			
MPLH	1.58	343.8	Pn	02:15:20.904	0.4	T__	586.2	___	ML	3.1	1043746	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	1.58	343.8	Sn	02:15:41.110	-0.5	T__		---			1043774	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 3.1 magdef=1)																			
(Station ML: 3.1 magdef=1)																			
A262A	1.67	317.1	Pn	02:15:22.091	0.3	T__	856.2	___	ML	3.4	1043748	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.4 magdef=1)																			
(Station ML: 3.4 magdef=1)																			
CSKK	1.71	1.7	Pn	02:15:22.435	0.1	T__	373.0	___	ML	3.0	1043725	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.0 magdef=1)																			
(Station ML: 3.0 magdef=0)																			
HU13A	1.85	43.1	Pg	02:15:28.364	-0.6	T__	408.7	___	ML	3.1	1043775	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.1 magdef=1)																			
(Station ML: 3.1 magdef=1)																			
BUD	1.92	17.2	Pn	02:15:24.298	-0.9	T__	326.4	___	ML	3.1	1043749	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.1 magdef=1)																			
(Station ML: 3.1 magdef=1)																			
A260A	1.93	328.5	Pn	02:15:25.594	0.3	T__	479.1	___	ML	3.3	1043750	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.3 magdef=1)																			
(Station ML: 3.3 magdef=1)																			
BBLs	1.98	153.6	Pn	02:15:26.848	0.3	T__	413.1	___	ML	3.2	1043752	FDSN	SJ	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 3.2 magdef=1)																			
(Station ML: 3.2 magdef=1)																			
HU09A	1.99	3.8	Pn	02:15:26.555	0.4	T__	384.8	___	ML	3.2	1043751	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.2 magdef=1)																			
(Station ML: 3.2 magdef=1)																			
HU10A	2.27	14.3	Pn	02:15:30.368	0.4	T__	193.7	___	ML	3.0	1043753	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.0 magdef=1)																			
(Station ML: 3.0 magdef=0)																			
SOP	2.32	331.7	Pn	02:15:30.955	0.2	T__	150.7	___	ML	3.0	1043754	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.0 magdef=1)																			
(Station ML: 3.0 magdef=0)																			
BZS	2.41	89.6	Pn	02:15:32.175	0.1	T__	138.9	___	ML	3.0	1043756	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.0 magdef=1)																			
(Station ML: 3.0 magdef=0)																			
RONA	2.43	328.3	Pn	02:15:32.460	0.0	T__		---			1043758	FDSN	OE	--	BUD	iLoc	HHZ	???	_
ARSA	2.44	312.0	Pn	02:15:32.278	-0.3	T__	227.8	___	ML	3.2	1043759	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.2 magdef=1)																			
(Station ML: 3.2 magdef=1)																			
HU23A	2.44	34.8	Pn	02:15:32.369	0.1	T__	284.3	___	ML	3.3	1043755	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.3 magdef=1)																			
(Station ML: 3.3 magdef=1)																			
HU03A	2.45	22.8	Pn	02:15:32.664	0.2	T__	321.6	___	ML	3.4	1043757	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.4 magdef=1)																			
(Station ML: 3.4 magdef=1)																			
PSZ	2.55	26.7	Pn	02:15:33.424	-0.7	T__	138.8	___	ML	3.1	1043760	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.1 magdef=1)																			

(Station ML: 3.1 magdef=0	ZST	2.65	344.1	Pn	02:15:35.648	0.2	T__							1043761	FDSN	SK	--	BUD	iLoc	HHZ	???	_
	OBKA	2.67	290.0	Pn	02:15:35.253	-1.1	T__	206.3	---	ML	3.3	1043762	FDSN	OE			--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.3 magdef=1																						
(Station ML: 3.3 magdef=1	CONA	2.78	325.8	Pn	02:15:37.268	-0.2	T__	102.2	---	ML	3.1	1043726	FDSN	OE			--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.1 magdef=1																						
(Station ML: 3.1 magdef=0	MODS	2.79	347.5	Pn	02:15:37.429	-0.1	T__	77135.9	---	ML	5.9	1043727	FDSN	SK			--	BUD	iLoc	HHN	HHZ	_
(Reading ML: 5.9 magdef=1																						
(Station ML: 5.9 magdef=0	HU02A	2.95	32.1	Pn	02:15:39.076	-0.4	T__	95.4	---	ML	3.1	1043763	FDSN	Z6			00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.1 magdef=1																						
(Station ML: 3.1 magdef=1	JAVC	3.23	353.9	Pn	02:15:44.026	0.3	T__	99.0	---	ML	3.3	1043764	FDSN	CZ			--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.3 magdef=1																						
(Station ML: 3.3 magdef=1	DRGR	3.34	68.4	Pn	02:15:45.191	-0.1	T__	61.7	---	ML	3.1	1043765	FDSN	RO			--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.1 magdef=1																						
(Station ML: 3.1 magdef=1	ABAH	3.37	37.2	Pn	02:15:45.962	0.8	T__	64.7	---	ML	3.2	1043766	FDSN	HU			--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.2 magdef=1																						
(Station ML: 3.2 magdef=1	KRUC	3.62	341.0	Pn	02:15:48.403	-0.5	T__	114.1	---	ML	3.6	1043767	FDSN	CZ			--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.6 magdef=1																						
(Station ML: 3.6 magdef=1	VRAC	3.82	344.1	Pn	02:15:51.312	-0.3	T__	20.0	---	ML	2.9	1043768	FDSN	CZ			--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.9 magdef=1																						
(Station ML: 2.9 magdef=0	MORC	4.15	354.2	Pn	02:15:56.624	0.2	T__	60.2	---	ML	3.4	1043769	FDSN	CZ			--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.4 magdef=1																						
(Station ML: 3.4 magdef=1																						

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/06	06:00:13.55	1.21	0.96	48.3717	17.3436	10.3	3.6	129	0.0f		9	6	198	0.04	1.09	sx	BUD	19002874	BUD			264

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MODS	0.04	272.5	Pg	06:00:15.755	0.6					T__						1043886	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.04	272.5	Lg	06:00:16.884	0.2					T__						1043890	FDSN	SK	--	BUD	iLoc	HHN	???	_
ZST	0.24	222.6	Pg	06:00:17.714	-1.1					T__						1043887	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.24	222.6	Lg	06:00:23.229	0.2					T__						1043892	FDSN	SK	--	BUD	iLoc	HHN	???	_
JAVC	0.53	23.9	Pg	06:00:25.209	0.5					T__		87.0		---	ML	1.7	1043888	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ
JAVC	0.53	23.9	Lg	06:00:31.660	-1.7					T__						1043893	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1																								
(Station ML: 1.7 magdef=1	KRUC	0.93	318.1	Pg	06:00:31.937	0.5				T__		35.9		---	ML	1.6	1043889	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ
(Reading ML: 1.6 magdef=1																								
(Station ML: 1.6 magdef=1																								
RONA	0.97	226.7	Pg	06:00:33.580	0.7					T__						1043894	FDSN	OE	--	BUD	iLoc	HHZ	???	_
CONA	1.09	246.5	Lg	06:00:49.269	0.2					T__						1043891	FDSN	OE	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/06	07:59:25.36	1.52	0.54	48.5256	20.7438	12.4	3.8	9	0.0f	9	6	226	0.14	0.87	sx	BUD	19002876	BUD				302

Magnitude	Err	Nsta	Author	OrigID
ML	1.1	0.1	3 BUD	19002876

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.14	257.7	Pg	07:59:28.504	0.1					T__		220.7		---	ML	1.0	1043917	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.14	257.7	Lg	07:59:31.048	0.3					T__				---		1043918	FDSN	Z6	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
KECS	0.18	256.2	Pg	07:59:29.047	-0.1					T__		481.0		---	ML	1.5	1043919	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.18	256.2	Lg	07:59:31.932	-0.2					T__				---		1043920	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
ABAH	0.40	124.6	Pg	07:59:33.901	0.3					T__		48.7		---	ML	1.1	1043921	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.40	124.6	Lg	07:59:39.815	-0.8					T__				---		1043922	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
HU02A	0.43	200.0	Lg	07:59:42.029	0.5					T__				---		1043923	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
PSZ	0.83	223.4	Lg	07:59:54.698	-0.8					T__				---		1043924	FDSN	GE	--	BUD	iLoc	HNN	???	_	
ET1H	0.87	222.4	Lg	07:59:56.401	-0.0					T__				---		1043925	FDSN	HU	--	BUD	iLoc	HNN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/06/06	09:59:58.23	0.91	1.06	48.0861	17.0080	5.5	4.3	121	0.0f	12	9	104	0.13	1.31	sx	BUD	19002878	BUD					130

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ZST	0.13	29.9	Pg	10:00:01.873	0.5					T__				---		1044297	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
ZST	0.13	29.9	Lg	10:00:04.045	-0.1					T__				---		1044300	FDSN	SK	--	BUD	iLoc	HNN	???	_	
MODS	0.34	31.9	Pg	10:00:05.557	-0.0					T__				---		1044296	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.34	31.9	Lg	10:00:11.050	-0.4					T__				---		1044301	FDSN	SK	--	BUD	iLoc	HNN	???	_	
RONA	0.62	231.3	Lg	10:00:19.879	1.1					T__				---		1044302	FDSN	OE	--	BUD	iLoc	HNN	???	_	
CONA	0.79	258.8	Lg	10:00:22.731	-1.4					T__				---		1044303	FDSN	OE	--	BUD	iLoc	HNN	???	_	
JAVC	0.89	29.4	Pn	10:00:18.992	1.3					T__		61.7		---	ML	1.8	1044298	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
HU08A	0.90	136.3	Lg	10:00:28.878	-1.4					T__				---		1044304	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
MPLH	0.98	158.4	Lg	10:00:32.886	0.7					T__				---		1044307	FDSN	HU	--	BUD	iLoc	HNN	???	_	
KRUC	1.06	337.6	Pg	10:00:19.110	0.6					T__		27.8		---	ML	1.5	1044305	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.06	337.6	Lg	10:00:33.470	-0.7					T__				---		1044299	FDSN	CZ	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
ARSA	1.31	230.8	Lg	10:00:38.542	-1.3					T__				---		1044306	FDSN	OE	--	BUD	iLoc	HNN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/06/06	10:10:32.51	0.92	0.86	47.7154	19.0882	5.9	3.3	168	0.0f	15	10	165	0.14	1.25	sx	BUD	19002880	BUD					170

Magnitude Err Nsta Author OrigID  
 ML 1.6 0.0 5 BUD 19002880

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU10A	0.14	340.1	Pg	10:10:36.187	0.4					T__		3828.3		---	ML	2.3	1044342	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU10A	0.14	340.1	Lg	10:10:37.720	-1.0					T__				---		1044352	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=0)																									
HU03A	0.39	61.1	Lg	10:10:47.246	-0.1					T__				---		1044338	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU09A	0.48	261.1	Lg	10:10:50.542	-0.2					T__				---		1044343	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ET1H	0.55	72.5	Pg	10:10:44.776	0.4					T__		49.7		---	ML	1.5	1044340	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.55	72.5	Lg	10:10:52.611	-0.3					T__				---		1044339	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=0)																									
PSZ	0.58	69.2	Pg	10:10:45.031	-0.1					T__		57.5		---	ML	1.6	1044341	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.58	69.2	Lg	10:10:53.250	-1.1					T__				---		1044344	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
CSKK	0.66	238.2	Lg	10:10:55.894	-1.1					T__				---		1044345	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU08A	0.84	250.6	Lg	10:11:02.352	-0.2					T__				---		1044346	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	1.05	66.6	Pn	10:10:54.610	1.1					T__		33.9		---	ML	1.6	1044348	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.05	66.6	Sn	10:11:09.003	-1.2					T__				---		1044347	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
MPLH	1.18	243.1	Lg	10:11:13.298	0.1					T__				---		1044349	FDSN	HU	--	BUD	iLoc	HHN	???	_	
JOS	1.25	50.7	Pn	10:10:57.533	1.4					T__		35.4		---	ML	1.7	1044351	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	1.25	50.7	Sn	10:11:15.418	0.8					T__				---		1044350	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/06/06 12:08:12.91 1.06 1.14 47.9384 16.1100 6.9 4.0 16 0.0f 8 6 102 0.17 1.14 sx BUD 19002884 BUD 159

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.17	266.6	Pg	12:08:16.713	0.2					T__		316.2		---	ML	1.3	1044416	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.17	266.6	Lg	12:08:19.183	0.2					T__				---		1044417	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=0)																									
RONA	0.27	152.2	Pg	12:08:18.545	-0.0					T__				---		1044419	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.27	152.2	Lg	12:08:22.249	-0.2					T__				---		1044418	FDSN	OE	--	BUD	iLoc	HHN	???	_	
SOP	0.40	130.0	Lg	12:08:27.892	1.3					T__				---		1044420	FDSN	HU	--	BUD	iLoc	HHN	???	_	
ARSA	0.79	210.2	Lg	12:08:36.919	-1.4					T__				---		1044421	FDSN	OE	--	BUD	iLoc	HHN	???	_	
MODS	0.89	60.4	Lg	12:08:44.073	-0.9					T__				---		1044422	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KRUC	1.14	9.5	Sn	12:08:53.442	1.5					T__				---		1044423	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/06/06 12:12:26.62 1.04 1.09 47.3537 18.3733 5.7 4.4 129 0.0f 14 11 107 0.08 1.28 sx BUD 19002886 BUD 108

Magnitude Err Nsta Author OrigID  
 ML 1.7 0.2 3 BUD 19002886

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.08	277.0	Pg	12:12:28.729	-0.1					T__		2482.3		---	ML	1.9	1044449	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.08	277.0	Lg	12:12:29.325	-1.8					T__				---		1044450	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
HU09A	0.29	1.2	Lg	12:12:37.893	-0.2					T__				---		1044451	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU08A	0.32	284.4	Lg	12:12:40.388	1.3					T__				---		1044452	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A267A	0.41	169.6	Lg	12:12:42.694	0.3					T__				---		1044453	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
SR0	0.46	355.0	Lg	12:12:45.424	1.2					T__				---		1044454	FDSN	SK	--	BUD	iLoc	EHN	???	_	
MPLH	0.60	252.4	Lg	12:12:48.356	0.3					T__				---		1044455	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU10A	0.66	41.4	Lg	12:12:50.321	-0.8					T__				---		1044456	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ET1H	1.14	62.0	Pn	12:12:49.271	0.5					T__		25.2		---	ML	1.5	1044458	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	1.14	62.0	Sn	12:13:04.941	-1.4					T__				---		1044457	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
MORH	1.15	170.6	Sn	12:13:05.602	-0.6					T__				---		1044461	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	1.17	60.7	Pn	12:12:49.878	0.5					T__		34.4		---	ML	1.7	1044459	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.17	60.7	Sn	12:13:06.826	-0.7					T__				---		1044460	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
KOVH	1.28	188.6	Sn	12:13:11.011	1.7					T__				---		1044462	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/06/06 13:27:15.74 1.52 1.33 48.9756 21.2016 8.3 7.8 160 0.0f 9 8 145 0.65 1.41 sx BUD 19002888 BUD 230

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.65	222.6	Pg	13:27:28.701	0.1					T__		51.6		---	ML	1.6	1044485	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.65	222.6	Lg	13:27:38.766	0.4					T__				---		1044490	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=0)																									
ABAH	0.68	177.9	Lg	13:27:38.852	-1.7					T__				---		1044488	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KECS	0.68	224.2	Lg	13:27:40.129	0.6					T__				---		1044491	FDSN	SK	--	BUD	iLoc	EHN	???	_	
KOLS	0.71	93.0	Lg	13:27:41.492	0.8					T__				---		1044487	FDSN	SK	--	BUD	iLoc	HHN	???	_	
NIE	0.74	307.2	Lg	13:27:39.533	-0.7					T__				---		1044489	FDSN	PL	--	BUD	iLoc	BHN	???	_	
HU02A	0.97	208.0	Lg	13:27:48.289	-1.4					T__				---		1044486	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	1.37	219.9	Sn	13:28:03.294	1.7					T__				---		1044492	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	1.41	219.4	Lg	13:28:04.998	1.2					T__				---		1044493	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/06/06 14:55:51.35 1.11 0.50 47.3153 16.3993 7.6 4.2 33 0.0f 12 9 163 0.21 1.75 sx BUD 19002890 BUD 229

Magnitude Err Nsta Author OrigID  
 ML 1.4 0.1 3 BUD 19002890



Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
A260A	0.21	98.6	Lg	14:55:59.473	-0.0					T__						1044524	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
SOP	0.38	16.3	Lg	14:56:05.149	0.3					T__						1044526	FDSN	HU	--	BUD	iLoc	HHN	???	_	
RONA	0.39	349.7	Pg	14:55:58.743	-0.7					T__						1044519	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.39	349.7	Lg	14:56:04.662	-0.3					T__						1044525	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.60	264.1	Pg	14:56:02.661	-0.3					T__		36.2		---	ML	1.4	1044520	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
EGYH	0.64	80.5	Lg	14:56:14.555	0.2					T__						1044527	FDSN	HU	--	BUD	iLoc	HHN	???	_	
CONA	0.71	329.5	Pg	14:56:06.334	0.8					T__		35.1		---	ML	1.4	1044517	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.71	329.5	Lg	14:56:15.819	0.9					T__						1044518	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
MPLH	0.79	100.2	Pg	14:56:07.494	0.1					T__		35.9		---	ML	1.5	1044523	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.79	100.2	Lg	14:56:19.205	0.0					T__						1044528	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
MODS	1.21	28.9	Pn	14:56:15.074	0.1					T__						1044521	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KRUC	1.75	359.9	Sn	14:56:45.393	0.1					T__						1044522	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/06	17:26:51.87	0.58	0.61	46.0818	21.5085	2.8	2.2	49	6.5	4.5	92	75	35	0.47	6.09	ke	BUD	19002892	BUD			51

Magnitude	Err	Nsta	Author	OrigID
ML	5.1	0.1	71 BUD	19002892

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
BZS	0.47	170.7	Pg	17:27:01.693	0.5					T__		166110.7		---	ML	4.8	1046137	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.47	170.7	Lg	17:27:08.675	0.7					T__						1046208	FDSN	RO	--	BUD	iLoc	BHN	???	_	
(Reading ML: 4.8 magdef=1)																									
(Station ML: 4.8 magdef=0)																									
BANR	0.75	200.6	Pn	17:27:07.065	-0.5					T__		1137099.1		---	ML	6.0	1046130	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BANR	0.75	200.6	Sn	17:27:19.812	-0.1					T__						1046135	FDSN	RO	--	BUD	iLoc	BHN	???	_	
(Reading ML: 6.0 magdef=1)																									
(Station ML: 6.0 magdef=0)																									
HU24A	0.86	343.9	Pn	17:27:08.698	-0.4					T__		137820.1		---	ML	5.1	1046139	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 5.1 magdef=1)																									
(Station ML: 5.1 magdef=1)																									
HU06A	0.91	314.4	Pg	17:27:10.220	-0.4					T__		127804.6		---	ML	5.1	1046140	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 5.1 magdef=1)																									
(Station ML: 5.1 magdef=1)																									
DEV	0.99	101.0	Pn	17:27:10.181	-1.0					T__		101131.4		---	ML	5.1	1046141	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DEV	0.99	101.0	Lg	17:27:24.644	0.4					T__						1046210	FDSN	RO	--	BUD	iLoc	BHN	???	_	
(Reading ML: 5.1 magdef=1)																									
(Station ML: 5.1 magdef=1)																									
HU14A	1.06	290.8	Pg	17:27:12.397	-0.7					T__		116099.3		---	ML	5.2	1046142	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 5.2 magdef=1)																									
(Station ML: 5.2 magdef=1)																									
DRGR	1.09	49.1	Pn	17:27:12.831	0.2					T__		193878.3		---	ML	5.4	1046204	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	1.09	49.1	Sn	17:27:25.994	-2.9					T__						1046211	FDSN	RO	--	BUD	iLoc	BHN	???	_	
(Reading ML: 5.4 magdef=1)																									
(Station ML: 5.4 magdef=0)																									

GZR	1.12	127.3	Pn	17:27:13.255	-0.1	T__	151206.9	___	ML	5.3	1046143	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.12	127.3	Sn	17:27:29.468	-0.2	T__		---			1046138	FDSN	RO	--	BUD	iLoc	BHE	???	_
				(Reading ML: 5.3 magdef=1															
				(Station ML: 5.3 magdef=1															
HU12A	1.20	337.1	Pn	17:27:14.062	0.3	T__	93047.7	___	ML	5.1	1046144	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU12A	1.20	337.1	Lg	17:27:31.729	-0.1	T__		---			1046212	FDSN	Z6	00	BUD	iLoc	HHN	???	_
				(Reading ML: 5.1 magdef=1															
				(Station ML: 5.1 magdef=1															
HU21A	1.26	282.1	Pn	17:27:14.998	0.5	T__	44482.5	___	ML	4.8	1046145	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 4.8 magdef=1															
				(Station ML: 4.8 magdef=0															
LTVH	1.33	11.5	Pn	17:27:16.000	0.4	T__	44001.8	___	ML	4.9	1046205	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
LTVH	1.33	11.5	Sn	17:27:34.167	0.2	T__		---			1046213	FDSN	HU	--	BUD	iLoc	HHN	???	_
				(Reading ML: 4.9 magdef=1															
				(Station ML: 4.9 magdef=0															
HU13A	1.36	312.2	Pn	17:27:16.455	0.4	T__	81383.5	___	ML	5.2	1046146	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU13A	1.36	312.2	Sn	17:27:34.322	-0.3	T__		---			1046214	FDSN	Z6	00	BUD	iLoc	HHN	???	_
				(Reading ML: 5.2 magdef=1															
				(Station ML: 5.2 magdef=1															
BSZH	1.49	325.4	Pn	17:27:18.341	0.6	T__	72099.5	___	ML	5.2	1046148	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BSZH	1.49	325.4	Sn	17:27:38.210	0.7	T__		---			1046215	FDSN	HU	--	BUD	iLoc	HHN	???	_
				(Reading ML: 5.2 magdef=1															
				(Station ML: 5.2 magdef=1															
HU05A	1.49	350.3	Pn	17:27:17.992	0.2	T__	33668.4	___	ML	4.9	1046147	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU05A	1.49	350.3	Sn	17:27:37.561	-0.1	T__		---			1046216	FDSN	Z6	00	BUD	iLoc	HHN	???	_
				(Reading ML: 4.9 magdef=1															
				(Station ML: 4.9 magdef=0															
FRGS	1.51	232.8	Pg	17:27:19.215	-1.1	T__	75476.4	___	ML	5.2	1046149	FDSN	SJ	--	BUD	iLoc	BHZ	BHZ	_
FRGS	1.51	232.8	Sn	17:27:38.883	0.3	T__		---			1046217	FDSN	SJ	--	BUD	iLoc	BHN	???	_
				(Reading ML: 5.2 magdef=1															
				(Station ML: 5.2 magdef=1															
CJR	1.58	65.7	Pn	17:27:19.892	0.3	T__	213447.6	___	ML	5.7	1046207	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
CJR	1.58	65.7	Sn	17:27:40.475	-0.2	T__		---			1046136	FDSN	RO	--	BUD	iLoc	BHN	???	_
				(Reading ML: 5.7 magdef=1															
				(Station ML: 5.7 magdef=0															
DJES	1.59	152.9	Pn	17:27:20.304	0.7	T__	473150.7	___	ML	6.1	1046151	FDSN	SJ	--	BUD	iLoc	BHZ	BHZ	_
DJES	1.59	152.9	Lg	17:27:41.774	-0.7	T__		---			1046218	FDSN	SJ	--	BUD	iLoc	BHN	???	_
				(Reading ML: 6.1 magdef=1															
				(Station ML: 6.1 magdef=0															
HU04B	1.61	297.8	Pn	17:27:19.419	0.0	T__	50684.9	___	ML	5.1	1046150	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 5.1 magdef=1															
				(Station ML: 5.1 magdef=1															
HU22A	1.67	279.3	Pn	17:27:20.583	0.4	T__	35347.8	___	ML	5.0	1046152	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 5.0 magdef=1															
				(Station ML: 5.0 magdef=1															
LOT	1.70	111.0	Pn	17:27:22.112	0.3	T__	50047.1	___	ML	5.1	1046206	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
LOT	1.70	111.0	Sn	17:27:44.183	0.0	T__		---			1046209	FDSN	RO	--	BUD	iLoc	BHN	???	_
				(Reading ML: 5.1 magdef=1															
				(Station ML: 5.1 magdef=1															
HU23A	1.78	331.4	Pn	17:27:22.442	0.6	T__	38385.4	___	ML	5.1	1046153	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 5.1 magdef=1															
				(Station ML: 5.1 magdef=1															
HU01A	1.81	314.9	Pn	17:27:22.813	0.5	T__	39395.5	___	ML	5.1	1046154	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_

(Reading ML: 5.1 magdef=1 (Station ML: 5.1 magdef=1 HU11A 1.86 352.9 Pn 17:27:23.436 0.5	T__	34257.4	___ ML	5.1 1046155	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
HU11A 1.86 352.9 Sn 17:27:46.908 0.5	T__		---	1046219	FDSN Z6	00 BUD	iLoc	HHN ???	_
(Reading ML: 5.1 magdef=1 (Station ML: 5.1 magdef=1 A272A 1.88 291.6 Pn 17:27:23.376 0.2	T__	45394.5	___ ML	5.2 1046157	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 5.2 magdef=1 (Station ML: 5.2 magdef=1 HU07A 1.92 8.2 Pn 17:27:24.151 0.3	T__	33785.6	___ ML	5.1 1046156	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 5.1 magdef=1 (Station ML: 5.1 magdef=1 MORH 2.00 274.9 Pn 17:27:24.680 -0.1	T__	9961.1	___ ML	4.6 1046158	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.6 magdef=1 (Station ML: 4.6 magdef=0 BMR 2.10 39.9 Pn 17:27:26.930 0.2	T__	102874.7	___ ML	5.7 1046159	FDSN R0	-- BUD	iLoc	BHZ BHZ	_
(Reading ML: 5.7 magdef=1 (Station ML: 5.7 magdef=0 ET1H 2.12 328.7 Pn 17:27:26.385 -0.3	T__	12985.6	___ ML	4.8 1046160	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.8 magdef=1 (Station ML: 4.8 magdef=0 A271A 2.13 301.2 Pn 17:27:27.147 0.4	T__	36695.7	___ ML	5.3 1046163	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
A271A 2.13 301.2 Lg 17:28:02.129 -0.8	T__		---	1046221	FDSN Z6	00 BUD	iLoc	HHN ???	_
(Reading ML: 5.3 magdef=1 (Station ML: 5.3 magdef=1 PSZ 2.14 329.6 Pn 17:27:26.688 -0.5	T__	18987.6	___ ML	5.0 1046161	FDSN GE	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 5.0 magdef=1 (Station ML: 5.0 magdef=1 HU02A 2.15 342.1 Pn 17:27:26.741 -0.4	T__	10505.8	___ ML	4.7 1046162	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.7 magdef=1 (Station ML: 4.7 magdef=0 TRPA 2.17 18.6 Pn 17:27:26.899 -0.6	T__	11199.9	___ ML	4.8 1046164	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.8 magdef=1 (Station ML: 4.8 magdef=0 BUD 2.21 310.3 Pn 17:27:27.469 -0.4	T__	15875.9	___ ML	4.9 1046166	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.9 magdef=1 (Station ML: 4.9 magdef=0 ABAH 2.22 355.4 Pn 17:27:27.863 -0.2	T__	14124.3	___ ML	4.9 1046165	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.9 magdef=1 (Station ML: 4.9 magdef=0 HU03A 2.24 325.1 Pn 17:27:28.584 0.3	T__	37362.7	___ ML	5.3 1046167	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 5.3 magdef=1 (Station ML: 5.3 magdef=1 A267A 2.26 293.6 Pn 17:27:29.114 0.6	T__	29503.8	___ ML	5.2 1046168	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 5.2 magdef=1 (Station ML: 5.2 magdef=1 KOVH 2.37 271.4 Pn 17:27:29.898 -0.2	T__	8421.5	___ ML	4.7 1046169	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.7 magdef=1 (Station ML: 4.7 magdef=0 HU10A 2.45 316.9 Pn 17:27:31.648 0.4	T__	43203.3	___ ML	5.5 1046170	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 5.5 magdef=1 (Station ML: 5.5 magdef=0 KECS 2.50 344.2 Pn 17:27:32.682 0.7	T__	13656.1	___ ML	5.0 1046171	FDSN SK	-- BUD	iLoc	EHZ EHZ	_

(Reading ML: 5.0 magdef=1 (Station ML: 5.0 magdef=1 JOS 2.50 345.1 Pn 17:27:32.297 0.3	T__	7307.1	___ ML	4.8 1046172	FDSN Z6	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.8 magdef=1 (Station ML: 4.8 magdef=0 CSKK 2.58 301.0 Pn 17:27:32.937 -0.0	T__	15956.0	___ ML	5.1 1046131	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 5.1 magdef=1 (Station ML: 5.1 magdef=1 A273A 2.58 267.6 Pn 17:27:33.562 0.6	T__	16443.2	___ ML	5.1 1046173	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 5.1 magdef=1 (Station ML: 5.1 magdef=1 A265A 2.60 278.9 Pn 17:27:33.334 0.1	T__	20326.1	___ ML	5.3 1046174	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 5.3 magdef=1 (Station ML: 5.3 magdef=1 TIH 2.63 289.4 Pn 17:27:33.815 0.2	T__	23304.5	___ ML	5.3 1046132	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 5.3 magdef=1 (Station ML: 5.3 magdef=1 HU09A 2.65 307.1 Pn 17:27:34.471 0.5	T__	22053.9	___ ML	5.3 1046175	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 5.3 magdef=1 (Station ML: 5.3 magdef=1 BBLs 2.67 214.7 Pn 17:27:34.690 0.0	T__	15538.3	___ ML	5.2 1046176	FDSN SJ	-- BUD	iLoc	BHZ BHZ	_
(Reading ML: 5.2 magdef=1 (Station ML: 5.2 magdef=1 BBLs 2.67 214.7 Sn 17:28:07.971 0.9	T__		___	1046220	FDSN SJ	-- BUD	iLoc	BHN ???	_
(Reading ML: 5.2 magdef=1 (Station ML: 5.2 magdef=1 SR0 2.79 309.5 Pn 17:27:37.099 1.2	T__	77280.3	___ ML	5.9 1046177	FDSN SK	-- BUD	iLoc	EHZ EHZ	_
(Reading ML: 5.9 magdef=1 (Station ML: 5.9 magdef=0 HU08A 2.81 300.0 Pn 17:27:36.554 0.3	T__	15368.1	___ ML	5.2 1046178	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 5.2 magdef=1 (Station ML: 5.2 magdef=1 BADH 2.88 286.0 Pn 17:27:37.226 0.0	T__	9532.9	___ ML	5.1 1046180	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 5.1 magdef=1 (Station ML: 5.1 magdef=1 KOLS 2.90 10.0 Pn 17:27:38.046 0.1	T__		___	1046179	FDSN SK	-- BUD	iLoc	HHZ ???	_
(Reading ML: 5.1 magdef=1 (Station ML: 5.1 magdef=1 A264A 2.94 273.0 Pn 17:27:38.231 0.2	T__	9122.5	___ ML	5.1 1046181	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 5.1 magdef=1 (Station ML: 5.1 magdef=1 MPLH 2.94 293.1 Pn 17:27:38.593 0.5	T__	8251.1	___ ML	5.1 1046182	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 5.1 magdef=1 (Station ML: 5.1 magdef=1 A263A 2.96 282.4 Pn 17:27:38.297 0.0	T__	13935.4	___ ML	5.3 1046183	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 5.3 magdef=1 (Station ML: 5.3 magdef=1 A261A 3.13 287.7 Pn 17:27:41.171 0.5	T__	20451.5	___ ML	5.6 1046184	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 5.6 magdef=1 (Station ML: 5.6 magdef=0 EGYH 3.17 296.4 Pn 17:27:43.051 1.8	T__	11562.8	___ ML	5.3 1046185	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 5.3 magdef=1 (Station ML: 5.3 magdef=1 BEHE 3.31 278.5 Pn 17:27:42.846 -0.4	T__	15440.8	___ ML	5.5 1046186	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 5.5 magdef=1 (Station ML: 5.5 magdef=0 BLY 3.32 247.9 Pn 17:27:43.505 -0.3	T__	5792.4	___ ML	5.1 1046133	FDSN MN	-- BUD	iLoc	HHZ HHZ	_

(Reading ML: 5.1 magdef=1 (Station ML: 5.1 magdef=1 A260A 3.52 291.7 Pn 17:27:46.817 0.7	T__	7772.2	---	ML	5.3	1046187	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 5.3 magdef=1 (Station ML: 5.3 magdef=1 KWP 3.64 12.4 Pn 17:27:49.475 0.8	T__	7437.2	---	ML	5.4	1046188	FDSN	PL	--	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 5.4 magdef=1 (Station ML: 5.4 magdef=0 ZST 3.68 306.7 Pn 17:27:48.626 0.2	T__		---			1046189	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS 3.68 310.0 Pn 17:27:48.442 -0.2	T__		---			1046190	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
SOP 3.75 297.0 Pn 17:27:49.648 0.2	T__	3910.1	---	ML	5.1	1046191	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 5.1 magdef=1 (Station ML: 5.1 magdef=1 JAVC 3.81 318.3 Pn 17:27:50.486 -0.1	T__	4651.5	---	ML	5.2	1046192	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 5.2 magdef=1 (Station ML: 5.2 magdef=1 PTJ 3.87 269.4 Pn 17:27:50.392 -1.1	T__	3628.1	---	ML	5.1	1046134	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_	
(Reading ML: 5.1 magdef=1 (Station ML: 5.1 magdef=1 RONA 3.92 296.2 Pn 17:27:51.870 -0.0	T__		---			1046193	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
CONA 4.28 297.6 Pn 17:27:56.822 -0.2	T__	2316.4	---	ML	5.0	1046195	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 5.0 magdef=1 (Station ML: 5.0 magdef=1 ARSA 4.28 288.0 Pn 17:27:56.878 0.0	T__	2133.7	---	ML	5.0	1046196	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 5.0 magdef=1 (Station ML: 5.0 magdef=1 OJC 4.30 345.2 Pn 17:27:57.480 -0.1	T__	2294.3	---	ML	5.0	1046194	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_	
(Reading ML: 5.0 magdef=1 (Station ML: 5.0 magdef=1 MORC 4.56 325.6 Pn 17:28:01.132 0.2	T__	4464.4	---	ML	5.4	1046197	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 5.4 magdef=1 (Station ML: 5.4 magdef=0 KRUC 4.57 312.6 Pn 17:27:59.991 -0.8	T__	1593.0	---	ML	4.9	1046198	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 4.9 magdef=1 (Station ML: 4.9 magdef=0 VRAC 4.63 316.0 Pn 17:28:01.236 -0.5	T__	1199.5	---	ML	4.8	1046199	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 4.8 magdef=1 (Station ML: 4.8 magdef=0 OBKA 4.84 277.6 Pn 17:28:04.068 -1.0	T__	2163.9	---	ML	5.1	1046200	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 5.1 magdef=1 (Station ML: 5.1 magdef=1 TREC 5.18 310.5 Pn 17:28:08.898 -0.6	T__	135571.4	0.76	---	ML	7.0	1046201	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
TREC 5.18 310.5 00:00:00.000	---	3472794.6	---	---	---	0.0	1046201	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
TREC 5.18 310.5 00:00:00.000	---	2400.9	---	---	---	0.0	1046201	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 7.0 magdef=1 (Station ML: 7.0 magdef=0 CKRC 5.60 301.9 Pn 17:28:14.962 -0.1	T__	290887.9	0.80	---	ML	7.5	1046202	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
CKRC 5.60 301.9 00:00:00.000	---	2759408.2	---	---	---	0.0	1046202	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
CKRC 5.60 301.9 00:00:00.000	---	1985.2	---	---	---	0.0	1046202	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 7.5 magdef=1 (Station ML: 7.5 magdef=0 PRU 6.09 312.4 Pn 17:28:21.153 -1.0	T__	47216.7	0.67	---	ML	6.8	1046203	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
PRU 6.09 312.4 00:00:00.000	---	839701.5	---	---	---	0.0	1046203	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_

PRU 6.09 312.4 00:00:00.000 --- 1564.2 --- 0.0 1046203 FDSN CZ -- BUD iLoc HHZ HHZ \_  
 (Reading ML: 6.8 magdef=1  
 (Station ML: 6.8 magdef=0

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/06	18:04:08.59	0.60	0.63	46.0970	21.5776	4.1	3.2	42	7.2	4.9	46	38	54	0.48	4.65	ke	BUD	19002894	BUD			85

Magnitude	Err	Nsta	Author	OrigID
ML	3.1	0.2	34 BUD	19002894

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
BZS	0.48	176.7	Lg	18:04:25.223	0.2					T__						1046926	FDSN	RO	--	BUD	iLoc	BHN	???	_	
BANR	0.78	203.6	Pn	18:04:24.346	-0.3					T__	8528.4				ML	3.9	1046927	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
				(Reading ML: 3.9 magdef=1 (Station ML: 3.9 magdef=0																					
HU24A	0.86	340.6	Pn	18:04:25.398	-0.3					T__	1234.3				ML	3.1	1046928	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 3.1 magdef=1 (Station ML: 3.1 magdef=1																					
HU06A	0.93	311.7	Pg	18:04:26.887	-0.9					T__	1750.5				ML	3.3	1046929	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.93	311.7	Sn	18:04:39.409	-1.3					T__						1046952	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 3.3 magdef=1 (Station ML: 3.3 magdef=0																					
DEV	0.95	102.5	Pn	18:04:26.861	-0.4					T__	727.4				ML	2.9	1046930	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DEV	0.95	102.5	Sn	18:04:41.184	-0.3					T__						1046953	FDSN	RO	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 2.9 magdef=1 (Station ML: 2.9 magdef=0																					
DRGR	1.05	48.0	Pn	18:04:28.899	0.2					T__	1798.3				ML	3.3	1046932	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	1.05	48.0	Sn	18:04:43.131	-1.3					T__						1046957	FDSN	RO	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 3.3 magdef=1 (Station ML: 3.3 magdef=0																					
GZR	1.10	129.5	Pg	18:04:29.927	0.5					T__	1621.2				ML	3.3	1046933	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.10	129.5	Sn	18:04:44.823	-0.7					T__						1046954	FDSN	RO	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 3.3 magdef=1 (Station ML: 3.3 magdef=0																					
HU14A	1.10	289.2	Pg	18:04:30.282	-0.3					T__	1372.6				ML	3.2	1046931	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 3.2 magdef=1 (Station ML: 3.2 magdef=1																					
HU12A	1.20	334.8	Pn	18:04:30.893	0.5					T__	669.9				ML	3.0	1046934	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU12A	1.20	334.8	Sn	18:04:47.144	-0.2					T__						1046955	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 3.0 magdef=1 (Station ML: 3.0 magdef=1																					
HU21A	1.31	281.1	Pn	18:04:31.844	0.1					T__	546.0				ML	3.0	1046935	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 3.0 magdef=1 (Station ML: 3.0 magdef=1																					
LTVH	1.31	9.7	Pn	18:04:32.730	0.8					T__	829.0				ML	3.1	1046936	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
LTVH	1.31	9.7	Sn	18:04:50.385	0.4					T__						1046925	FDSN	HU	--	BUD	iLoc	HHE	???	_	
				(Reading ML: 3.1 magdef=1 (Station ML: 3.1 magdef=1																					
BSZH	1.50	323.6	Sn	18:04:54.338	-0.2					T__						1046958	FDSN	HU	--	BUD	iLoc	HHN	???	_	
FRGS	1.56	233.5	Pn	18:04:35.731	0.3					T__	774.7				ML	3.3	1046937	FDSN	SJ	--	BUD	iLoc	BHZ	BHZ	_
				(Reading ML: 3.3 magdef=1 (Station ML: 3.3 magdef=1																					

HU04B	1.64	296.6	Pn	18:04:36.206	-0.3	T__	518.0	___	ML	3.1	1046938	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.1 magdef=1																		
	(Station ML: 3.1 magdef=1																		
HU22A	1.71	278.6	Pn	18:04:37.574	0.1	T__	481.7	___	ML	3.1	1046939	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.1 magdef=1																		
	(Station ML: 3.1 magdef=1																		
HU07A	1.90	6.8	Pg	18:04:44.700	-0.9	T__	381.8	___	ML	3.1	1046956	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.1 magdef=1																		
	(Station ML: 3.1 magdef=1																		
MORH	2.04	274.4	Pn	18:04:41.462	-0.6	T__	120.8	___	ML	2.7	1046940	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 2.7 magdef=1																		
	(Station ML: 2.7 magdef=0																		
ET1H	2.13	327.4	Pn	18:04:43.013	-0.5	T__	180.1	___	ML	2.9	1046941	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 2.9 magdef=1																		
	(Station ML: 2.9 magdef=1																		
TRPA	2.14	17.5	Pn	18:04:43.648	-0.1	T__	155.5	___	ML	2.9	1046944	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 2.9 magdef=1																		
	(Station ML: 2.9 magdef=0																		
HU02A	2.15	340.8	Pn	18:04:43.547	-0.3	T__	110.0	___	ML	2.7	1046943	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 2.7 magdef=1																		
	(Station ML: 2.7 magdef=0																		
PSZ	2.16	328.3	Pn	18:04:43.484	-0.5	T__	225.0	___	ML	3.1	1046942	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.1 magdef=1																		
	(Station ML: 3.1 magdef=1																		
ABAH	2.21	354.1	Pn	18:04:44.431	-0.1	T__	111.7	___	ML	2.8	1046946	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 2.8 magdef=1																		
	(Station ML: 2.8 magdef=0																		
BUD	2.24	309.3	Pn	18:04:44.560	-0.3	T__	177.2	___	ML	3.0	1046945	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.0 magdef=1																		
	(Station ML: 3.0 magdef=1																		
CP17A	2.24	341.5	Pn	18:04:45.057	0.2	T__	321.0	___	ML	3.3	1046960	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	2.24	341.5	Sn	18:05:11.420	-0.6	T__		___			1046959	FDSN	Z6	00	BUD	iLoc	HHN	???	_
	(Reading ML: 3.3 magdef=1																		
	(Station ML: 3.3 magdef=1																		
HU03A	2.26	323.9	Pn	18:04:45.256	0.1	T__	225.3	___	ML	3.1	1046947	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.1 magdef=1																		
	(Station ML: 3.1 magdef=1																		
CP16A	2.35	342.9	Pn	18:04:46.860	0.4	T__	195.0	___	ML	3.1	1046961	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	2.35	342.9	Sn	18:05:14.366	-0.3	T__		___			1046962	FDSN	Z6	00	BUD	iLoc	HHN	???	_
	(Reading ML: 3.1 magdef=1																		
	(Station ML: 3.1 magdef=1																		
KECS	2.50	343.1	Pn	18:04:49.317	0.7	T__	126.2	___	ML	3.0	1046963	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
	(Reading ML: 3.0 magdef=1																		
	(Station ML: 3.0 magdef=1																		
JOS	2.50	344.0	Pn	18:04:49.067	0.4	T__	63.5	___	ML	2.7	1046948	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 2.7 magdef=1																		
	(Station ML: 2.7 magdef=0																		
HU09A	2.68	306.3	Pn	18:04:51.299	0.3	T__	160.3	___	ML	3.2	1046949	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.2 magdef=1																		
	(Station ML: 3.2 magdef=1																		
KOLS	2.88	9.2	Pn	18:04:55.157	0.9	T__		___			1046950	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MPLH	2.98	292.6	Pn	18:04:55.375	0.1	T__	55.4	___	ML	2.9	1046951	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 2.9 magdef=1																		

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(Station ML: 2.9 magdef=1
EGYH 3.20 295.9 Pn 18:04:59.810 1.4 T__ 91.7 ___ ML 3.2 1046964 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 3.2 magdef=1
(Station ML: 3.2 magdef=1
MODS 3.71 309.4 Pn 18:05:05.193 -0.4 T__ ___ 1046965 FDSN SK -- BUD iLoc HHZ ??? _
JAVC 3.83 317.6 Pn 18:05:09.223 1.7 T__ 48.2 ___ ML 3.2 1046966 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 3.2 magdef=1
(Station ML: 3.2 magdef=1
OJC 4.29 344.5 Pn 18:05:14.620 0.4 T__ 47.0 ___ ML 3.3 1046967 FDSN PL -- BUD iLoc BHZ BHZ _
(Reading ML: 3.3 magdef=1
(Station ML: 3.3 magdef=0
ARSA 4.32 287.7 Pn 18:05:13.648 -0.4 T__ 28.2 ___ ML 3.1 1046968 FDSN OE -- BUD iLoc HHZ HHZ _
(Reading ML: 3.1 magdef=1
(Station ML: 3.1 magdef=1
MORC 4.57 325.1 Pn 18:05:18.210 0.4 T__ 41.5 ___ ML 3.4 1046969 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 3.4 magdef=1
(Station ML: 3.4 magdef=0
VRAC 4.65 315.5 Pn 18:05:18.394 -0.3 T__ 15.6 ___ ML 3.0 1046970 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 3.0 magdef=1
(Station ML: 3.0 magdef=1

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/06	18:44:22.63	1.64	2.49	46.0751	21.5319	17.1	11.0	78	15.0f		7	5	109	0.46	1.52	ke	BUD	19002896	BUD			174

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BZS	0.46	172.6	Pg	18:44:31.794	-0.2					T__		94.3		_c_	ML	1.6	1047061	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.46	172.6	Lg	18:44:38.373	-0.2					T__				---		1047062	FDSN	RO	--	BUD	iLoc	HNN	???	_	
HU24A	0.87	343.0	Pn	18:44:39.102	0.0					T__		113.1		---	ML	2.0	1047064	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU24A	0.87	343.0	Sn	18:44:52.345	0.4					T__				---		1047063	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
DRGR	1.09	48.3	Sn	18:44:55.469	-2.4					T__				---		1047065	FDSN	RO	--	BUD	iLoc	HNN	???	_	
GZR	1.11	127.6	Lg	18:44:59.484	0.9					T__				---		1047066	FDSN	RO	--	BUD	iLoc	HNN	???	_	
FRGS	1.52	233.4	Sn	18:45:12.220	4.2					T__				---		1047067	FDSN	SJ	--	BUD	iLoc	BHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/06	20:05:50.17	2.29	1.95	46.0749	21.6667	17.6	10.3	142	15.0f		7	5	196	0.46	1.60	ke	BUD	19002898	BUD			263

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BZS	0.46	184.4	Pg	20:05:58.760	-0.7					T__		27.0		_c_	ML	1.0	1047087	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.46	184.4	Lg	20:06:05.509	-0.6					T__				---		1047088	FDSN	RO	--	BUD	iLoc	HNN	???	_	
BANR	0.79	208.4	Lg	20:06:18.176	1.7					T__				---		1047093	FDSN	RO	--	BUD	iLoc	HHE	???	_	



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DRGR 1.02 44.8 Pn      20:06:09.440  0.4      T__      29.4      ___ ML      1.5 1047089  FDSN RO      -- BUD  iLoc  HHZ HHZ  _
DRGR 1.02 44.8 Sn      20:06:23.450 -0.4      T__      ___      ___      1047090  FDSN RO      -- BUD  iLoc  HHN ???  _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
GZR 1.03 130.9 Lg      20:06:25.199  1.3      T__      ___      ___      1047091  FDSN RO      -- BUD  iLoc  HHN ???  _
LOT 1.60 112.3 Sn      20:06:41.416  3.1      T__      ___      ___      1047092  FDSN RO      -- BUD  iLoc  HHN ???  _

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Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author      OrigID  Rep  DPdep  Err Sgp
2023/06/06 20:56:14.96  3.54  0.93  46.1197  21.5685  21.7  9.8  5  0.9  23.8  9  6 134  0.50  1.68  ke BUD      19002900  BUD      233

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Magnitude Err Nsta Author      OrigID
ML      1.9 0.3  3 BUD      19002900

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Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
BZS  0.50 176.2 Pg      20:56:25.017  0.2      T__      101.0  _c_ ML      1.7 1047116  FDSN RO      -- BUD  iLoc  HHZ HHZ  _
BZS  0.50 176.2 Lg      20:56:31.618 -0.4      T__      ___      ___      1047117  FDSN RO      -- BUD  iLoc  HHN ???  _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
HU06A 0.91 310.9 Lg      20:56:46.288 -0.2      T__      ___      ___      1047118  FDSN Z6      00 BUD  iLoc  HHN ???  _
DRGR 1.04 49.2 Pn      20:56:35.791  0.1      T__      98.8  ___ ML      2.1 1047120  FDSN RO      -- BUD  iLoc  HHZ HHZ  _
DRGR 1.04 49.2 Lg      20:56:49.247 -1.1      T__      ___      ___      1047119  FDSN RO      -- BUD  iLoc  HHN ???  _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
GZR 1.12 130.2 Lg      20:56:51.462 -0.3      T__      ___      ___      1047121  FDSN RO      -- BUD  iLoc  HHN ???  _
CJR 1.52 66.3 Lg      20:57:05.663  0.4      T__      ___      ___      1047122  FDSN RO      -- BUD  iLoc  HHN ???  _
LOT 1.68 112.8 Pn      20:56:46.586  1.4      T__      27.6  ___ ML      1.9 1047124  FDSN RO      -- BUD  iLoc  HHZ HHZ  _
LOT 1.68 112.8 Sn      20:57:08.729  0.9      T__      ___      ___      1047123  FDSN RO      -- BUD  iLoc  HHN ???  _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1

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Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author      OrigID  Rep  DPdep  Err Sgp
2023/06/07 00:56:48.06  0.90  1.10  46.1180  21.5941  7.2  4.9  38 10.0f  21  16 99  0.50  2.03  ke BUD      19002904  BUD      147

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Magnitude Err Nsta Author      OrigID
ML      2.3 0.2  5 BUD      19002904

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Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
BZS  0.50 178.2 Pg      00:56:57.847 -0.2      T__      236.9  _c_ ML      2.1 1048894  FDSN RO      -- BUD  iLoc  HHZ HHZ  _
BZS  0.50 178.2 Lg      00:57:04.490 -0.6      T__      ___      ___      1048895  FDSN RO      -- BUD  iLoc  HHN ???  _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=0
HU24A 0.85 339.4 Lg      00:57:16.674  0.1      T__      ___      ___      1048904  FDSN Z6      00 BUD  iLoc  HHN ???  _
HU06A 0.93 310.3 Lg      00:57:18.769 -0.2      T__      ___      ___      1048905  FDSN Z6      00 BUD  iLoc  HHN ???  _
DEV  0.94 104.0 Lg      00:57:19.040  0.6      T__      ___      ___      1048906  FDSN RO      -- BUD  iLoc  HHN ???  _
DRGR 1.02 48.5 Pn      00:57:08.438  1.0      T__      182.2  ___ ML      2.3 1048897  FDSN RO      -- BUD  iLoc  HHZ HHZ  _
DRGR 1.02 48.5 Lg      00:57:21.383 -0.5      T__      ___      ___      1048907  FDSN RO      -- BUD  iLoc  HHN ???  _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=1
GZR 1.10 130.8 Lg      00:57:24.163  0.5      T__      ___      ___      1048896  FDSN RO      -- BUD  iLoc  HHN ???  _
HU14A 1.10 288.0 Pg      00:57:09.557 -0.5      T__      227.0  ___ ML      2.5 1048909  FDSN Z6      00 BUD  iLoc  HHZ HHZ  _

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HU14A	1.10	288.0	Sn	00:57:23.525	-0.2	T__	---	1048908	FDSN	Z6	00	BUD	iLoc	HHN	???	_				
(Reading ML: 2.5 magdef=1)																				
(Station ML: 2.5 magdef=1)																				
HU12A	1.19	333.9	Sn	00:57:27.349	1.5	T__	---	1048898	FDSN	Z6	00	BUD	iLoc	HHN	???	_				
LTVH	1.28	9.3	Sn	00:57:29.844	1.5	T__	---	1048900	FDSN	HU	--	BUD	iLoc	HHN	???	_				
HU21A	1.31	280.1	Sn	00:57:29.440	0.6	T__	---	1048899	FDSN	Z6	00	BUD	iLoc	HHN	???	_				
CJR	1.51	66.0	Pg	00:57:17.081	-0.2	T__	---	145.5	---	ML	2.5	1048902	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
CJR	1.51	66.0	Lg	00:57:37.351	0.5	T__	---	1048901	FDSN	RO	--	BUD	iLoc	HHN	???	_				
(Reading ML: 2.5 magdef=1)																				
(Station ML: 2.5 magdef=0)																				
LOT	1.66	113.0	Pg	00:57:19.295	-0.4	T__	---	45.5	---	ML	2.1	1048903	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
LOT	1.66	113.0	Lg	00:57:41.183	-0.7	T__	---	1048910	FDSN	RO	--	BUD	iLoc	HHN	???	_				
(Reading ML: 2.1 magdef=1)																				
(Station ML: 2.1 magdef=1)																				
HU22A	1.72	277.9	Sn	00:57:41.779	3.0	T__	---	1048911	FDSN	Z6	00	BUD	iLoc	HHN	???	_				
HU23A	1.78	329.3	Lg	00:57:47.364	1.2	T__	---	1048912	FDSN	Z6	00	BUD	iLoc	HHN	???	_				
HU01A	1.83	312.8	Lg	00:57:48.621	0.3	T__	---	1048913	FDSN	Z6	00	BUD	iLoc	HHN	???	_				
BMR	2.03	39.3	Lg	00:57:51.440	-1.7	T__	---	1048914	FDSN	RO	--	BUD	iLoc	HHN	???	_				

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/07	03:15:39.34	2.07	0.74	46.0981	21.5579	31.3	12.8	94	15.0f		6	4	137	0.48	1.11	ke	BUD	19002906	BUD			233

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
BZS	0.48	175.1	Pg	03:15:49.040	-0.0					T__		25.0		---	ML	1.0	1048940	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_	
BZS	0.48	175.1	Lg	03:15:55.955	0.0					T__				---		1048941	FDSN	RO	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.0 magdef=1)																										
(Station ML: 1.0 magdef=1)																										
HU06A	0.92	312.2	Sn	03:16:09.874	0.2					T__				---		1048942	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
DRGR	1.06	48.6	Pn	03:15:58.904	0.2					T__		33.1		---	ML	1.6	1048944	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_	
DRGR	1.06	48.6	Sn	03:16:13.040	-0.9					T__				---		1048943	FDSN	RO	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.6 magdef=1)																										
(Station ML: 1.6 magdef=1)																										
GZR	1.11	129.1	Sn	03:16:15.989	0.9					T__				---		1048945	FDSN	RO	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/07	05:57:56.78	1.33	0.73	46.0890	21.5116	8.1	5.8	8	4.9	15.5	45	35	45	0.48	3.53	ke	BUD	19002908	BUD			72

Magnitude Err Nsta Author OrigID  
ML 2.9 0.2 26 BUD 19002908

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
BZS	0.48	171.1	Pg	05:58:06.518	0.3					T__		849.2		---	ML	2.6	1049241	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
BZS	0.48	171.1	Lg	05:58:13.691	0.6					T__				---		1049258	FDSN	RO	--	BUD	iLoc	BHN	???	_		
(Reading ML: 2.6 magdef=1)																										
(Station ML: 2.6 magdef=0)																										
BANR	0.75	200.6	Pn	05:58:13.339	0.5					T__		9526.2		---	ML	3.9	1049243	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_	
BANR	0.75	200.6	Sn	05:58:24.608	-0.7					T__				---		1049266	FDSN	RO	--	BUD	iLoc	HHN	???	_		
(Reading ML: 3.9 magdef=1)																										

(Station ML: 3.9 magdef=0 HU24A 0.86 343.6 Pn 05:58:14.244 0.2 (Reading ML: 2.9 magdef=1 (Station ML: 2.9 magdef=1	T__	869.3	___ ML	2.9 1049242	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
DRGR 1.09 49.3 Pn 05:58:17.507 -0.2 DRGR 1.09 49.3 Lg 05:58:30.901 -2.3 (Reading ML: 3.1 magdef=1 (Station ML: 3.1 magdef=1	T__ T__	898.1	___ ML ---	3.1 1049244 1049267	FDSN RO FDSN RO	-- BUD -- BUD	iLoc	BHZ BHZ BHN ???	_
GZR 1.13 127.7 Pg 05:58:18.326 0.1 GZR 1.13 127.7 Lg 05:58:33.044 -0.9 (Reading ML: 2.9 magdef=1 (Station ML: 2.9 magdef=1	T__ T__	657.5	___ ML ---	2.9 1049246 1049268	FDSN RO FDSN RO	-- BUD -- BUD	iLoc	BHZ BHZ BHN ???	_
HU12A 1.19 336.9 Pn 05:58:19.572 0.8 (Reading ML: 3.0 magdef=1 (Station ML: 3.0 magdef=1	T__	715.7	___ ML	3.0 1049259	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
HU21A 1.26 281.8 Pn 05:58:20.432 0.8 (Reading ML: 2.8 magdef=1 (Station ML: 2.8 magdef=1	T__	363.9	___ ML	2.8 1049245	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
LTVH 1.32 11.5 Pn 05:58:21.352 0.7 LTVH 1.32 11.5 Sn 05:58:39.188 0.1 (Reading ML: 3.0 magdef=1 (Station ML: 3.0 magdef=1	T__ T__	623.2	___ ML ---	3.0 1049260 1049269	FDSN HU FDSN HU	-- BUD -- BUD	iLoc	HHZ HHZ HHN ???	_
HU05A 1.49 350.2 Pn 05:58:22.210 -0.6 (Reading ML: 2.7 magdef=1 (Station ML: 2.7 magdef=1	T__	264.5	___ ML	2.7 1049261	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
FRGS 1.51 232.7 Pn 05:58:24.138 0.8 FRGS 1.51 232.7 Lg 05:58:46.652 -1.3 (Reading ML: 2.8 magdef=1 (Station ML: 2.8 magdef=1	T__ T__	310.7	___ ML ---	2.8 1049247 1049270	FDSN SJ FDSN SJ	-- BUD -- BUD	iLoc	BHZ BHZ BHN ???	_
CJR 1.57 65.9 Pn 05:58:26.305 1.7 CJR 1.57 65.9 Sn 05:58:46.506 0.7 (Reading ML: 3.3 magdef=1 (Station ML: 3.3 magdef=0	T__ T__	789.8	___ ML ---	3.3 1049248 1049262	FDSN RO FDSN RO	-- BUD -- BUD	iLoc	BHZ BHZ BHN ???	_
HU04B 1.61 297.6 Pn 05:58:24.732 0.3 HU04B 1.61 297.6 Lg 05:58:49.798 -0.8 (Reading ML: 2.9 magdef=1 (Station ML: 2.9 magdef=1	T__ T__	319.6	___ ML ---	2.9 1049263 1049271	FDSN Z6 FDSN Z6	00 BUD 00 BUD	iLoc	HHZ HHZ HHN ???	_
LOT 1.71 111.3 Sn 05:58:49.819 0.4 HU23A 1.78 331.3 Sn 05:58:49.694 0.1 HU11A 1.85 352.8 Pn 05:58:28.626 0.7 (Reading ML: 3.3 magdef=1 (Station ML: 3.3 magdef=0	T__ T__ T__	562.1	___ ML ---	1049272 1049264 3.3 1049249	FDSN RO FDSN Z6 FDSN Z6	-- BUD 00 BUD 00 BUD	iLoc	HHN ??? HHN ??? HHZ HHZ	_
HU07A 1.91 8.1 Pn 05:58:29.249 0.4 (Reading ML: 3.0 magdef=1 (Station ML: 3.0 magdef=1	T__	293.8	___ ML	3.0 1049250	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
MORH 2.00 274.6 Pn 05:58:30.072 0.2 MORH 2.00 274.6 Pg 05:58:35.080 -0.2 (Reading ML: 2.5 magdef=1 (Station ML: 2.5 magdef=0	T__ T__	70.3	___ ML ---	2.5 1049251 1049273	FDSN HU FDSN HU	-- BUD -- BUD	iLoc	HHZ HHZ HHZ ???	_
ET1H 2.11 328.5 Pn 05:58:31.713 0.0 (Reading ML: 2.5 magdef=1 (Station ML: 2.5 magdef=0	T__	65.9	___ ML	2.5 1049252	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
A271A 2.13 301.0 Lg 05:59:07.642 -0.2	T__		---	1049265	FDSN Z6	00 BUD	iLoc	HHN ???	_

PSZ	2.14	329.4	Pn	05:58:32.110	-0.1	T__	154.7	___	ML	2.9	1049240	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.9 magdef=1)																			
(Station ML: 2.9 magdef=1)																			
HU02A	2.14	342.0	Pn	05:58:32.164	-0.0	T__	54.5	___	ML	2.4	1049253	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.4 magdef=1)																			
(Station ML: 2.4 magdef=0)																			
TRPA	2.16	18.6	Pn	05:58:32.283	-0.2	T__	82.7	___	ML	2.6	1049254	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.6 magdef=1)																			
(Station ML: 2.6 magdef=1)																			
ABAH	2.22	355.3	Pn	05:58:33.007	-0.0	T__	73.9	___	ML	2.6	1049256	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.6 magdef=1)																			
(Station ML: 2.6 magdef=1)																			
CP17A	2.24	342.6	Pn	05:58:33.722	0.5	T__	176.9	___	ML	3.0	1049275	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.0 magdef=1)																			
(Station ML: 3.0 magdef=1)																			
HU03A	2.24	324.9	Pn	05:58:33.823	0.5	T__	222.5	___	ML	3.1	1049255	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.1 magdef=1)																			
(Station ML: 3.1 magdef=0)																			
A267A	2.26	293.4	Lg	05:59:11.593	-0.6	T__		---			1049276	FDSN	Z6	00	BUD	iLoc	HHN	???	_
A266A	2.29	282.1	Lg	05:59:11.648	-1.1	T__		---			1049274	FDSN	Z6	00	BUD	iLoc	HHN	???	_
CP16A	2.35	344.0	Pn	05:58:35.549	0.7	T__	183.7	---	ML	3.1	1049277	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.1 magdef=1)																			
(Station ML: 3.1 magdef=0)																			
KOVH	2.37	271.2	Pg	05:58:42.294	0.1	T__	49.9	---	ML	2.5	1049278	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	2.37	271.2	Lg	05:59:15.273	0.5	T__		---			1049279	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.5 magdef=1)																			
(Station ML: 2.5 magdef=0)																			
KECS	2.50	344.1	Pn	05:58:37.928	0.9	T__	108.5	---	ML	2.9	1049280	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Reading ML: 2.9 magdef=1)																			
(Station ML: 2.9 magdef=1)																			
JOS	2.50	345.0	Pn	05:58:37.767	0.8	T__	62.3	---	ML	2.7	1049257	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.7 magdef=1)																			
(Station ML: 2.7 magdef=1)																			
BBL5	2.68	214.7	Sn	05:59:12.191	-0.3	T__		---			1049281	FDSN	SJ	--	BUD	iLoc	BHN	???	_
HU08A	2.81	299.9	Sn	05:59:14.290	-0.9	T__		---			1049282	FDSN	Z6	00	BUD	iLoc	HHN	???	_
MPLH	2.94	293.0	Lg	05:59:34.083	-0.0	T__		---			1049283	FDSN	HU	--	BUD	iLoc	HHN	???	_
A262A	3.53	284.5	Sn	05:59:32.784	0.3	T__		---			1049284	FDSN	Z6	00	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/07	06:27:36.37	1.14	1.17	46.0900	21.6663	10.9	7.7	106	15.0f		14	9	71	0.47	1.61	ke	BUD	19002910	BUD			119

Magnitude	Err	Nsta	Author	OrigID
ML	2.6	0.1	5 BUD	19002910

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
BZS	0.47	184.2	Pg	06:27:45.574	-0.4					T__		260.6		_c_	ML	2.0	1049367	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.47	184.2	Lg	06:27:52.260	-0.5					T__				---		1049368	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=0)																									
BANR	0.80	207.9	Lg	06:28:04.162	1.1					T__				---		1049369	FDSN	RO	--	BUD	iLoc	HHN	???	_	
HU24A	0.89	337.0	Pn	06:27:52.909	-0.2					T__	335.5			---	ML	2.5	1049371	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU24A	0.89	337.0	Sn	06:28:03.640	-2.6					T__				---		1049370	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

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(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=1
HU06A 0.98 309.7 Pn 06:27:54.144 -0.2 T__ 383.0 ___ ML 2.6 1049372 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.98 309.7 Sn 06:28:07.303 -1.0 T__ ___ 1049373 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.6 magdef=1
(Station ML: 2.6 magdef=1
DRGR 1.01 45.5 Pn 06:27:56.572 1.5 T__ 332.9 ___ ML 2.6 1049375 FDSN RO -- BUD iLoc HHZ HHZ _
DRGR 1.01 45.5 Sn 06:28:09.347 -0.5 T__ ___ 1049374 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 2.6 magdef=1
(Station ML: 2.6 magdef=1
HU14A 1.16 288.6 Pn 06:27:57.466 0.7 T__ 363.3 ___ ML 2.7 1049376 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU14A 1.16 288.6 Sn 06:28:11.987 -0.6 T__ ___ 1049377 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.7 magdef=1
(Station ML: 2.7 magdef=0
CJR 1.48 64.3 Lg 06:28:25.457 0.8 T__ ___ 1049378 FDSN RO -- BUD iLoc HHN ??? _
FRGS 1.60 235.1 Sn 06:28:25.054 1.2 T__ ___ 1049379 FDSN SJ -- BUD iLoc BHN ??? _
LOT 1.61 112.8 Lg 06:28:30.084 0.7 T__ ___ 1049380 FDSN RO -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/06/07 06:37:33.43 3.31 1.24 48.0188 16.1253 23.4 5.7 18 0.0f 5 3 277 0.20 0.87 sx BUD 19002912 BUD 325

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
CONA 0.20 243.0 Pg 06:37:37.814 0.2 T__ 155.2 ___ ML 1.0 1049403 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.20 243.0 Lg 06:37:39.730 -0.8 T__ ___ 1049404 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=0
RONA 0.34 160.1 Pg 06:37:40.794 0.4 T__ ___ 1049405 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.34 160.1 Lg 06:37:44.073 -1.1 T__ ___ 1049406 FDSN OE -- BUD iLoc HHN ??? _
ARSA 0.87 208.1 Lg 06:38:02.197 1.0 T__ ___ 1049407 FDSN OE -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/06/07 07:17:28.21 0.99 1.42 48.4819 21.7444 7.6 4.0 157 0.0f 12 8 126 0.38 1.39 sx BUD 19002914 BUD 211

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Magnitude Err Nsta Author OrigID  
ML 1.6 0.1 3 BUD 19002914

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
ABAH 0.38 241.3 Pg 07:17:37.494 1.3 T__ 68.9 ___ ML 1.2 1049451 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.38 241.3 Lg 07:17:41.497 -1.4 T__ ___ 1049453 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
KOLS 0.57 37.6 Pg 07:17:39.737 0.4 T__ ___ 1049455 FDSN SK -- BUD iLoc HHZ ??? _
KOLS 0.57 37.6 Lg 07:17:48.849 0.1 T__ ___ 1049454 FDSN SK -- BUD iLoc HHN ??? _
TRPA 0.64 123.2 Pg 07:17:40.479 -0.3 T__ 54.7 ___ ML 1.6 1049456 FDSN HU -- BUD iLoc HHZ HHZ _
TRPA 0.64 123.2 Lg 07:17:52.743 1.1 T__ ___ 1049457 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
JOS 0.80 271.4 Lg 07:17:54.628 -1.5 T__ ___ 1049458 FDSN Z6 -- BUD iLoc HHN ??? _

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KECS	0.84	270.6	Lg	07:17:55.468	-1.9					T__					1049459	FDSN	SK	--	BUD	iLoc	EHN	???	_
HU02A	0.89	246.6	Pg	07:17:46.884	0.3					T__	43.7				1049450	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.89	246.6	Lg	07:17:57.913	-2.4					T__					1049460	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1)																							
(Station ML: 1.6 magdef=1)																							
PSZ	1.36	246.2	Sn	07:18:13.092	-0.7					T__					1049461	FDSN	GE	--	BUD	iLoc	HHN	???	_
ET1H	1.39	245.0	Sn	07:18:13.328	-0.7					T__					1049452	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/07	07:23:38.10	1.15	1.09	48.5357	19.3605	5.5	5.0	143	0.0f		13	10	107	0.65	1.27	sx	BUD	19002916	BUD			196

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.2	3 BUD	19002916

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
HU03A	0.65	165.7	Lg	07:24:02.256	0.7					T__						1049498	FDSN	Z6	00	BUD	iLoc	HHN	???	_
PSZ	0.71	149.8	Pg	07:23:54.059	0.8					T__	45.0					1049495	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.71	149.8	Lg	07:24:03.470	-0.7					T__						1049494	FDSN	GE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.5 magdef=1)																								
(Station ML: 1.5 magdef=1)																								
HU10A	0.73	198.4	Lg	07:24:04.343	-0.3					T__						1049499	FDSN	Z6	00	BUD	iLoc	HHN	???	_
ET1H	0.74	152.3	Lg	07:24:03.875	-0.8					T__						1049497	FDSN	HU	--	BUD	iLoc	HHN	???	_
KECS	0.75	93.6	Lg	07:24:03.779	-0.5					T__						1049492	FDSN	SK	--	BUD	iLoc	EHN	???	_
JOS	0.78	92.5	Lg	07:24:04.801	-0.7					T__						1049493	FDSN	Z6	--	BUD	iLoc	HHN	???	_
HU02A	0.88	117.6	Pg	07:23:55.837	-0.4					T__	49.7					1049490	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.88	117.6	Lg	07:24:07.824	-2.0					T__						1049491	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1)																								
(Station ML: 1.7 magdef=1)																								
NIE	1.08	34.7	Lg	07:24:14.753	0.6					T__						1049500	FDSN	PL	--	BUD	iLoc	BHN	???	_
JAVC	1.17	286.8	Lg	07:24:17.999	-1.3					T__						1049501	FDSN	CZ	--	BUD	iLoc	HHN	???	_
ABAH	1.27	100.1	Pg	07:24:04.535	1.5					T__	46.3					1049496	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	1.27	100.1	Sn	07:24:21.696	0.8					T__						1049502	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1)																								
(Station ML: 1.9 magdef=1)																								

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/07	07:29:37.16	1.65	0.62	48.0658	20.6735	10.3	5.3	142	0.0f		8	6	192	0.11	0.57	sx	BUD	19002918	BUD			262
2023/06/07	07:29:36.82	0.97	0.64	48.0471	20.6805f				0.0f		8	6	196	0.13	0.57	kx	BUD_GT	19002919	BUD_GT			264

(locality: Miskolc-Mexikóvölgy Hungary)

(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
HU02A	0.13	305.8	Pg	07:29:40.137	0.1					T__		342.4				1049525	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.13	305.8	Lg	07:29:41.798	-1.0					T__						1049531	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.2 magdef=1)																								
(Station ML: 1.2 magdef=0)																								
ABAH	0.45	56.1	Lg	07:29:53.287	-0.6					T__						1049530	FDSN	HU	--	BUD	iLoc	HHN	???	_
KECS	0.46	343.5	Pg	07:29:46.648	0.5					T__	110.9					1049527	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_

KECS 0.46 343.5 Lg 07:29:52.759 -0.4 T\_\_ --- 1049526 FDSN SK -- BUD iLoc EHN ??? \_  
 (Reading ML: 1.6 magdef=1  
 (Station ML: 1.6 magdef=0  
 JOS 0.46 348.2 Lg 07:29:52.680 -0.6 T\_\_ --- 1049528 FDSN Z6 -- BUD iLoc HHN ??? \_  
 PSZ 0.54 256.6 Lg 07:29:57.916 0.7 T\_\_ --- 1049529 FDSN GE -- BUD iLoc HHN ??? \_  
 ET1H 0.57 253.1 Lg 07:29:58.049 0.4 T\_\_ --- 1049532 FDSN HU -- BUD iLoc HHN ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/07	08:15:25.58	1.28	0.33	47.3338	18.2087	12.4	9.3	170	0.0f		4	3	246	0.05	0.33	sx	BUD	19002920	BUD			330
2023/06/07	08:15:23.24	1.06	0.80	47.2302	18.2835f				0.0f		4	3	300	0.13	0.41	kx	BUD_GT	19002921	BUD_GT			343

(locality: Iszkaszentgyörgy Hungary)  
 (GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.13	353.3	Pg	08:15:27.083	0.5					T__		346.5		---	ML	1.2	1049557	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.13	353.3	Lg	08:15:29.254	-0.4					T__				---		1049558	FDSN	HU	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.2 magdef=1  
 (Station ML: 1.2 magdef=0  
 HU08A 0.32 309.6 Lg 08:15:34.781 -1.0 T\_\_ --- 1049559 FDSN Z6 00 BUD iLoc HHN ??? \_  
 HU09A 0.41 9.3 Lg 08:15:38.605 -0.7 T\_\_ --- 1049560 FDSN Z6 00 BUD iLoc HHN ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/07	08:20:13.68	1.12	1.08	46.0832	22.9140	12.2	4.7	86	0.0f		7	5	147	0.20	1.02	sx	BUD	19002922	BUD			253

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DEV	0.20	182.1	Lg	08:20:20.397	0.1					T__				---		1049581	FDSN	RO	--	BUD	iLoc	HHN	???	_	
GZR	0.70	188.0	Pg	08:20:26.955	-0.1					T__		59.8		---	ML	1.7	1049583	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	0.70	188.0	Lg	08:20:36.153	-0.8					T__				---		1049582	FDSN	RO	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.7 magdef=1  
 (Station ML: 1.7 magdef=1  
 DRGR 0.72 348.9 Pg 08:20:28.658 0.4 T\_\_ --- 33.3 --- ML 1.4 1049579 FDSN RO -- BUD iLoc HHZ HHZ \_  
 DRGR 0.72 348.9 Lg 08:20:38.112 -1.8 T\_\_ --- 1049580 FDSN RO -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.4 magdef=1  
 (Station ML: 1.4 magdef=1  
 LOT 0.87 136.4 Lg 08:20:43.818 0.6 T\_\_ --- 1049585 FDSN RO -- BUD iLoc HHN ??? \_  
 BZS 1.02 243.2 Lg 08:20:48.332 0.5 T\_\_ --- 1049584 FDSN RO -- BUD iLoc HHN ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/07	09:06:58.58	2.14	0.49	48.5763	20.8235	13.9	6.1	17	0.0f		11	7	223	0.21	1.23	sx	BUD	19002924	BUD			247

Magnitude Err Nsta Author OrigID  
 ML 1.2 0.1 4 BUD 19002924

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.21	247.0	Pg	09:07:03.023	0.1					T__		174.9		---	ML	1.1	1049614	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_

JOS	0.21	247.0	Lg	09:07:06.643	0.4	T__									1049613	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																								
(Station ML: 1.1 magdef=1)																								
KECS	0.24	247.6	Pg	09:07:03.406	-0.2	T__				778.7		---	ML	1.9	1049611	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_	
KECS	0.24	247.6	Lg	09:07:07.579	0.0	T__									1049612	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.9 magdef=1)																								
(Station ML: 1.9 magdef=1)																								
ABAH	0.39	135.2	Lg	09:07:13.210	-0.4	T__									1049619	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU02A	0.50	203.8	Pg	09:07:09.687	0.6	T__				27.6			---	ML	1.1	1049615	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.50	203.8	Lg	09:07:16.288	-0.8	T__									1049616	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																								
(Station ML: 1.1 magdef=1)																								
PSZ	0.91	223.7	Lg	09:07:31.000	-0.2	T__									1049617	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	0.94	222.7	Pn	09:07:18.266	0.3	T__				18.1			---	ML	1.3	1049620	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.94	222.7	Lg	09:07:31.469	-0.6	T__									1049618	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																								
(Station ML: 1.3 magdef=1)																								
TRPA	1.23	110.7	Sn	09:07:40.817	0.1	T__									1049621	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/07	09:38:09.54	3.57	0.85	45.5278	17.8093	24.7	13.1	5	0.0f		10	6	247	0.60	1.34	sx	BUD	19002926	BUD			282

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.7	4 BUD	19002926

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOVH	0.60	19.8	Pg	09:38:22.148	0.1					T__		30.1		---	ML	1.3	1049650	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.60	19.8	Lg	09:38:30.974	0.2					T__						1049653	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
A264A	0.73	330.3	Lg	09:38:34.393	-0.3					T__						1049654	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MORH	0.90	40.0	Pg	09:38:27.635	-0.1					T__		24.7		---	ML	1.4	1049651	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.90	40.0	Lg	09:38:40.996	-0.4					T__						1049655	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
A266A	1.05	17.5	Pn	09:38:31.093	0.8					T__		141.6		---	ML	2.2	1049652	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A266A	1.05	17.5	Sn	09:38:45.731	-0.4					T__						1049656	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
BEHE	1.19	323.0	Pn	09:38:33.008	0.5					T__		160.1		---	ML	2.4	1049658	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BEHE	1.19	323.0	Sn	09:38:49.019	-0.4					T__						1049657	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=1)																									
PTJ	1.34	287.0	Sn	09:38:52.225	-1.9					T__						1049659	FDSN	CR	--	BUD	iLoc	BHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/07	20:41:16.95	2.05	0.80	46.0788	21.5737	31.5	12.8	94	15.0f		6	4	136	0.46	1.09	ke	BUD	19002930	BUD			231

Magnitude	Err	Nsta	Author	OrigID



Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BZS	0.46	176.3	Pg	20:41:26.311	-0.0					T__		28.4		_c_	ML	1.0	1051733	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.46	176.3	Lg	20:41:32.921	-0.0					T__						1051729	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
HU06A	0.94	312.7	Sn	20:41:47.885	0.1					T__						1051734	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
DRGR	1.06	47.4	Pn	20:41:36.684	0.3					T__		26.3			ML	1.5	1051730	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	1.06	47.4	Sn	20:41:50.515	-1.1					T__						1051731	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
GZR	1.09	128.7	Sn	20:41:52.955	0.7					T__						1051732	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/08	05:47:39.07	1.43	1.49	48.4026	17.3618	19.0	3.5	133	0.0f		7	5	196	0.06	1.11	sx	BUD	19002936	BUD			334

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.06	242.8	Pg	05:47:41.482	0.5					T__						1051890	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.06	242.8	Lg	05:47:42.127	-0.8					T__						1051891	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ZST	0.27	220.1	Lg	05:47:47.788	-1.8					T__						1051892	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.50	24.0	Pg	05:47:50.440	0.8					T__		30.1			ML	1.2	1051889	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.50	24.0	Lg	05:47:55.826	-1.9					T__						1051893	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=0)																									
RONA	1.00	225.9	Lg	05:48:12.609	0.6					T__						1051894	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	1.11	245.3	Lg	05:48:15.358	0.0					T__						1051895	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/08	08:13:20.54	2.63	0.97	45.8330	18.3896	17.6	7.6	170	0.0f		8	4	248	0.33	1.69	sx	BUD	19002938	BUD			296

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.7	4 BUD	19002938

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOVH	0.33	321.8	Pg	08:13:27.998	0.3					T__		44.0			ML	0.8	1051940	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.33	321.8	Lg	08:13:32.210	-0.7					T__						1051943	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=1)																									
MORH	0.42	24.8	Pg	08:13:29.616	0.2					T__		28.7			ML	0.9	1051938	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.42	24.8	Lg	08:13:35.756	-0.6					T__						1051944	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
A266A	0.70	352.9	Pg	08:13:35.535	0.6					T__		132.5			ML	2.0	1051939	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A266A	0.70	352.9	Lg	08:13:45.294	-0.2					T__						1051945	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
PTJ	1.69	273.4	Pn	08:13:50.884	0.0					T__		25.8			ML	1.9	1051942	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	1.69	273.4	Lg	08:14:15.241	-1.8					T__						1051941	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.9 magdef=1)																									

(Station ML: 1.9 magdef=1)

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/08	08:31:14.46	1.41	0.89	47.7997	19.3948	18.2	3.3	173	0.0f		12	8	140	0.17	1.06	sx	BUD	19002940	BUD			204

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.3	5 BUD	19002940

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU03A	0.17	52.9	Pg	08:31:18.982	0.5					T__		232.4		___	ML	1.1	1051979	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.17	52.9	Lg	08:31:22.091	0.4					T__				___		1051983	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1 Station ML: 1.1 magdef=0)																									
HU10A	0.26	280.3	Pg	08:31:20.518	0.4					T__		474.0		___	ML	1.7	1051978	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU10A	0.26	280.3	Lg	08:31:23.712	-1.1					T__				___		1051981	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=1)																									
ET1H	0.33	75.9	Pg	08:31:21.781	-0.0					T__		113.1		___	ML	1.3	1051980	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.33	75.9	Lg	08:31:27.189	-0.1					T__				___		1051984	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1 Station ML: 1.3 magdef=1)																									
PSZ	0.36	70.4	Lg	08:31:27.991	-0.6					T__				___		1051985	FDSN	GE	--	BUD	iLoc	HHN	???	_	
HU02A	0.83	66.6	Lg	08:31:43.887	-0.6					T__				___		1051986	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KECS	1.00	46.5	Pg	08:31:35.483	1.1					T__		62.4		___	ML	1.9	1051987	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=0)																									
JOS	1.04	47.3	Pg	08:31:35.867	0.8					T__		24.4		___	ML	1.5	1051989	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	1.04	47.3	Lg	08:31:49.494	-1.6					T__				___		1051988	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=1)																									
A267A	1.06	216.3	Sn	08:31:51.345	-0.4					T__				___		1051982	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/08	09:03:09.14	1.09	0.72	48.4747	20.3525	6.9	3.5	136	0.0f		13	7	148	0.09	0.95	sx	BUD	19002942	BUD			231

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.1	6 BUD	19002942

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KECS	0.09	84.4	Pg	09:03:11.561	0.4					T__		1056.9		___	ML	1.6	1052025	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.09	84.4	Lg	09:03:12.958	0.0					T__				___		1052030	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.6 magdef=1 Station ML: 1.6 magdef=1)																									
JOS	0.13	80.3	Pg	09:03:12.136	0.2					T__		587.8		___	ML	1.4	1052026	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.13	80.3	Lg	09:03:13.839	-0.3					T__				___		1052027	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1 Station ML: 1.4 magdef=1)																									
HU02A	0.37	161.8	Pg	09:03:18.068	0.9					T__		80.8		___	ML	1.2	1052031	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.37	161.8	Lg	09:03:23.098	-0.3					T__				___		1052034	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									

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(Station ML: 1.2 magdef=0
ABAH 0.62 106.5 Pg 09:03:21.802 0.2 T__ 49.2 ___ ML 1.5 1052028 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.62 106.5 Lg 09:03:30.418 -1.5 T__ ___ 1052032 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
PSZ 0.64 209.0 Pg 09:03:23.250 0.5 T__ 73.7 ___ ML 1.7 1052029 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.64 209.0 Lg 09:03:31.700 -0.9 T__ ___ 1052035 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=0
ET1H 0.68 208.6 Pg 09:03:23.438 -0.0 T__ 33.3 ___ ML 1.4 1052037 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.68 208.6 Lg 09:03:32.807 -0.8 T__ ___ 1052036 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
NIE 0.95 357.9 Lg 09:03:40.297 -0.1 T__ ___ 1052033 FDSN PL -- BUD iLoc BHN ??? _

```

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/08	09:07:55.99	1.73	2.07	46.0196	18.3358	12.8	4.7	169	0.0f	7	4	245	0.18	1.28	sx	BUD	19002944	BUD				298

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.2	3 BUD	19002944

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOVH	0.18	292.8	Pg	09:08:00.638	0.4					T__		302.1		___	ML	1.3	1052067	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.18	292.8	Lg	09:08:02.801	-0.8					T__				___		1052071	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1 (Station ML: 1.3 magdef=1																									
MORH	0.29	47.5	Pg	09:08:02.682	0.3					T__		105.5		___	ML	1.1	1052066	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.29	47.5	Lg	09:08:06.718	-0.7					T__				___		1052072	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1 (Station ML: 1.1 magdef=1																									
A266A	0.51	354.5	Pg	09:08:08.303	1.7					T__		274.5		___	ML	2.2	1052068	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A266A	0.51	354.5	Lg	09:08:11.880	-2.8					T__				___		1052069	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1 (Station ML: 2.2 magdef=1																									
MPLH	1.28	334.8	Sn	09:08:36.025	-2.3					T__				___		1052070	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/06/08	09:20:09.25	1.01	1.02	46.1651	18.3184	9.9	3.7	157	0.0f	5	3	165	0.17	0.36	sx	BUD	19002946	BUD					276

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOVH	0.17	243.3	Pg	09:20:13.624	0.3					T__		231.3		___	ML	1.1	1052092	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.17	243.3	Lg	09:20:16.009	-0.5					T__				___		1052093	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1 (Station ML: 1.1 magdef=1																									
MORH	0.23	77.4	Pg	09:20:14.968	0.5					T__		72.3		___	ML	0.8	1052095	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.23	77.4	Lg	09:20:17.523	-1.1					T__				___		1052094	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1 (Station ML: 0.8 magdef=1																									

A266A 0.36 354.1 Lg 09:20:22.708 -0.4 T\_\_ --- 1052096 FDSN Z6 00 BUD iLoc HHN ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/08	11:09:56.71	0.96	1.05	47.3023	17.6514	7.3	3.3	137	0.0f		9	6	107	0.15	1.25	sx	BUD	19002948	BUD			190

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.0	3 BUD	19002948

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MPLH	0.15	210.0	Pg	11:10:00.404	-0.0					T__		393.5		---	ML	1.3	1052463	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.15	210.0	Lg	11:10:02.661	-0.9					T__				---		1052467	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.3 magdef=1)																					
				(Station ML: 1.3 magdef=1)																					
HU08A	0.23	55.0	Pg	11:10:01.788	-0.0					T__		228.7		---	ML	1.3	1052464	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU08A	0.23	55.0	Lg	11:10:06.004	-0.1					T__				---		1052468	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.3 magdef=1)																					
				(Station ML: 1.3 magdef=1)																					
CSKK	0.42	81.4	Pg	11:10:06.025	0.5					T__		66.3		---	ML	1.3	1052465	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.42	81.4	Lg	11:10:12.029	-0.9					T__				---		1052469	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.3 magdef=1)																					
				(Station ML: 1.3 magdef=1)																					
SRO	0.68	41.0	Lg	11:10:21.392	-0.6					T__				---		1052470	FDSN	SK	--	BUD	iLoc	EHN	???	_	
RONA	1.00	293.9	Lg	11:10:30.491	0.6					T__				---		1052466	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KOVH	1.25	165.6	Lg	11:10:41.534	2.0					T__				---		1052471	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/09	01:33:35.30	1.69	0.78	48.0290	20.5689	12.6	6.7	146	10.0f		6	4	197	0.10	0.52	ke	BUD	19002954	BUD			283

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.0	3 BUD	19002948

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU02A	0.10	342.5	Pg	01:33:38.479	0.1					T__		63.4		_d	ML	0.4	1056353	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.10	342.5	Lg	01:33:40.054	-0.8					T__				---		1056354	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 0.4 magdef=1)																					
				(Station ML: 0.4 magdef=1)																					
KECS	0.46	353.0	Pg	01:33:45.425	0.8					T__		63.6		---	ML	1.4	1056355	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.46	353.0	Lg	01:33:50.982	-0.5					T__				---		1056357	FDSN	SK	--	BUD	iLoc	EHN	???	_	
				(Reading ML: 1.4 magdef=1)																					
				(Station ML: 1.4 magdef=1)																					
PSZ	0.47	256.5	Lg	01:33:52.547	-0.2					T__				---		1056356	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ABAH	0.52	59.0	Lg	01:33:53.487	-0.4					T__				---		1056358	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/09	02:23:53.19	1.64	1.33	46.1252	21.5819	14.8	6.0	118	10.0f		7	4	206	0.51	1.11	ke	BUD	19002956	BUD			287

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.3	3 BUD	19002956

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
-----	------	------	-------	------	------	------	-------	------	------	-----	-----	-----	-----	------	-----------	-------	-----	--------	----	------	-----	-----	-----	---

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BZS 0.51 177.2 Pg 02:24:02.853 -0.5 T__ 69.9 ___ ML 1.6 1056381 FDSN RO -- BUD iLoc HHZ HHZ _
BZS 0.51 177.2 Lg 02:24:09.240 -1.3 T__ ___ 1056382 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
BANR 0.81 203.0 Lg 02:24:21.249 1.4 T__ ___ 1056383 FDSN RO -- BUD iLoc HHN ??? _
DRGR 1.03 49.1 Pg 02:24:13.498 -0.0 T__ 47.1 ___ ML 1.7 1056385 FDSN RO -- BUD iLoc HHZ HHZ _
DRGR 1.03 49.1 Lg 02:24:25.762 -1.3 T__ ___ 1056384 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
GZR 1.11 130.8 Pg 02:24:15.542 1.2 T__ 67.5 ___ ML 1.9 1056380 FDSN RO -- BUD iLoc HHZ HHZ _
GZR 1.11 130.8 Lg 02:24:29.510 0.3 T__ ___ 1056379 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/06/09 03:08:46.82 3.23 1.13 46.0990 21.4594 31.4 13.3 109 15.0f 6 3 243 0.49 1.16 ke BUD 19002958 BUD 319

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Magnitude Err Nsta Author OrigID
ML 1.7 0.1 3 BUD 19002958

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
BZS 0.49 167.1 Pg 03:08:56.838 0.1 T__ 38.0 ___ ML 1.3 1056407 FDSN RO -- BUD iLoc HHZ HHZ _
BZS 0.49 167.1 Lg 03:09:03.608 -0.2 T__ ___ 1056408 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
DRGR 1.11 50.9 Pn 03:09:07.068 0.2 T__ 39.7 ___ ML 1.7 1056410 FDSN RO -- BUD iLoc HHZ HHZ _
DRGR 1.11 50.9 Sn 03:09:20.695 -1.9 T__ ___ 1056409 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
GZR 1.16 127.0 Pg 03:09:09.198 0.2 T__ 33.7 ___ ML 1.7 1056412 FDSN RO -- BUD iLoc HHZ HHZ _
GZR 1.16 127.0 Sn 03:09:23.420 -0.4 T__ ___ 1056411 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/06/09 05:13:36.83 1.15 0.76 47.3081 18.3445 8.0 4.2 71 0.0f 8 7 160 0.08 1.23 sx BUD 19002960 BUD 211

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CSKK 0.08 314.0 Pg 05:13:39.251 0.2 T__ 1546.7 ___ ML 1.7 1056434 FDSN HU -- BUD iLoc HHZ HHZ _
CSKK 0.08 314.0 Lg 05:13:40.060 -1.3 T__ ___ 1056435 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=0
HU08A 0.31 293.5 Lg 05:13:49.460 0.3 T__ ___ 1056436 FDSN Z6 00 BUD iLoc HHN ??? _
HU09A 0.33 4.4 Lg 05:13:50.201 0.2 T__ ___ 1056439 FDSN Z6 00 BUD iLoc HHN ??? _
A267A 0.37 165.4 Lg 05:13:50.824 -0.4 T__ ___ 1056440 FDSN Z6 00 BUD iLoc HHN ??? _
MPLH 0.57 256.2 Lg 05:13:57.466 0.2 T__ ___ 1056437 FDSN HU -- BUD iLoc HHN ??? _
MORH 1.11 169.2 Lg 05:14:14.975 -0.1 T__ ___ 1056441 FDSN HU -- BUD iLoc HHN ??? _
KOVH 1.23 187.9 Sn 05:14:19.247 0.9 T__ ___ 1056438 FDSN HU -- BUD iLoc HHE ??? _

```

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/09	07:35:59.86	0.97	1.64	47.2701	18.2609	5.5	4.8	79	0.0f		13	10	94	0.09	1.29	sx	BUD	19002962	BUD			119

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.2	4 BUD	19002962

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.09	359.8	Pg	07:36:02.789	0.4					T__		2690.5		___	ML	2.0	1056467	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.09	359.8	Lg	07:36:03.683	-1.2					T__				---		1056468	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
HU08A	0.28	305.2	Pg	07:36:05.812	-0.2					T__		199.2		___	ML	1.4	1056471	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU08A	0.28	305.2	Lg	07:36:09.389	-1.8					T__				---		1056470	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
A267A	0.36	154.9	Lg	07:36:11.944	-1.7					T__				---		1056472	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU09A	0.38	12.6	Pg	07:36:08.665	0.8					T__		265.8		---	ML	1.8	1056469	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
MPLH	0.50	258.8	Lg	07:36:20.290	2.1					T__				---		1056473	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MORH	1.09	165.9	Lg	07:36:37.239	-0.1					T__				---		1056474	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOVH	1.19	185.4	Sn	07:36:42.589	2.3					T__				---		1056478	FDSN	HU	--	BUD	iLoc	HHN	???	_	
ET1H	1.25	60.2	Sn	07:36:40.289	-1.8					T__				---		1056475	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	1.28	59.0	Pn	07:36:25.555	1.4					T__		47.3		---	ML	1.9	1056477	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.28	59.0	Sn	07:36:42.078	-1.3					T__				---		1056476	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
MODS	1.29	329.4	Sn	07:36:42.333	-1.2					T__				---		1056479	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/09	09:02:11.89	1.64	0.52	48.5303	20.7688	12.8	4.5	11	0.0f		8	6	229	0.16	0.89	sx	BUD	19002964	BUD			304

Magnitude	Err	Nsta	Author	OrigID
ML	0.9	0.0	3 BUD	19002964

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.16	257.3	Pg	09:02:15.393	0.2					T__		152.7		___	ML	0.9	1056505	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.16	257.3	Lg	09:02:18.225	0.3					T__				---		1056506	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
KECS	0.19	256.1	Pg	09:02:15.883	-0.1					T__		393.2		---	ML	1.4	1056507	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.19	256.1	Lg	09:02:19.013	-0.2					T__				---		1056509	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
ABAH	0.39	126.6	Pg	09:02:19.950	-0.0					T__		33.2		---	ML	0.9	1056508	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
HU02A	0.44	201.8	Lg	09:02:29.179	0.7					T__				---		1056510	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.85	224.0	Lg	09:02:42.030	-0.5					T__				---		1056511	FDSN	GE	--	BUD	iLoc	HHN	???	_	

ET1H	0.89	223.0	Lg	09:02:42.806	-0.6					T__					1056512	FDSN	HU	--	BUD	iLoc	HHN	???	_		
Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp			
2023/06/09	10:14:44.97	1.40	0.82	47.9233	20.1373	18.1	3.5	154	0.0f	7	4	203		0.16	0.63	sx	BUD	19002968	BUD			231			
Magnitude	Err	Nsta	Author	OrigID																					
ML	1.2	0.1	3	BUD	19002968																				
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.16	268.4	Pg	10:14:49.620	0.6					T__		302.6			ML	1.2	1056618	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.16	268.4	Lg	10:14:52.303	-0.1					T__						1056620	FDSN	GE	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.2 magdef=1)																					
				(Station ML: 1.2 magdef=1)																					
ET1H	0.18	256.2	Pg	10:14:49.449	0.1					T__		240.3			ML	1.2	1056619	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.18	256.2	Lg	10:14:52.049	-0.7					T__						1056621	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.2 magdef=1)																					
				(Station ML: 1.2 magdef=1)																					
HU02A	0.33	52.5	Pg	10:14:52.751	0.6					T__		31.6			ML	0.7	1056622	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.33	52.5	Lg	10:14:56.996	-0.9					T__						1056623	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 0.7 magdef=1)																					
				(Station ML: 0.7 magdef=1)																					
JOS	0.63	25.0	Lg	10:15:06.459	-0.9					T__						1056624	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp			
2023/06/09	11:02:02.52	0.95	1.25	48.8254	21.6109	7.0	3.7	158	0.0f	17	11	96		0.45	1.50	sx	BUD	19002970	BUD			155			
Magnitude	Err	Nsta	Author	OrigID																					
ML	1.9	0.0	5	BUD	19002970																				
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOLS	0.45	75.9	Pg	11:02:11.324	0.0					T__						1056666	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.45	75.9	Lg	11:02:19.628	0.8					T__						1056667	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ABAH	0.58	205.1	Pg	11:02:15.117	0.9					T__		64.9			ML	1.6	1056665	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.58	205.1	Lg	11:02:21.930	-2.1					T__						1056664	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.6 magdef=1)																					
				(Station ML: 1.6 magdef=0)																					
JOS	0.78	245.5	Pg	11:02:18.885	0.9					T__		132.6			ML	2.1	1056660	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.78	245.5	Lg	11:02:28.740	-1.0					T__						1056668	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.1 magdef=1)																					
				(Station ML: 2.1 magdef=1)																					
KECS	0.82	245.8	Pg	11:02:19.460	0.6					T__		274.4			ML	2.4	1056661	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.82	245.8	Lg	11:02:30.106	-0.9					T__						1056662	FDSN	SK	--	BUD	iLoc	EHN	???	_	
				(Reading ML: 2.4 magdef=1)																					
				(Station ML: 2.4 magdef=0)																					
TRPA	0.93	138.0	Pg	11:02:20.352	-0.2					T__		79.2			ML	1.9	1056671	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.93	138.0	Lg	11:02:34.915	-0.5					T__						1056670	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.9 magdef=1)																					
				(Station ML: 1.9 magdef=1)																					
HU02A	1.01	226.2	Pn	11:02:21.462	-1.5					T__		68.0			ML	1.9	1056663	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.01	226.2	Lg	11:02:37.300	-1.0					T__						1056672	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

```

(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
NIE 1.05 305.1 Lg 11:02:36.363 -1.4 T__ --- 1056669 FDSN PL -- BUD iLoc BHN ??? _
KWP 1.08 41.3 Lg 11:02:39.684 0.9 T__ --- 1056673 FDSN PL -- BUD iLoc HHN ??? _
MEZ 1.30 103.2 Lg 11:02:47.264 0.5 T__ --- 1056674 FDSN UA -- BUD iLoc BHN ??? _
PSZ 1.46 232.2 Sn 11:02:51.863 1.3 T__ --- 1056675 FDSN GE -- BUD iLoc HHN ??? _
ET1H 1.50 231.4 Sn 11:02:53.226 2.2 T__ --- 1056676 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/06/10 18:02:19.43 0.79 0.90 47.0574 18.9376 3.8 3.4 166 12.7 7.8 24 16 67 0.12 1.13 ke BUD 19002982 BUD 111

```

```

Magnitude Err Nsta Author OrigID
ML 1.7 0.2 12 BUD 19002982

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```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
A271A 0.12 324.1 Pg 18:02:23.006 0.0 T__ 681.0 --- ML 1.5 1059494 FDSN Z6 00 BUD iLoc HHZ HHZ _
A271A 0.12 324.1 Lg 18:02:26.202 0.3 T__ --- 1059515 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
A272A 0.31 176.5 Lg 18:02:30.828 -0.9 T__ --- 1059500 FDSN Z6 00 BUD iLoc HHN ??? _
A267A 0.33 250.6 Pg 18:02:26.320 -0.1 T__ 122.4 --- ML 1.3 1059495 FDSN Z6 00 BUD iLoc HHZ HHZ _
A267A 0.33 250.6 Lg 18:02:32.255 0.1 T__ --- 1059516 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=0
HU04B 0.42 125.2 Pg 18:02:28.819 0.4 T__ 125.6 --- ML 1.6 1059501 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
HU01A 0.55 58.1 Pg 18:02:30.570 -0.7 T__ 106.3 --- ML 1.8 1059503 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU01A 0.55 58.1 Lg 18:02:39.143 -0.2 T__ --- 1059502 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
CSKK 0.55 303.8 Lg 18:02:38.171 -1.5 T__ --- 1059504 FDSN HU -- BUD iLoc HHN ??? _
A266A 0.70 221.2 Pg 18:02:33.069 -0.4 T__ 258.0 --- ML 2.3 1059496 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=0
TIH 0.73 258.0 Lg 18:02:45.062 0.4 T__ --- 1059498 FDSN HU -- BUD iLoc HHN ??? _
HU22A 0.74 169.6 Pn 18:02:35.082 1.1 T__ 105.8 --- ML 1.9 1059497 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU22A 0.74 169.6 Lg 18:02:45.070 -0.7 T__ --- 1059505 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=0
HU08A 0.79 298.8 Pn 18:02:36.312 1.5 T__ 55.7 --- ML 1.7 1059506 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
MORH 0.87 193.6 Pn 18:02:36.401 0.7 T__ 58.4 --- ML 1.7 1059499 FDSN HU -- BUD iLoc HHZ HHZ _
MORH 0.87 193.6 Lg 18:02:48.214 -1.0 T__ --- 1059507 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
HU03A 0.96 27.7 Pn 18:02:38.338 1.2 T__ 68.9 --- ML 1.9 1059517 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU03A 0.96 27.7 Sn 18:02:52.598 1.5 T__ --- 1059508 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
MPLH 0.96 277.3 Lg 18:02:51.848 -0.3 T__ --- 1059509 FDSN HU -- BUD iLoc HHN ??? _

```



```

ET1H  1.04 37.3 Pn      18:02:39.178  0.9      T__      18.9      ___ ML    1.4 1059511  FDSN HU    -- BUD  iLoc  HHZ HHZ  _
ET1H  1.04 37.3 Sn      18:02:53.493  0.3      T__      ___      ___      1059510  FDSN HU    -- BUD  iLoc  HHN ???  _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=0
PSZ   1.08 36.6 Pn      18:02:40.200  1.1      T__      41.7      ___ ML    1.7 1059513  FDSN GE    -- BUD  iLoc  HHZ HHZ  _
PSZ   1.08 36.6 Sn      18:02:55.502  0.9      T__      ___      ___      1059512  FDSN GE    -- BUD  iLoc  HHN ???  _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
KOVH  1.13 211.1 Pg      18:02:41.600  0.2      T__      24.1      ___ ML    1.5 1059514  FDSN HU    -- BUD  iLoc  HHZ HHZ  _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1

```

```

Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author  OrigID  Rep  DPdep  Err Sgp
2023/06/11 01:11:06.34  2.39  0.42  45.9658  17.5270  21.7  4.5  27 18.3  15.5  7  5 215  0.21  0.82  ke BUD  19002984  BUD  278

```

```

Magnitude Err Nsta Author  OrigID
ML 1.0 0.1 3 BUD 19002984

```

```

Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
A273A  0.21 103.7 Pg      01:11:11.550  -0.1      T__      123.2      ___ ML    1.0 1059888  FDSN Z6    00 BUD  iLoc  HHZ HHZ  _
A273A  0.21 103.7 Lg      01:11:15.491  0.2      T__      ___      ___      1059887  FDSN Z6    00 BUD  iLoc  HHE ???  _
(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=1
A264A  0.25 319.7 Pg      01:11:12.301  -0.1      T__      76.8      ___ ML    0.9 1059893  FDSN Z6    00 BUD  iLoc  HHZ HHZ  _
A264A  0.25 319.7 Lg      01:11:16.711  0.1      T__      ___      ___      1059889  FDSN Z6    00 BUD  iLoc  HHN ???  _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=1
KOVH  0.42 72.7 Lg      01:11:20.983  -0.4      T__      ___      ___      1059890  FDSN HU    -- BUD  iLoc  HHN ???  _
A265A  0.50 22.0 Pn      01:11:17.347  0.1      T__      62.6      ___ ML    1.5 1059891  FDSN Z6    00 BUD  iLoc  HHZ HHZ  _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
MORH  0.82 71.8 Lg      01:11:34.762  0.5      T__      ___      ___      1059892  FDSN HU    -- BUD  iLoc  HHN ???  _

```

```

Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author  OrigID  Rep  DPdep  Err Sgp
2023/06/11 17:11:06.77  1.51  0.76  46.1123  21.4053  34.6  7.3  79 15.0f  7  4 184  0.52  1.20  ke BUD  19002994  BUD  249

```

```

Magnitude Err Nsta Author  OrigID
ML 1.6 0.1 3 BUD 19002994

```

```

Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
BZS  0.52 163.3 Pg      17:11:17.220  0.1      T__      15.0      _c_ ML    0.9 1063369  FDSN R0    -- BUD  iLoc  HHZ HHZ  _
BZS  0.52 163.3 Lg      17:11:24.084  -0.3      T__      ___      ___      1063370  FDSN R0    -- BUD  iLoc  HHN ???  _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=1
HU24A  0.82 348.1 Lg      17:11:34.406  -0.2      T__      ___      ___      1063371  FDSN Z6    00 BUD  iLoc  HHN ???  _
DRGR  1.13 52.6 Pn      17:11:27.135  0.0      T__      31.0      ___ ML    1.6 1063373  FDSN R0    -- BUD  iLoc  HHZ HHZ  _
DRGR  1.13 52.6 Sn      17:11:41.983  -1.0      T__      ___      ___      1063372  FDSN R0    -- BUD  iLoc  HHE ???  _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
GZR  1.20 126.3 Pn      17:11:29.372  1.0      T__      34.6      ___ ML    1.7 1063375  FDSN R0    -- BUD  iLoc  HHZ HHZ  _

```

GZR 1.20 126.3 Sn 17:11:44.576 -0.1 T\_\_ --- 1063374 FDSN RO -- BUD iLoc HHE ??? \_  
 (Reading ML: 1.7 magdef=1  
 (Station ML: 1.7 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/11	19:48:48.78	3.56	2.00	46.0623	21.5155	49.8	14.1	102	15.0f	6	4	237	0.45	1.69	ke	BUD	19002996	BUD				299

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BZS	0.45	170.9	Pg	19:48:58.210	0.3					T__		26.3		_c_	ML	1.0	1063398	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.45	170.9	Lg	19:49:03.870	-0.5					T__				---		1063401	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1 (Station ML: 1.0 magdef=1																									
DRGR	1.10	48.2	Pn	19:49:08.472	-0.3					T__		38.4		---	ML	1.7	1063396	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	1.10	48.2	Sn	19:49:22.568	-1.9					T__				---		1063397	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=1																									
GZR	1.11	126.7	Sn	19:49:25.453	0.9					T__				---		1063399	FDSN	RO	--	BUD	iLoc	HHN	???	_	
LOT	1.69	110.5	Sn	19:49:41.813	2.7					T__				---		1063400	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/06/12	03:35:07.07	1.49	3.43	45.5794	16.3950	40.8	8.0	49	13.0f	7	5	160	0.38	1.59	ke	BUD	19003002	BUD					259

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ZAG	0.38	311.0	Lg	03:35:21.078	0.7					T__				---		1063679	FDSN	CR	--	BUD	iLoc	BHN	???	_	
PTJ	0.44	317.8	Pg	03:35:15.351	-0.9					T__		59.7		---	ML	1.3	1063678	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.44	317.8	Lg	03:35:22.824	-0.3					T__				---		1063680	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.3 magdef=1 (Station ML: 1.3 magdef=1																									
A264A	0.85	46.8	Sn	03:35:42.376	5.9					T__				---		1063682	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
BLY	1.00	145.8	Lg	03:35:38.895	-0.0					T__				---		1063681	FDSN	MN	--	BUD	iLoc	HHN	???	_	
OBKA	1.59	306.5	Pg	03:35:38.387	2.8					T__		46.0		---	ML	2.0	1063684	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
OBKA	1.59	306.5	Sn	03:35:56.868	1.7					T__				---		1063683	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1 (Station ML: 2.0 magdef=1																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/06/12	05:57:28.04	1.35	1.49	46.0836	22.8807	8.7	6.8	50	0.0f	9	5	144	0.20	1.00	sx	BUD	19003004	BUD					252

Magnitude Err Nsta Author OrigID  
 ML 1.7 0.1 4 BUD 19003004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DEV	0.20	175.5	Pg	05:57:31.937	0.1					T__		1087.6		---	ML	1.9	1063708	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.20	175.5	Lg	05:57:34.620	-0.1					T__				---		1063709	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1																									

```

(Station ML: 1.9 magdef=1
GZR 0.69 186.1 Pg 05:57:41.561 0.2 T__ 53.5 ___ ML 1.6 1063711 FDSN RO -- BUD iLoc HHZ HHZ _
GZR 0.69 186.1 Lg 05:57:50.929 -0.3 T__ ___ 1063710 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
DRGR 0.72 350.7 Lg 05:57:52.888 -1.3 T__ ___ 1063714 FDSN RO -- BUD iLoc HHN ??? _
LOT 0.89 135.3 Pg 05:57:46.415 1.3 T__ ___ ML 1.8 1063712 FDSN RO -- BUD iLoc HHZ HHZ _
LOT 0.89 135.3 Lg 05:57:55.358 -2.8 T__ ___ 1063713 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
BZS 1.00 242.6 Pg 05:57:48.459 1.0 T__ 33.0 ___ ML 1.6 1063716 FDSN RO -- BUD iLoc HHZ HHZ _
BZS 1.00 242.6 Lg 05:58:00.383 -1.2 T__ ___ 1063715 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/06/12 07:54:18.55 1.30 0.50 48.0174 19.6551 8.2 3.7 138 0.0f 10 6 211 0.12 0.76 sx BUD 19003006 BUD 276

```

```

Magnitude Err Nsta Author OrigID
ML 1.7 0.1 4 BUD 19003006

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
HU03A 0.12 198.2 Pg 07:54:21.866 0.4 T__ 940.4 ___ ML 1.6 1063746 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU03A 0.12 198.2 Lg 07:54:23.037 -0.8 T__ ___ 1063747 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
PSZ 0.19 121.5 Pg 07:54:23.692 0.5 T__ 766.1 ___ ML 1.7 1063749 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.19 121.5 Lg 07:54:26.444 -0.4 T__ ___ 1063748 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
ET1H 0.20 133.5 Pg 07:54:23.399 0.2 T__ 215.7 ___ ML 1.2 1063745 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.20 133.5 Lg 07:54:26.646 -0.2 T__ ___ 1063750 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
HU02A 0.59 79.5 Pg 07:54:31.112 0.1 T__ 88.7 ___ ML 1.8 1063752 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.59 79.5 Lg 07:54:40.055 -0.5 T__ ___ 1063751 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
KECS 0.72 49.7 Lg 07:54:43.915 -0.2 T__ ___ 1063753 FDSN SK -- BUD iLoc EHN ??? _
JOS 0.76 50.7 Lg 07:54:44.917 -0.3 T__ ___ 1063754 FDSN Z6 -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/06/12 10:01:13.42 1.02 1.31 47.6279 16.3912 6.9 3.7 8 0.0f 12 9 117 0.10 1.50 sx BUD 19003008 BUD 190

```

```

Magnitude Err Nsta Author OrigID

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
RONA 0.10 318.3 Pg 10:01:15.585 -0.1 T__ _c_ 1063785 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.10 318.3 Lg 10:01:17.629 0.1 T__ ___ 1063786 FDSN OE -- BUD iLoc HHN ??? _
SOP 0.13 63.8 Pg 10:01:16.607 0.3 T__ 163.9 ___ ML 0.9 1063784 FDSN HU -- BUD iLoc HHZ HHZ _

```

SOP	0.13	63.8	Lg	10:01:18.907	0.4	T__									1063783	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 0.9 magdef=1)																							
(Station ML: 0.9 magdef=1)																							
CONA	0.47	310.3	Pg	10:01:22.867	0.1	T__																	
CONA	0.47	310.3	Lg	10:01:29.169	0.1	T__																	
(Reading ML: 1.5 magdef=1)																							
(Station ML: 1.5 magdef=1)																							
ARSA	0.70	237.7	Lg	10:01:36.110	0.3	T__																	
MPLH	0.90	120.0	Lg	10:01:43.946	-1.0	T__																	
MODS	0.95	38.2	Lg	10:01:47.012	-0.6	T__																	
HU08A	1.06	100.2	Sn	10:01:47.437	-2.9	T__																	
KRUC	1.44	0.1	Sn	10:02:00.127	0.4	T__																	
JAVC	1.50	34.3	Sn	10:02:04.641	2.3	T__																	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/12	11:51:21.02	1.26	0.76	47.8912	16.0743	12.7	3.9	36	0.0f		7	5	131	0.15	1.50	sx	BUD	19003014	BUD			200

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.15	284.6	Pg	11:51:24.198	-0.0					T__		176.3			ML	1.0	1064746	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.15	284.6	Lg	11:51:25.771	-0.7					T__						1064748	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=0)																									
RONA	0.24	141.9	Pg	11:51:26.026	-0.1					T__						1064750	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.24	141.9	Lg	11:51:29.816	0.1					T__						1064749	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.74	210.4	Lg	11:51:45.104	0.4					T__						1064751	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.19	10.2	Sn	11:52:01.107	-0.2					T__						1064747	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
CKRC	1.50	308.9	Lg	11:52:10.973	1.3					T__						1064752	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/12	12:07:35.99	1.77	0.55	48.3174	19.9068	13.9	3.9	124	0.0f		10	5	243	0.40	0.46	sx	BUD	19003016	BUD			245

Magnitude	Err	Nsta	Author	OrigID
ML	1.2	0.0	5 BUD	19003016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.40	181.2	Pg	12:07:44.951	0.1					T__		59.3			ML	1.2	1064805	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.40	181.2	Lg	12:07:51.064	-0.3					T__						1064806	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
KECS	0.42	66.5	Pg	12:07:44.926	0.4					T__		111.1			ML	1.5	1064803	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.42	66.5	Lg	12:07:49.827	-1.2					T__						1064804	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=0)																									
ET1H	0.44	183.1	Pg	12:07:45.657	0.2					T__		41.3			ML	1.1	1064808	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.44	183.1	Lg	12:07:52.101	-0.2					T__						1064809	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
HU02A	0.46	115.1	Pg	12:07:46.032	0.3					T__		23.8			ML	0.9	1064802	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_

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HU02A  0.46 115.1 Lg      12:07:53.170 -0.0          T__          ---          1064810    FDSN Z6      00 BUD    iLoc HHN ??? _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=0
JOS    0.46 66.8 Pg      12:07:45.331  0.1          T__          42.2         --- ML      1.2 1064801    FDSN Z6      -- BUD    iLoc HHZ HHZ _
JOS    0.46 66.8 Lg      12:07:52.663  0.4          T__          ---          1064807    FDSN Z6      -- BUD    iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1

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Date      Time      Err    RMS Latitude Longitude Smaj Smin Az Depth  Err Ndef Nsta Gap mdist Mdist Qual  Author      OrigID      Rep  DPdep  Err Sgp
2023/06/12 12:08:49.93  2.51  0.46  48.3275  19.8684  17.3  6.2 118  0.0f      6   4 249  0.44  0.48  sx BUD      19003018    BUD                314

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Magnitude Err Nsta Author OrigID

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Sta  Dist EvAz Phase      Time      TRes Azim AzRes  Slow  SRes Def  SNR      Amp  Per Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
KECS  0.44 69.0 Lg      12:09:05.408 -0.3          T__          ---          1064836    FDSN SK      -- BUD    iLoc EHN ??? _
ET1H  0.45 179.7 Lg     12:09:06.430 -0.2          T__          ---          1064837    FDSN HU      -- BUD    iLoc HHN ??? _
JOS   0.48 69.1 Pg      12:08:59.446 -0.1          T__          61.0         --- ML      1.4 1064839    FDSN Z6      -- BUD    iLoc HHZ HHZ _
JOS   0.48 69.1 Lg     12:09:07.281  0.4          T__          ---          1064838    FDSN Z6      -- BUD    iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
HU02A  0.48 114.8 Pg     12:09:00.638  0.4          T__          31.8         --- ML      1.2 1064840    FDSN Z6      00 BUD    iLoc HHZ HHZ _
HU02A  0.48 114.8 Lg     12:09:07.622 -0.5          T__          ---          1064841    FDSN Z6      00 BUD    iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1

```

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Date      Time      Err    RMS Latitude Longitude Smaj Smin Az Depth  Err Ndef Nsta Gap mdist Mdist Qual  Author      OrigID      Rep  DPdep  Err Sgp
2023/06/12 19:34:20.55  0.74  0.99  47.3934  18.5868  3.0   2.6 163  5.0f     34  27 62  0.22  1.92  ke BUD      19003022    BUD                78

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Magnitude Err Nsta Author OrigID  
ML 1.9 0.1 15 BUD 19003022

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Sta  Dist EvAz Phase      Time      TRes Azim AzRes  Slow  SRes Def  SNR      Amp  Per Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
CSKK  0.22 262.3 Pg     19:34:25.007 -0.3          T__          3606.9       --- ML      2.5 1065047    FDSN HU      -- BUD    iLoc HHZ HHZ _
CSKK  0.22 262.3 Lg     19:34:28.360 -1.0          T__          ---          1065057    FDSN HU      -- BUD    iLoc HHN ??? _
(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=0
HU09A  0.28 330.6 Pg     19:34:26.816  0.4          T__          706.1       --- ML      1.9 1065049    FDSN Z6      00 BUD    iLoc HHZ HHZ _
HU09A  0.28 330.6 Lg     19:34:31.373  0.1          T__          ---          1065059    FDSN Z6      00 BUD    iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
A271A  0.29 144.7 Pg     19:34:27.476  0.8          T__          521.4       --- ML      1.8 1065051    FDSN Z6      00 BUD    iLoc HHZ HHZ _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
BUD    0.31 72.9 Pg      19:34:26.795 -0.4          T__          262.0       --- ML      1.6 1065052    FDSN HU      -- BUD    iLoc HHZ HHZ _
BUD    0.31 72.9 Lg     19:34:31.969 -0.3          T__          ---          1065053    FDSN HU      -- BUD    iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=0
HU08A  0.45 275.1 Pg     19:34:29.499 -0.2          T__          174.2       --- ML      1.8 1065048    FDSN Z6      00 BUD    iLoc HHZ HHZ _
HU08A  0.45 275.1 Lg     19:34:35.897 -1.0          T__          ---          1065060    FDSN Z6      00 BUD    iLoc HHN ??? _
(Reading ML: 1.8 magdef=1

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(Station ML: 1.8 magdef=0
A267A 0.45 189.1 Lg 19:34:36.291 -0.7 T__ --- 1065050 FDSN Z6 00 BUD iLoc HHN ??? _
HU10A 0.54 32.7 Lg 19:34:39.328 -0.8 T__ --- 1065061 FDSN Z6 00 BUD iLoc HHN ??? _
TIH 0.68 224.1 Pg 19:34:34.066 -0.1 T__ 350.0 --- ML 2.4 1065054 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=0
A272A 0.70 158.1 Lg 19:34:43.850 -1.7 T__ --- 1065062 FDSN Z6 00 BUD iLoc HHN ??? _
MPLH 0.75 253.0 Pg 19:34:36.071 0.6 T__ 123.0 --- ML 2.0 1065064 FDSN HU -- BUD iLoc HHZ HHZ _
MPLH 0.75 253.0 Lg 19:34:45.610 -0.6 T__ --- 1065063 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
HU04B 0.82 134.6 Pn 19:34:37.899 0.7 T__ 206.0 --- ML 2.3 1065055 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=0
HU03A 0.85 52.9 Pn 19:34:37.984 0.2 T__ 139.7 --- ML 2.1 1065056 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
A266A 0.90 194.4 Lg 19:34:50.418 -0.6 T__ --- 1065065 FDSN Z6 00 BUD iLoc HHN ??? _
BADH 0.96 232.7 Lg 19:34:52.834 0.1 T__ --- 1065066 FDSN HU -- BUD iLoc HHN ??? _
ET1H 1.00 60.3 Pn 19:34:40.204 0.4 T__ 59.8 --- ML 1.8 1065068 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 1.00 60.3 Sn 19:34:54.406 -0.6 T__ --- 1065067 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
PSZ 1.03 58.8 Pn 19:34:41.012 0.5 T__ 89.1 --- ML 2.0 1065069 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 1.03 58.8 Sn 19:34:55.060 -1.3 T__ --- 1065070 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
A261A 1.08 246.3 Pn 19:34:41.459 0.5 T__ 99.3 --- ML 2.1 1065071 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
A265A 1.11 209.5 Sn 19:34:58.299 0.8 T__ --- 1065072 FDSN Z6 00 BUD iLoc HHN ??? _
HU22A 1.13 160.5 Sn 19:34:58.300 0.3 T__ --- 1065073 FDSN Z6 00 BUD iLoc HHN ??? _
HU23A 1.15 77.1 Sn 19:35:00.464 1.9 T__ --- 1065074 FDSN Z6 00 BUD iLoc HHN ??? _
ZST 1.28 309.3 Sn 19:35:03.333 1.1 T__ --- 1065075 FDSN SK -- BUD iLoc HHN ??? _
MODS 1.32 318.5 Pn 19:34:45.619 1.0 T__ --- 1065058 FDSN SK -- BUD iLoc HHZ ??? _
KOVH 1.35 194.6 Sn 19:35:04.302 0.9 T__ --- 1065076 FDSN HU -- BUD iLoc HHN ??? _
HU02A 1.50 60.1 Pn 19:34:48.526 1.6 T__ 28.8 --- ML 1.8 1065077 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=0
RONA 1.58 282.0 Pn 19:34:50.030 1.7 T__ --- 1065078 FDSN OE -- BUD iLoc HHZ ??? _
JOS 1.71 49.2 Pn 19:34:51.156 1.4 T__ 29.0 --- ML 1.9 1065079 FDSN Z6 -- BUD iLoc HHZ HHZ _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
CONA 1.92 287.2 Pn 19:34:55.021 1.9 T__ 23.3 --- ML 1.9 1065080 FDSN OE -- BUD iLoc HHZ HHZ _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/06/12 21:04:49.25 1.47 2.07 45.5576 16.3178 30.7 7.7 48 10.0f 8 5 165 0.36 1.56 ke BUD 19003024 BUD 260

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Magnitude Err Nsta Author OrigID
ML 1.9 0.2 3 BUD 19003024

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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ZAG	0.36	319.4	Lg	21:05:02.420	0.8					T__						1065132	FDSN	CR	--	BUD	iLoc	BHN	???	_	
PTJ	0.43	325.1	Pg	21:04:57.487	-0.6					T__		62.2		---	ML	1.3	1065128	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.43	325.1	Lg	21:05:03.598	-1.0					T__				---		1065133	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
A264A	0.91	48.1	Pn	21:05:09.200	1.9					T__		72.6		---	ML	1.9	1065135	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A264A	0.91	48.1	Sn	21:05:23.678	3.1					T__				---		1065134	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
BLY	1.01	142.5	Lg	21:05:21.163	-0.6					T__				---		1065131	FDSN	MN	--	BUD	iLoc	HHN	???	_	
OBKA	1.56	308.3	Pg	21:05:19.801	2.3					T__		43.4		---	ML	2.0	1065130	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
OBKA	1.56	308.3	Lg	21:05:39.304	-0.2					T__				---		1065129	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/13	08:27:25.67	1.21	0.42	48.2710	19.9015	8.9	3.6	118	0.0f		13	7	189	0.35	1.18	sx	BUD	19003026	BUD			238

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.1	6 BUD	19003026

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.35	180.8	Pg	08:27:33.779	0.2					T__		198.8		---	ML	1.6	1067479	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.35	180.8	Lg	08:27:39.732	0.2					T__				---		1067478	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
ET1H	0.39	183.0	Pg	08:27:34.071	-0.1					T__		105.6		---	ML	1.4	1067476	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.39	183.0	Lg	08:27:40.206	-0.2					T__				---		1067477	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=0)																									
HU02A	0.44	109.4	Pg	08:27:35.386	0.3					T__		110.3		---	ML	1.6	1067480	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.44	109.4	Lg	08:27:41.996	-0.4					T__				---		1067485	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
KECS	0.44	61.2	Pg	08:27:34.930	0.2					T__		404.6		---	ML	2.1	1067481	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.44	61.2	Lg	08:27:41.466	-0.1					T__				---		1067484	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=0)																									
JOS	0.48	61.9	Pg	08:27:35.569	0.2					T__		110.9		---	ML	1.7	1067482	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.48	61.9	Lg	08:27:42.872	0.1					T__				---		1067483	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
ABAH	0.89	87.9	Lg	08:27:56.711	-0.8					T__				---		1067486	FDSN	HU	--	BUD	iLoc	HHN	???	_	
NIE	1.18	12.7	Pn	08:27:49.170	0.6					T__		21.9		---	ML	1.5	1067488	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	1.18	12.7	Lg	08:28:04.544	-0.6					T__				---		1067487	FDSN	PL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/13	09:00:03.37	0.98	0.62	48.4083	17.2961	7.2	3.0	108	0.0f	11	7	171	0.04	1.07	sx	BUD	19003028	BUD				226

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.4	3 BUD	19003028

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
MODS	0.04	199.8	Pg	09:00:04.729	-0.1					T__						1067521	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.04	199.8	Lg	09:00:06.034	-0.3					T__						1067524	FDSN	SK	--	BUD	iLoc	HHN	???	_
ZST	0.25	211.4	Lg	09:00:12.580	-0.6					T__						1067523	FDSN	SK	--	BUD	iLoc	HHN	???	_
JAVC	0.52	28.7	Pg	09:00:14.397	0.2					T__		129.2				1067526	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.52	28.7	Lg	09:00:22.248	-0.3					T__						1067525	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1)																								
(Station ML: 1.8 magdef=1)																								
KRUC	0.89	318.0	Pg	09:00:20.167	-0.2					T__		38.6				1067527	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	0.89	318.0	Lg	09:00:32.410	-1.0					T__						1067528	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1)																								
(Station ML: 1.6 magdef=1)																								
RONA	0.98	223.8	Pg	09:00:23.152	0.4					T__						1067522	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.98	223.8	Lg	09:00:35.660	0.2					T__						1067529	FDSN	OE	--	BUD	iLoc	HHN	???	_
VRAC	1.01	333.0	Pg	09:00:22.967	0.4					T__		10.2				1067530	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.1 magdef=1)																								
(Station ML: 1.1 magdef=1)																								
CONA	1.07	244.0	Lg	09:00:39.435	1.0					T__						1067531	FDSN	OE	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/13	09:50:15.44	0.95	0.83	48.4343	19.1251	7.6	3.9	30	0.0f	14	8	151	0.62	1.23	sx	BUD	19003030	BUD				177

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.0	7 BUD	19003030

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
HU03A	0.62	148.9	Pg	09:50:29.249	0.8					T__		82.4				1067586	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.62	148.9	Lg	09:50:37.795	0.0					T__						1067587	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1)																								
(Station ML: 1.8 magdef=1)																								
PSZ	0.73	134.8	Pg	09:50:30.529	-0.4					T__		46.3				1067583	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.73	134.8	Lg	09:50:40.462	-1.6					T__						1067584	FDSN	GE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1)																								
(Station ML: 1.6 magdef=1)																								
ET1H	0.75	137.8	Pg	09:50:32.282	1.1					T__		30.7				1067585	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.75	137.8	Lg	09:50:41.521	-0.8					T__						1067588	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.4 magdef=1)																								
(Station ML: 1.4 magdef=0)																								
KECS	0.91	86.4	Pg	09:50:34.473	1.0					T__		132.3				1067581	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Reading ML: 2.1 magdef=1)																								
(Station ML: 2.1 magdef=0)																								
JOS	0.94	85.7	Pg	09:50:34.108	-0.0					T__		33.3				1067582	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.94	85.7	Lg	09:50:48.314	0.1					T__						1067589	FDSN	Z6	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.5 magdef=1)																								
(Station ML: 1.5 magdef=1)																								
HU02A	0.99	107.9	Pn	09:50:35.276	-0.3					T__		50.8				1067580	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_



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HU02A  0.99 107.9 Lg      09:50:49.628 -0.9      T__      ---      1067590  FDSN Z6      00 BUD  iLoc  HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
JAVC   1.05 294.3 Pg      09:50:36.989  0.1      T__      44.9     --- ML    1.7 1067592  FDSN CZ      -- BUD  iLoc  HHZ HHZ _
JAVC   1.05 294.3 Lg      09:50:52.473 -0.4      T__      ---      1067591  FDSN CZ      -- BUD  iLoc  HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
MODS   1.23 267.9 Sn      09:50:57.813 -0.2      T__      ---      1067593  FDSN SK      -- BUD  iLoc  HHN ??? _

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Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef  Nsta Gap  mdist  Mdist Qual  Author      OrigID  Rep  DPdep  Err Sgp
2023/06/13 09:57:30.99  1.65  0.74  48.3192  19.8679  12.7  3.9 127  0.0f      10  6 224  0.40  0.48  sx BUD      19003032  BUD      248

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Magnitude  Err Nsta Author      OrigID
ML         1.3 0.2   4 BUD      19003032

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Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
PSZ  0.40 177.5 Pg      09:57:40.444  0.6      T__      ---      1067631  FDSN GE      -- BUD  iLoc  HHZ HHZ _
PSZ  0.40 177.5 Lg      09:57:46.177 -0.3      T__      ---      1067633  FDSN GE      -- BUD  iLoc  HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
ET1H 0.44 179.7 Lg      09:57:47.090 -0.3      T__      ---      1067635  FDSN HU      -- BUD  iLoc  HHN ??? _
KECS 0.44 68.0 Pg      09:57:40.581  0.6      T__      140.2    --- ML    1.7 1067629  FDSN SK      -- BUD  iLoc  EHZ EHZ _
KECS 0.44 68.0 Lg      09:57:45.949 -0.9      T__      ---      1067632  FDSN SK      -- BUD  iLoc  EHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
HU03A 0.45 203.5 Lg      09:57:46.525 -1.1      T__      ---      1067634  FDSN Z6      00 BUD  iLoc  HHN ??? _
JOS   0.48 68.2 Pg      09:57:41.055  0.4      T__      53.3     --- ML    1.4 1067628  FDSN Z6      -- BUD  iLoc  HHZ HHZ _
JOS   0.48 68.2 Lg      09:57:47.519 -0.6      T__      ---      1067636  FDSN Z6      -- BUD  iLoc  HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
HU02A 0.48 113.9 Pg      09:57:41.685  0.5      T__      30.7     --- ML    1.1 1067630  FDSN Z6      00 BUD  iLoc  HHZ HHZ _
HU02A 0.48 113.9 Lg      09:57:48.514 -0.5      T__      ---      1067637  FDSN Z6      00 BUD  iLoc  HHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=1

```

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Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef  Nsta Gap  mdist  Mdist Qual  Author      OrigID  Rep  DPdep  Err Sgp
2023/06/13 09:59:53.28  1.03  0.58  48.1807  16.9330  13.2  4.3 160  0.0f      6  3 168  0.11  0.76  sx BUD      19003034  BUD      327

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Magnitude  Err Nsta Author      OrigID

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Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
ZST  0.11 82.2 Pg      09:59:56.401  0.2      T__      ---      1067667  FDSN SK      -- BUD  iLoc  HHZ ??? _
ZST  0.11 82.2 Lg      09:59:58.299 -0.4      T__      ---      1067669  FDSN SK      -- BUD  iLoc  HHN ??? _
MODS 0.30 49.9 Pg      10:00:00.008  0.1      T__      ---      1067666  FDSN SK      -- BUD  iLoc  HHZ ??? _
MODS 0.30 49.9 Lg      10:00:05.102 -0.1      T__      ---      1067668  FDSN SK      -- BUD  iLoc  HHN ??? _
CONA 0.76 251.0 Pg      10:00:08.864  0.5      T__      20.2     --- ML    1.2 1067670  FDSN OE      -- BUD  iLoc  HHZ HHZ _
CONA 0.76 251.0 Lg      10:00:17.665 -0.7      T__      ---      1067671  FDSN OE      -- BUD  iLoc  HHE ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=0

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/14	06:40:16.30	1.44	0.70	48.0776	20.6961	9.0	5.4	135	0.0f	9	6	191	0.12	0.59	sx	BUD	19003038	BUD				264
2023/06/14	06:40:16.23	0.95	0.83	48.0471	20.6805f				0.0f	9	6	196	0.13	0.57	kx	BUD_GT	19003039	BUD_GT				264

(locality: Miskolc-Mexikóvölgy Hungary)

(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.3	3 BUD_GT	19003039

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU02A	0.13	305.8	Pg	06:40:19.248	-0.2					T__		788.9		---	ML	1.6	1069161	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.13	305.8	Lg	06:40:21.771	-0.5					T__				---		1069162	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
ABAH	0.45	56.1	Lg	06:40:31.873	-1.5					T__				---		1069160	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KECS	0.46	343.5	Lg	06:40:32.230	-0.4					T__				---		1069163	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	0.46	348.2	Lg	06:40:32.081	-0.6					T__				---		1069164	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
PSZ	0.54	256.6	Pg	06:40:29.318	1.3					T__		34.0		---	ML	1.3	1069157	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.54	256.6	Lg	06:40:36.515	-0.1					T__				---		1069158	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
ET1H	0.57	253.1	Pg	06:40:29.361	1.0					T__		18.2		---	ML	1.1	1069159	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.57	253.1	Lg	06:40:37.154	0.0					T__				---		1069165	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/14	08:10:03.43	2.88	1.14	47.3672	18.3944	20.7	7.1	134	0.0f	6	5	205	0.09	1.15	sx	BUD	19003040	BUD				219

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.09	267.5	Pg	08:10:06.100	0.2					T__		1851.6		---	ML	1.8	1069215	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.09	267.5	Lg	08:10:07.760	-0.6					T__				---		1069214	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=0)																									
HU09A	0.27	358.3	Lg	08:10:14.350	-0.1					T__				---		1069213	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU08A	0.33	281.5	Lg	08:10:16.390	0.1					T__				---		1069218	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ET1H	1.12	62.3	Sn	08:10:41.305	-1.3					T__				---		1069216	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	1.15	60.9	Sn	08:10:42.583	-1.3					T__				---		1069217	FDSN	GE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/14	08:21:37.03	1.34	0.86	48.8025	21.1741	8.0	7.1	172	0.0f	11	9	122	0.51	1.27	sx	BUD	19003042	BUD				204

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.2	4 BUD	19003042

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
ABAH	0.51	175.1	Lg	08:21:55.273	-0.6					T__				---		1069243	FDSN	HU	--	BUD	iLoc	HHN	???	_

JOS	0.52	234.1	Lg	08:21:55.113	-0.2	T__								1069248	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
KECS	0.56	235.3	Pg	08:21:48.204	0.0	T__	205.3							2.1	1069242	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.56	235.3	Lg	08:21:55.843	-0.8	T__									1069245	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Reading ML: 2.1 magdef=1)																							
(Station ML: 2.1 magdef=1)																							
KOLS	0.74	79.4	Lg	08:22:02.560	-0.5	T__									1069249	FDSN	SK	--	BUD	iLoc	HHN	???	_
HU02A	0.81	212.6	Pg	08:21:54.269	0.6	T__	71.5							1.8	1069250	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.8 magdef=1)																							
(Station ML: 1.8 magdef=1)																							
NIE	0.84	317.3	Lg	08:22:04.668	-0.3	T__									1069246	FDSN	PL	--	BUD	iLoc	BHN	???	_
TRPA	1.13	126.0	Lg	08:22:15.447	-0.6	T__									1069247	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	1.23	224.4	Pn	08:22:01.208	0.6	T__	36.0							1.7	1069244	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.7 magdef=1)																							
(Station ML: 1.7 magdef=1)																							
ET1H	1.27	223.7	Pn	08:22:02.672	1.7	T__	24.5							1.6	1069251	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	1.27	223.7	Sn	08:22:19.056	-0.8	T__									1069252	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1)																							
(Station ML: 1.6 magdef=1)																							

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/14	09:40:48.33	0.98	1.37	48.7268	18.7428	7.9	5.9	59	0.0f		12	11	136	0.72	1.33	sx	BUD	19003044	BUD			179

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.1	9 BUD	19003044

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JAVC	0.72	281.0	Pg	09:41:02.421	-0.7					T__		88.6			ML	1.8	1069295	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
HU10A	0.90	168.1	Lg	09:41:19.636	-1.2					T__						1069294	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
SRD	0.96	197.6	Pg	09:41:08.285	0.8					T__	651.5				ML	2.8	1069296	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Reading ML: 2.8 magdef=1)																									
(Station ML: 2.8 magdef=1)																									
HU03A	1.00	144.9	Pn	09:41:09.507	0.8					T__	370.2				ML	2.6	1069290	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.6 magdef=1)																									
(Station ML: 2.6 magdef=1)																									
MODS	1.04	250.6	Pg	09:41:09.570	0.4					T__						1069297	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
PSZ	1.12	136.0	Pn	09:41:11.495	1.0					T__	62.0				ML	1.9	1069288	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
ET1H	1.13	138.0	Pn	09:41:12.278	1.7					T__	42.4				ML	1.8	1069289	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=0)																									
KECS	1.18	101.2	Pn	09:41:12.978	1.8					T__	632.2				ML	3.0	1069292	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	1.18	101.2	Lg	09:41:26.903	-1.6					T__						1069298	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 3.0 magdef=1)																									
(Station ML: 3.0 magdef=0)																									
JOS	1.21	100.3	Pn	09:41:13.145	1.5					T__	47.6				ML	1.9	1069293	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
MORC	1.31	323.6	Pg	09:41:13.342	0.6					T__	47.2				ML	1.9	1069299	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1)																									

(Station ML: 1.9 magdef=1  
 HU02A 1.33 116.3 Pn 09:41:14.505 1.1 T\_\_ 36.1 \_\_\_ ML 1.8 1069291 FDSN Z6 00 BUD iLoc HHZ HHZ \_  
 (Reading ML: 1.8 magdef=1  
 (Station ML: 1.8 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/14	09:58:45.20	2.20	0.80	47.8522	20.1479	19.6	4.3	158	0.0f	9	7	219	0.18	0.86	sx	BUD	19003046	BUD				235

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.1	3 BUD	19003046

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.18	291.3	Pg	09:58:49.779	0.1					T__		700.8		___	ML	1.7	1069338	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.18	291.3	Lg	09:58:52.558	-0.8					T__				---		1069340	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=1																									
ET1H	0.19	278.3	Pg	09:58:49.907	0.3					T__		554.1		___	ML	1.6	1069336	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.19	278.3	Lg	09:58:53.016	-0.1					T__				---		1069337	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=1																									
HU02A	0.37	43.0	Lg	09:58:58.770	-0.8					T__				---		1069339	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU03A	0.37	278.2	Lg	09:58:59.173	-0.1					T__				---		1069341	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KECS	0.67	19.6	Pg	09:58:59.672	1.0					T__		202.8		___	ML	2.2	1069342	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Reading ML: 2.2 magdef=1 (Station ML: 2.2 magdef=1																									
JDS	0.70	22.0	Lg	09:59:09.686	-0.1					T__				---		1069343	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
ABAH	0.86	58.4	Lg	09:59:14.924	-1.2					T__				---		1069344	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/15	06:27:23.85	1.53	0.65	46.0676	22.9277	10.8	7.0	64	0.0f	8	5	147	0.19	1.02	sx	BUD	19003054	BUD				251

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.0	3 BUD	19003054

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DEV	0.19	185.3	Pg	06:27:27.338	-0.0					T__		456.2		___	ML	1.5	1071246	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.19	185.3	Lg	06:27:30.191	0.2					T__				---		1071250	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1 (Station ML: 1.5 magdef=1																									
GZR	0.68	189.0	Pg	06:27:36.962	0.0					T__		42.8		___	ML	1.5	1071247	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	0.68	189.0	Lg	06:27:46.373	-0.3					T__				---		1071251	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1 (Station ML: 1.5 magdef=1																									
DRGR	0.74	348.4	Lg	06:27:50.274	-0.4					T__				---		1071252	FDSN	RO	--	BUD	iLoc	HHN	???	_	
LOT	0.86	136.1	Lg	06:27:53.065	0.3					T__				---		1071253	FDSN	RO	--	BUD	iLoc	HHN	???	_	
BZS	1.02	244.3	Pg	06:27:44.486	0.8					T__		24.2		___	ML	1.5	1071249	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	1.02	244.3	Lg	06:27:57.005	-1.1					T__				---		1071248	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1 (Station ML: 1.5 magdef=1																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/15	07:21:18.74	1.02	1.02	46.0620	22.8440	7.6	4.3	77	0.0f		10	5	140	0.18	0.97	sx	BUD	19003056	BUD			250

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.2	5 BUD	19003056

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DEV	0.18	166.9	Pg	07:21:22.015	-0.2					T__		1405.5		___	ML	2.0	1071281	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.18	166.9	Lg	07:21:24.634	-0.2					T__				---		1071282	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1 Station ML: 2.0 magdef=0)																									
GZR	0.67	184.1	Pg	07:21:31.745	0.1					T__		84.9		___	ML	1.8	1071284	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	0.67	184.1	Lg	07:21:41.156	0.0					T__				---		1071283	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=1)																									
DRGR	0.74	352.9	Pg	07:21:34.002	0.4					T__		54.8		___	ML	1.6	1071289	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	0.74	352.9	Lg	07:21:43.115	-2.4					T__				---		1071290	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1 Station ML: 1.6 magdef=1)																									
LOT	0.89	133.1	Pg	07:21:36.685	0.8					T__		85.3		___	ML	1.9	1071285	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
LOT	0.89	133.1	Lg	07:21:49.119	0.2					T__				---		1071286	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=1)																									
BZS	0.97	243.0	Pg	07:21:38.261	0.7					T__		25.4		___	ML	1.4	1071288	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.97	243.0	Lg	07:21:50.610	-0.6					T__				---		1071287	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1 Station ML: 1.4 magdef=0)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/15	07:33:17.79	1.80	1.17	47.8131	19.7759	16.8	5.3	168	0.0f		7	5	229	0.09	0.85	sx	BUD	19003058	BUD			263

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ET1H	0.09	44.2	Pg	07:33:20.908	0.6					T__		119.6		___	ML	0.6	1071341	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.09	44.2	Lg	07:33:21.951	-0.5					T__				---		1071343	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.6 magdef=1 Station ML: 0.6 magdef=1)																									
PSZ	0.13	37.1	Pg	07:33:21.738	0.5					T__		92.9		___	ML	0.6	1071344	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.13	37.1	Lg	07:33:23.442	-0.8					T__				---		1071345	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.6 magdef=1 Station ML: 0.6 magdef=1)																									
HU03A	0.15	307.5	Lg	07:33:24.719	0.5					T__				---		1071346	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU10A	0.51	273.9	Lg	07:33:35.581	-1.4					T__				---		1071347	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
JOS	0.85	36.5	Lg	07:33:46.415	-1.3					T__				---		1071342	FDSN	Z6	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/15	08:11:14.85	1.00	0.84	48.4107	19.1565	5.1	3.9	149	0.0f		19	13	101	0.57	1.28	sx	BUD	19003060	BUD			149

Magnitude Err Nsta Author OrigID  
ML 1.7 0.1 6 BUD 19003060

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
HU10A	0.57	189.3	Pg	08:11:27.338	0.6					T__		178.5		___	ML	2.1 1071387	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU10A	0.57	189.3	Lg	08:11:36.068	0.1					T__				---		1071391	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.1 magdef=1 (Station ML: 2.1 magdef=1)																								
HU03A	0.59	149.5	Pg	08:11:26.231	-1.0					T__		70.8		___	ML	1.7 1071385	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.59	149.5	Lg	08:11:37.090	1.0					T__				---		1071392	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=1)																								
PSZ	0.70	134.6	Pg	08:11:30.308	0.6					T__		57.9		___	ML	1.7 1071384	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.70	134.6	Lg	08:11:39.889	-0.5					T__				---		1071393	FDSN	GE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=1)																								
ET1H	0.72	137.8	Lg	08:11:40.781	0.2					T__				---		1071394	FDSN	HU	--	BUD	iLoc	HHN	???	_
SR0	0.82	223.7	Lg	08:11:44.219	-0.5					T__				---		1071395	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.89	84.8	Pg	08:11:32.799	0.3					T__		268.3		___	ML	2.4 1071388	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.89	84.8	Lg	08:11:45.872	0.1					T__				---		1071396	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Reading ML: 2.4 magdef=1 (Station ML: 2.4 magdef=0)																								
JOS	0.92	84.2	Pg	08:11:33.310	0.1					T__		40.4		___	ML	1.6 1071390	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.92	84.2	Lg	08:11:46.533	-0.5					T__				---		1071389	FDSN	Z6	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=0)																								
HU02A	0.96	107.0	Pg	08:11:34.407	-0.2					T__		55.1		___	ML	1.8 1071386	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.96	107.0	Lg	08:11:47.650	-1.5					T__				---		1071397	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1 (Station ML: 1.8 magdef=1)																								
JAVC	1.08	295.0	Lg	08:11:52.632	-0.6					T__				---		1071398	FDSN	CZ	--	BUD	iLoc	HHN	???	_
CSKK	1.21	210.2	Sn	08:11:57.138	0.7					T__				---		1071399	FDSN	HU	--	BUD	iLoc	HHN	???	_
MODS	1.25	269.0	Sn	08:11:56.661	-1.3					T__				---		1071400	FDSN	SK	--	BUD	iLoc	HHN	???	_
NIE	1.26	36.4	Lg	08:11:57.748	1.0					T__				---		1071401	FDSN	PL	--	BUD	iLoc	BHN	???	_
HU08A	1.28	220.7	Sn	08:11:59.601	1.5					T__				---		1071402	FDSN	Z6	00	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/15	08:20:50.47	2.52	1.03	48.6814	21.4612	16.1	7.8	34	0.0f		11	6	233	0.41	1.30	sx	BUD	19003062	BUD			307

Magnitude Err Nsta Author OrigID  
ML 1.5 0.0 5 BUD 19003062

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
ABAH	0.41	201.0	Pg	08:20:59.143	0.2					T__		107.1		___	ML	1.5 1071441	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.41	201.0	Lg	08:21:05.361	-0.7					T__				---		1071442	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.5 magdef=1 (Station ML: 1.5 magdef=1)																								
JOS	0.64	253.5	Pg	08:21:03.694	0.5					T__		26.1		___	ML	1.3 1071440	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.64	253.5	Lg	08:21:13.392	0.5					T__				---		1071443	FDSN	Z6	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.3 magdef=1 (Station ML: 1.3 magdef=0)																								
KECS	0.68	253.3	Pg	08:21:02.853	-1.1					T__		167.3		___	ML	2.1 1071439	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_

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KECS  0.68 253.3 Lg      08:21:14.680  0.5      T__          ---          1071444  FDSN SK      -- BUD  iLoc  EHN ??? _
(Reading ML:  2.1 magdef=1
(Station ML:  2.1 magdef=0
HU02A  0.84 228.5 Pg      08:21:07.814  0.1      T__          31.7      --- ML      1.5 1071438  FDSN Z6      00 BUD  iLoc  HHZ HHZ _
HU02A  0.84 228.5 Lg      08:21:19.556 -1.1      T__          ---          1071445  FDSN Z6      00 BUD  iLoc  HHN ??? _
(Reading ML:  1.5 magdef=1
(Station ML:  1.5 magdef=1
TRPA  0.91 127.1 Lg      08:21:21.778 -0.9      T__          ---          1071446  FDSN HU      -- BUD  iLoc  HHN ??? _
PSZ   1.30 234.5 Pn      08:21:16.863  1.9      T__          29.4      --- ML      1.7 1071437  FDSN GE      -- BUD  iLoc  HHZ HHZ _
PSZ   1.30 234.5 Sn      08:21:34.822  0.4      T__          ---          1071447  FDSN GE      -- BUD  iLoc  HHN ??? _
(Reading ML:  1.7 magdef=1
(Station ML:  1.7 magdef=1

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Date      Time      Err  RMS Latitude Longitude Smaj Smin Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author      OrigID  Rep  DPdep  Err Sgp
2023/06/15 09:41:34.77  1.83  1.11 45.7420  18.4375  12.6  7.6 132  0.0f      5  4 205  0.42  1.73  sx BUD      19003064  BUD          259

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Magnitude Err Nsta Author OrigID

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Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh  ACh L
KOVH  0.42 325.9 Pg      09:41:44.053  0.3      T__          35.8      --- ML      1.0 1071490  FDSN HU      -- BUD  iLoc  HHZ HHZ _
KOVH  0.42 325.9 Lg      09:41:49.376 -0.8      T__          ---          1071491  FDSN HU      -- BUD  iLoc  HHN ??? _
(Reading ML:  1.0 magdef=1
(Station ML:  1.0 magdef=1
MORH  0.49  16.8 Pg      09:41:45.207  0.1      T__          26.6      --- ML      1.1 1071492  FDSN HU      -- BUD  iLoc  HHZ HHZ _
(Reading ML:  1.1 magdef=1
(Station ML:  1.1 magdef=1
BLY   1.33 222.2 Lg      09:42:16.783 -0.6      T__          ---          1071493  FDSN MN      -- BUD  iLoc  HHN ??? _
PTJ   1.73 276.3 Lg      09:42:32.998  1.1      T__          ---          1071494  FDSN CR      -- BUD  iLoc  BHN ??? _

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Date      Time      Err  RMS Latitude Longitude Smaj Smin Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author      OrigID  Rep  DPdep  Err Sgp
2023/06/15 09:47:21.47  0.96  1.38 47.5349  18.4674  4.9  3.5 104  0.0f      10  8 121  0.12  1.16  sx BUD      19003066  BUD          149
2023/06/15 09:47:21.54  0.92  1.19 47.5600  18.4573f      0.0f      10  8 113  0.09  1.14  kx BUD_GT  19003067  BUD_GT          143
(locality: Tatabánya Hungary)
(GT info : GT2 explosion)

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Magnitude Err Nsta Author OrigID

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Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh  ACh L
HU09A  0.09 327.2 Pg      09:47:25.129  1.2      T__          1965.6      --- ML      1.9 1071518  FDSN Z6      00 BUD  iLoc  HHZ HHZ _
HU09A  0.09 327.2 Lg      09:47:26.321 -0.0      T__          ---          1071517  FDSN Z6      00 BUD  iLoc  HHN ??? _
(Reading ML:  1.9 magdef=1
(Station ML:  1.9 magdef=0
CSKK  0.24 214.2 Pg      09:47:27.173  0.4      T__          252.0      --- ML      1.4 1071519  FDSN HU      -- BUD  iLoc  HHZ HHZ _
CSKK  0.24 214.2 Lg      09:47:29.557 -1.9      T__          ---          1071520  FDSN HU      -- BUD  iLoc  HHN ??? _
(Reading ML:  1.4 magdef=1
(Station ML:  1.4 magdef=0
SRD   0.27 339.1 Lg      09:47:32.453 -0.0      T__          ---          1071521  FDSN SK      -- BUD  iLoc  EHN ??? _
BUD   0.39 101.0 Lg      09:47:35.860 -0.9      T__          ---          1071522  FDSN HU      -- BUD  iLoc  HHN ??? _
MPLH  0.74 238.3 Lg      09:47:46.676 -0.8      T__          ---          1071523  FDSN HU      -- BUD  iLoc  HHN ??? _
ET1H  1.01  71.0 Lg      09:47:56.811 -0.7      T__          ---          1071524  FDSN HU      -- BUD  iLoc  HHN ??? _

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PSZ	1.03	69.2	Lg	09:47:57.407	-1.5	T__	---	1071525	FDSN	GE	--	BUD	iLoc	HHE	???	_
MODS	1.14	316.2	Sn	09:47:59.792	-1.8	T__	---	1071526	FDSN	SK	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/15	12:59:12.40	1.16	1.54	48.9369	21.3006	8.9	5.9	137	0.0f	7	6	143	0.64	0.96	sx	BUD	19003068	BUD				236

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOLS	0.64	90.0	Pg	12:59:24.838	0.1					T__						1071572	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
ABAH	0.64	183.6	Pg	12:59:26.491	1.3					T__	50.4			---	ML	1.6	1071569	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.64	183.6	Lg	12:59:34.377	-1.5					T__				---		1071570	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=0)																									
JOS	0.67	229.1	Lg	12:59:34.122	-1.6					T__				---		1071571	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
KECS	0.71	230.2	Lg	12:59:35.569	-1.4					T__				---		1071573	FDSN	SK	--	BUD	iLoc	EHN	???	_	
NIE	0.81	306.6	Lg	12:59:39.572	0.2					T__				---		1071574	FDSN	PL	--	BUD	iLoc	BHN	???	_	
HUO2A	0.96	212.6	Lg	12:59:45.449	-1.0					T__				---		1071575	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/06/16	02:05:33.74	0.97	0.90	47.6893	16.0265	5.2	4.8	6	10.0f	6	3	131	0.18	0.56	ke	BUD	19003076	BUD					248

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.18	86.6	Pg	02:05:38.261	0.2					T__				---		1072838	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.18	86.6	Lg	02:05:40.773	-0.2					T__				---		1072841	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.26	335.2	Pg	02:05:40.177	0.7					T__	22.1			---	ML	0.4	1072836	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.26	335.2	Lg	02:05:42.093	-1.3					T__				---		1072837	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.4 magdef=1)																									
(Station ML: 0.4 magdef=0)																									
ARSA	0.56	218.1	Pg	02:05:44.840	0.2					T__	27.6			---	ML	1.3	1072840	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
ARSA	0.56	218.1	Lg	02:05:51.525	-0.3					T__				---		1072839	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=0)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/06/16	07:57:34.85	2.23	0.42	48.5768	20.8190	14.9	6.3	18	0.0f	10	6	247	0.20	0.94	sx	BUD	19003078	BUD					316

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.1	5 BUD	19003078

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.20	246.5	Pg	07:57:39.208	0.1					T__	131.3			---	ML	1.0	1073059	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.20	246.5	Lg	07:57:42.743	0.3					T__				---		1073060	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=0)																									
KECS	0.24	247.2	Pg	07:57:39.783	-0.1					T__	730.2			---	ML	1.8	1073062	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.24	247.2	Lg	07:57:43.509	-0.2					T__				---		1073061	FDSN	SK	--	BUD	iLoc	EHN	???	_	



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(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=0
ABAH 0.40 134.9 Lg 07:57:49.787 -0.2 T__ --- 1073066 FDSN HU -- BUD iLoc HHN ??? _
HU02A 0.50 203.4 Pg 07:57:45.425 0.1 T__ 23.9 --- ML 1.1 1073063 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.50 203.4 Lg 07:57:53.537 0.2 T__ --- 1073067 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=1
PSZ 0.90 223.5 Pn 07:57:53.548 -0.3 T__ 27.4 --- ML 1.4 1073064 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.90 223.5 Lg 07:58:06.706 -0.7 T__ --- 1073068 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
ET1H 0.94 222.6 Pn 07:57:54.826 0.6 T__ 23.6 --- ML 1.4 1073065 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/06/16 08:34:04.19 1.04 0.89 48.0030 20.3591 8.5 4.1 133 0.0f 8 7 128 0.16 0.66 sx BUD 19003080 BUD 186
2023/06/16 08:34:03.67 0.99 1.37 47.9590 20.3545f 0.0f 8 7 132 0.20 0.68 kx BUD_GT 19003081 BUD_GT 196
(locality: Eger-III Hungary)
(GT info : GT2 explosion)

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Magnitude Err Nsta Author OrigID
19003081

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU02A 0.20 35.0 Pg 08:34:08.080 -0.2 T__ 302.5 --- ML 1.3 1073534 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.20 35.0 Lg 08:34:10.592 -1.6 T__ --- 1073540 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=0
PSZ 0.31 262.7 Lg 08:34:16.713 0.5 T__ --- 1073541 FDSN GE -- BUD iLoc HHN ??? _
HU23A 0.33 192.5 Lg 08:34:19.447 3.0 T__ --- 1073538 FDSN Z6 00 BUD iLoc HHN ??? _
ET1H 0.33 256.4 Lg 08:34:17.083 0.5 T__ --- 1073539 FDSN HU -- BUD iLoc HHN ??? _
KECS 0.53 9.4 Lg 08:34:22.377 -0.3 T__ --- 1073535 FDSN SK -- BUD iLoc EHN ??? _
JOS 0.55 12.9 Lg 08:34:23.229 -0.1 T__ --- 1073536 FDSN Z6 -- BUD iLoc HHN ??? _
ABAH 0.68 60.0 Lg 08:34:27.729 -1.1 T__ --- 1073537 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/06/16 08:49:12.56 3.73 1.58 47.2411 16.4813 25.6 7.6 125 0.0f 8 5 246 0.48 1.82 sx BUD 19003082 BUD 303

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
RONA 0.48 344.8 Pg 08:49:22.092 -0.2 T__ --- 1073562 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.48 344.8 Lg 08:49:27.585 -1.3 T__ --- 1073561 FDSN OE -- BUD iLoc HHN ??? _
ARSA 0.65 271.2 Pg 08:49:26.234 1.0 T__ 46.9 --- ML 1.5 1073563 FDSN OE -- BUD iLoc HHZ HHZ _
ARSA 0.65 271.2 Lg 08:49:31.557 -1.9 T__ --- 1073564 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
CONA 0.81 328.8 Pg 08:49:28.993 0.4 T__ 35.1 --- ML 1.5 1073566 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.81 328.8 Lg 08:49:41.235 2.1 T__ --- 1073560 FDSN OE -- BUD iLoc HHN ??? _

```

```

(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
MODS 1.25 25.0 Sn 08:49:55.538 0.7 T__ --- 1073567 FDSN SK -- BUD iLoc HHN ??? _
KRUC 1.82 358.2 Sn 08:50:09.322 0.9 T__ --- 1073565 FDSN CZ -- BUD iLoc HHE ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/06/16 09:04:19.99 1.18 0.27 47.9572 16.0617 8.6 4.6 23 0.0f 5 3 137 0.14 1.13 sx BUD 19003084 BUD 250

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Magnitude Err Nsta Author OrigID

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```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CONA 0.14 257.9 Pg 09:04:22.995 0.0 T__ 126.0 --- ML 0.8 1073610 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.14 257.9 Lg 09:04:24.996 -0.1 T__ --- 1073611 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 0.8 magdef=1
(Station ML: 0.8 magdef=0
RONA 0.30 148.4 Pg 09:04:26.103 -0.2 T__ --- 1073613 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.30 148.4 Lg 09:04:30.872 0.3 T__ --- 1073612 FDSN OE -- BUD iLoc HHN ??? _
KRUC 1.13 11.2 Lg 09:04:58.339 0.1 T__ --- 1073614 FDSN CZ -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/06/16 10:33:06.41 1.00 1.25 48.7680 21.6265 9.0 3.9 151 0.0f 13 9 149 0.46 1.47 sx BUD 19003086 BUD 178

```

```

Magnitude Err Nsta Author OrigID
ML 1.8 0.1 5 BUD 19003086

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```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
KOLS 0.46 68.6 Pg 10:33:15.434 0.1 T__ --- 1073671 FDSN SK -- BUD iLoc HHZ ??? _
KOLS 0.46 68.6 Lg 10:33:21.822 -1.2 T__ --- 1073672 FDSN SK -- BUD iLoc HHN ??? _
ABAH 0.54 208.7 Pg 10:33:17.259 0.0 T__ 94.3 --- ML 1.8 1073664 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.54 208.7 Lg 10:33:26.286 -0.0 T__ --- 1073663 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
JOS 0.77 249.7 Pg 10:33:22.347 0.7 T__ 90.8 --- ML 1.9 1073666 FDSN Z6 -- BUD iLoc HHZ HHZ _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
KECS 0.81 249.8 Pg 10:33:23.114 0.6 T__ 157.8 --- ML 2.1 1073667 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.81 249.8 Lg 10:33:33.234 -1.3 T__ --- 1073673 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=0
TRPA 0.88 136.1 Pg 10:33:24.413 0.9 T__ 54.2 --- ML 1.7 1073665 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=0
HU02A 0.98 229.0 Pn 10:33:25.626 -0.8 T__ 48.9 --- ML 1.7 1073668 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.98 229.0 Lg 10:33:39.509 -1.7 T__ --- 1073670 FDSN Z6 00 BUD iLoc HHE ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
KWP 1.12 39.0 Lg 10:33:45.157 1.3 T__ --- 1073674 FDSN PL -- BUD iLoc HHN ??? _
PSZ 1.43 234.3 Sn 10:33:56.229 2.4 T__ --- 1073675 FDSN GE -- BUD iLoc HHN ??? _
ET1H 1.47 233.4 Sn 10:33:53.838 -0.4 T__ --- 1073669 FDSN HU -- BUD iLoc HHN ??? _

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/17	08:00:49.42	1.07	1.26	46.1324	18.3201	11.4	3.7	160	0.0f	5	3	184	0.16	0.40	sx	BUD	19003094	BUD				284

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOVH	0.16	254.0	Pg	08:00:53.499	0.2					T__		405.3		---	ML	1.4	1079313	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.16	254.0	Lg	08:00:56.133	-0.2					T__				---		1079314	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
MORH	0.24	69.7	Pg	08:00:55.435	0.7					T__		168.4		---	ML	1.2	1079312	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.24	69.7	Lg	08:00:57.519	-1.6					T__				---		1079316	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
A266A	0.40	354.4	Lg	08:01:04.021	-0.3					T__				---		1079315	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/06/18	11:38:20.78	2.16	1.85	46.0743	21.5761	26.5	13.4	99	15.0f	7	5	125	0.46	1.66	ke	BUD	19003098	BUD					230

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BZS	0.46	176.4	Pg	11:38:29.963	-0.1					T__		118.9		---	ML	1.6	1083647	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.46	176.4	Lg	11:38:36.646	0.0					T__				---		1083648	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
DRGR	1.06	47.2	Pn	11:38:40.389	0.1					T__		61.1		---	ML	1.9	1083645	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	1.06	47.2	Sn	11:38:53.737	-1.8					T__				---		1083646	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
GZR	1.08	128.6	Sn	11:38:56.585	0.6					T__				---		1083649	FDSN	RO	--	BUD	iLoc	HHN	???	_	
HU21A	1.31	282.1	Sn	11:39:01.584	1.0					T__				---		1083650	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
LOT	1.66	111.4	Sn	11:39:13.337	3.0					T__				---		1083651	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/06/19	07:34:00.41	1.93	0.69	48.0335	20.6662	11.5	6.9	151	0.0f	6	5	202	0.13	0.53	sx	BUD	19003108	BUD					268
2023/06/19	07:34:00.51	1.02	0.62	48.0471	20.6805f				0.0f	6	5	200	0.13	0.54	kx	BUD_GT	19003109	BUD_GT					268

(locality: Miskolc-Mexikóvölgy Hungary)  
(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID  
19003109

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU02A	0.13	305.8	Pg	07:34:03.962	0.2					T__		221.5		---	ML	1.0	1090648	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.13	305.8	Lg	07:34:06.171	-0.4					T__				---		1090649	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=0)																									
ABAH	0.45	56.1	Lg	07:34:17.737	0.1					T__				---		1090646	FDSN	HU	--	BUD	iLoc	HHN	???	_	

KECS	0.46	343.5	Lg	07:34:17.417	0.5	T__	---	1090647	FDSN	SK	--	BUD	iLoc	EHN	???	_
JOS	0.46	348.2	Lg	07:34:16.385	-0.6	T__	---	1090650	FDSN	Z6	--	BUD	iLoc	HHN	???	_
PSZ	0.54	256.6	Lg	07:34:19.874	-1.1	T__	---	1090651	FDSN	GE	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/19	08:12:22.28	1.13	0.49	47.8911	16.0873	9.5	4.1	36	0.0f	7	4	133	0.16	1.19	sx	BUD	19003110	BUD			219	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.16	283.9	Pg	08:12:25.571	-0.1					T__		157.3		---	ML	0.9	1090704	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.16	283.9	Lg	08:12:27.806	-0.2					T__				---		1090707	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
RONA	0.24	143.6	Pg	08:12:27.402	0.1					T__				---		1090705	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.24	143.6	Lg	08:12:30.234	-0.6					T__				---		1090708	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.75	211.0	Lg	08:12:46.661	0.5					T__				---		1090709	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.19	9.8	Pg	08:12:45.594	0.5					T__		20.6		---	ML	1.5	1090710	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.19	9.8	Sn	08:13:02.704	0.2					T__				---		1090706	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/19	08:23:07.16	0.88	0.42	48.5327	20.7539	6.0	3.4	6	0.0f	14	8	86	0.15	1.08	sx	BUD	19003112	BUD			172	

Magnitude Err Nsta Author OrigID  
ML 1.3 0.1 5 BUD 19003112

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.15	255.6	Pg	08:23:10.145	-0.2					T__		387.8		---	ML	1.3	1090740	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.15	255.6	Lg	08:23:12.828	-0.0					T__				---		1090746	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
KECS	0.19	254.6	Pg	08:23:10.677	-0.4					T__		714.4		---	ML	1.7	1090742	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.19	254.6	Lg	08:23:14.254	0.1					T__				---		1090741	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=0)																									
ABAH	0.40	126.0	Pg	08:23:15.138	-0.3					T__		56.0		---	ML	1.2	1090749	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.40	126.0	Pb	08:23:15.840	0.4					T__				---		1090748	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
ABAH	0.40	126.0	Lg	08:23:21.994	-0.4					T__				---		1090747	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
HU02A	0.44	200.5	Pg	08:23:16.362	-0.1					T__		34.4		---	ML	1.1	1090743	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.44	200.5	Lg	08:23:23.963	0.3					T__				---		1090744	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=0)																									
PSZ	0.84	223.4	Lg	08:23:37.151	-0.5					T__				---		1090745	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	0.88	222.4	Pn	08:23:25.693	0.0					T__		18.6		---	ML	1.3	1090750	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.88	222.4	Lg	08:23:38.723	0.2					T__				---		1090751	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									

(Station ML: 1.3 magdef=1

NIE	0.94	341.5	Lg	08:23:38.573	0.4					T__					1090752	FDSN	PL	--	BUD	iLoc	BHN	???	_
KOLS	1.08	67.7	Lg	08:23:43.640	-0.9					T__					1090753	FDSN	SK	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/19	08:37:17.96	1.48	1.56	48.4951	17.5950	12.5	3.6	120	0.0f		8	5	220	0.24	1.18	sx	BUD	19003114	BUD			281

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
MODS	0.24	240.2	Pg	08:37:22.696	-0.7					T__						1090780	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.24	240.2	Lg	08:37:26.444	-1.4					T__						1090781	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.37	7.8	Pg	08:37:26.103	0.2					T__		80.3			ML	1.2	1090782	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.37	7.8	Lg	08:37:30.489	-1.6					T__						1090784	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.2 magdef=1

(Station ML: 1.2 magdef=1

ZST	0.44	227.9	Lg	08:37:34.883	0.5					T__						1090785	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KRUC	0.98	306.0	Pg	08:37:37.203	0.6					T__		17.6			ML	1.3	1090786	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	0.98	306.0	Lg	08:37:51.483	0.5					T__						1090783	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.3 magdef=1

(Station ML: 1.3 magdef=1

RONA	1.18	228.0	Lg	08:37:59.107	2.5					T__						1090787	FDSN	OE	--	BUD	iLoc	HHN	???	_
------	------	-------	----	--------------	-----	--	--	--	--	-----	--	--	--	--	--	---------	------	----	----	-----	------	-----	-----	---

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/19	10:00:02.68	1.49	0.48	48.0630	17.0848	15.9	3.5	128	0.0f		9	5	210	0.13	1.33	sx	BUD	19003116	BUD			227

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ZST	0.13	5.1	Pg	10:00:06.483	0.5					T__						1090813	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
ZST	0.13	5.1	Lg	10:00:08.655	-0.1					T__						1090812	FDSN	SK	--	BUD	iLoc	HHN	???	_	
MODS	0.34	22.4	Pg	10:00:10.036	0.0					T__						1090814	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.34	22.4	Lg	10:00:14.997	-0.8					T__						1090815	FDSN	SK	--	BUD	iLoc	HHN	???	_	
RONA	0.64	235.9	Pg	10:00:15.862	0.3					T__						1090810	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.64	235.9	Lg	10:00:24.123	-0.0					T__						1090809	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.83	261.1	Pg	10:00:18.640	-0.5					T__		19.8			ML	1.3	1090808	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.83	261.1	Lg	10:00:29.914	-0.1					T__						1090816	FDSN	OE	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.3 magdef=1

(Station ML: 1.3 magdef=0

ARSA	1.33	233.0	Lg	10:00:45.223	0.1					T__						1090811	FDSN	OE	--	BUD	iLoc	HHN	???	_
------	------	-------	----	--------------	-----	--	--	--	--	-----	--	--	--	--	--	---------	------	----	----	-----	------	-----	-----	---

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/20	08:13:30.92	1.92	1.36	48.4620	17.5873	16.8	4.0	127	0.0f		6	4	237	0.22	1.27	sx	BUD	19003124	BUD			298

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
MODS	0.22	246.9	Pg	08:13:35.605	-0.4					T__						1094092	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.22	246.9	Lg	08:13:39.622	-0.5					T__						1094093	FDSN	SK	--	BUD	iLoc	HHN	???	_

JAVC	0.40	7.9	Pg	08:13:39.732	0.2	T__	67.1	___	ML	1.2	1094094	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.40	7.9	Lg	08:13:45.246	-0.9	T__		---			1094095	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.2 magdef=1)																			
(Station ML: 1.2 magdef=0)																			
KRUC	0.99	307.7	Lg	08:14:04.670	0.2	T__		---			1094096	FDSN	CZ	--	BUD	iLoc	HHN	???	_
CONA	1.27	245.8	Lg	08:14:14.377	2.0	T__		---			1094097	FDSN	OE	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/20	08:22:08.96	3.86	0.64	48.7971	20.6960	22.8	12.3	176	0.0f		7	5	292	0.32	1.07	sx	BUD	19003126	BUD			338

Magnitude	Err	Nsta	Author	OrigID
ML	1.1	0.1	3 BUD	19003126

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.32	199.1	Pg	08:22:15.520	0.1					T__		57.8		___	ML	0.9	1094118	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.32	199.1	Lg	08:22:20.742	0.3					T__				---		1094117	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
KECS	0.34	204.0	Pg	08:22:15.648	-0.3					T__		75.4		___	ML	1.1	1094119	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
ABAH	0.62	144.0	Lg	08:22:31.040	-0.6					T__				---		1094116	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU02A	0.68	189.6	Pg	08:22:24.047	0.9					T__		22.1		___	ML	1.2	1094120	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.68	189.6	Lg	08:22:33.341	-0.5					T__				---		1094121	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
ET1H	1.07	211.2	Lg	08:22:46.524	-0.2					T__				---		1094122	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/20	08:37:49.40	1.76	1.04	48.5238	20.8013	11.4	5.4	27	0.0f		8	5	226	0.18	0.90	sx	BUD	19003128	BUD			303

Magnitude	Err	Nsta	Author	OrigID
ML	1.0	0.2	3 BUD	19003128

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.18	261.0	Pg	08:37:53.435	0.3					T__		162.7		___	ML	1.0	1094149	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.18	261.0	Lg	08:37:56.119	0.0					T__				---		1094148	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
KECS	0.21	259.2	Pg	08:37:53.864	-0.0					T__		360.5		___	ML	1.5	1094146	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.21	259.2	Lg	08:37:57.452	0.1					T__				---		1094147	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
ABAH	0.37	127.8	Lg	08:38:02.766	-0.8					T__				---		1094152	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU02A	0.44	204.7	Pg	08:37:59.936	1.1					T__		20.9		___	ML	0.8	1094150	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.44	204.7	Lg	08:38:04.519	-1.5					T__				---		1094151	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=1)																									
ET1H	0.90	224.3	Lg	08:38:20.300	-1.0					T__				---		1094153	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/20	09:29:16.33	2.07	0.76	48.9090	19.7602	14.7	6.3	100	0.0f	9	6	218	0.62	1.03	sx	BUD	19003130	BUD				312

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.1	3 BUD	19003130

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
NIE	0.62	34.6	Lg	09:29:36.305	-0.7					T__						1095030	FDSN	PL	--	BUD	iLoc	BHN	???	_	
KECS	0.64	131.3	Pg	09:29:29.936	0.8					T__		77.2			ML	1.7	1095027	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.64	131.3	Lg	09:29:38.371	-0.4					T__						1095031	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
JOS	0.66	128.4	Pg	09:29:30.155	0.7					T__		36.3			ML	1.4	1095026	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.66	128.4	Lg	09:29:38.664	-0.7					T__						1095032	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
HU02A	0.94	146.9	Pg	09:29:35.295	-0.3					T__		20.8			ML	1.3	1095028	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.94	146.9	Lg	09:29:48.368	-0.8					T__						1095029	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
PSZ	1.00	174.8	Lg	09:29:51.927	-0.0					T__						1095033	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	1.03	175.8	Lg	09:29:52.062	-0.7					T__						1095034	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/06/20	10:02:39.56	1.17	0.46	47.6133	16.3626	7.8	4.7	9	0.0f	7	5	175	0.10	1.45	sx	BUD	19003132	BUD					251

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.10	332.6	Pg	10:02:41.777	-0.1					T__						1095055	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.10	332.6	Lg	10:02:43.277	-0.4					T__						1095056	FDSN	OE	--	BUD	iLoc	HHN	???	_	
SOP	0.15	62.0	Pg	10:02:42.839	-0.1					T__		69.6			ML	0.6	1095058	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.15	62.0	Lg	10:02:45.651	0.2					T__						1095057	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.6 magdef=1)																									
(Station ML: 0.6 magdef=0)																									
CONA	0.46	313.2	Lg	10:02:55.851	0.8					T__						1095061	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.68	237.8	Lg	10:03:01.135	-0.0					T__						1095059	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.45	0.8	Sn	10:03:26.332	0.1					T__						1095060	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/06/21	07:12:01.99	1.60	1.04	48.0831	20.7096	10.0	5.0	141	0.0f	8	6	191	0.13	0.60	sx	BUD	19003144	BUD					265
2023/06/21	07:12:01.77	0.97	1.38	48.0471	20.6805f				0.0f	8	6	196	0.13	0.57	kx	BUD_GT	19003145	BUD_GT					264

(locality: Miskolc-Mexikóvölgy Hungary)  
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU02A	0.13	305.8	Pg	07:12:05.525	0.5					T__		487.5			ML	1.3	1098025	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_

HU02A	0.13	305.8	Lg	07:12:07.654	-0.1	T__									1098030	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.3 magdef=1)																							
(Station ML: 1.3 magdef=0)																							
ABAH	0.45	56.1	Lg	07:12:16.799	-2.1	T__									1098028	FDSN	HU	--	BUD	iLoc	HHN	???	_
KECS	0.46	343.5	Pg	07:12:11.779	0.7	T__	131.6								1098026	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.46	343.5	Lg	07:12:16.628	-1.5	T__									1098027	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Reading ML: 1.7 magdef=1)																							
(Station ML: 1.7 magdef=0)																							
JOS	0.46	348.2	Lg	07:12:16.076	-2.1	T__									1098031	FDSN	Z6	--	BUD	iLoc	HHN	???	_
PSZ	0.54	256.6	Lg	07:12:22.569	0.4	T__									1098029	FDSN	GE	--	BUD	iLoc	HHN	???	_
ET1H	0.57	253.1	Lg	07:12:23.777	1.1	T__									1098032	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/21	08:38:38.98	1.24	1.46	46.0876	22.9011	8.6	6.8	52	0.0f		10	5	146	0.20	1.01	sx	BUD	19003146	BUD			253

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.1	4 BUD	19003146

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DEV	0.20	179.6	Pg	08:38:42.194	-0.7					T__		1140.7			ML	1.9	1098077	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.20	179.6	Pb	08:38:43.184	0.3					T__						1098078	FDSN	RO	--	BUD	iLoc	HHZ	???	_	
DEV	0.20	179.6	Lg	08:38:45.548	-0.2					T__						1098079	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
GZR	0.70	187.2	Pg	08:38:52.877	0.5					T__	77.6				ML	1.8	1098080	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	0.70	187.2	Lg	08:39:01.815	-0.5					T__						1098081	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
DRGR	0.72	349.5	Lg	08:39:03.014	-2.0					T__						1098082	FDSN	RO	--	BUD	iLoc	HHN	???	_	
LOT	0.88	136.2	Pg	08:38:57.487	1.6					T__	65.8				ML	1.8	1098074	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
LOT	0.88	136.2	Lg	08:39:06.680	-2.2					T__						1098083	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
BZS	1.01	242.8	Pg	08:38:59.957	1.2					T__	28.0				ML	1.5	1098076	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	1.01	242.8	Lg	08:39:11.880	-1.1					T__						1098075	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/21	09:40:28.17	0.90	0.92	47.0160	17.3927	4.8	3.2	148	0.0f		15	13	73	0.18	1.18	sx	BUD	19003148	BUD			83
2023/06/21	09:40:27.06	0.91	2.63	46.8902	17.3220f				0.0f		15	13	93	0.13	1.13	kx	BUD_GT	19003149	BUD_GT			151

(locality: Uzsa Hungary)  
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BADH	0.13	129.3	Lg	09:40:36.759	3.7					T__						1098119	FDSN	HU	--	BUD	iLoc	HHN	???	_	
A261A	0.13	297.5	Pg	09:40:32.677	2.3					T__	12239.5				ML	2.8	1098115	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A261A	0.13	297.5	Lg	09:40:34.492	1.3					T__						1098117	FDSN	Z6	00	BUD	iLoc	HHN	???	_	



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(Reading ML: 2.8 magdef=1
(Station ML: 2.8 magdef=0
MPLH 0.32 27.9 Pg 09:40:33.507 -0.5 T__ 1458.9 ___ ML 2.3 1098116 FDSN HU -- BUD iLoc HHZ HHZ _
MPLH 0.32 27.9 Lg 09:40:35.711 -3.7 T__ ___ 1098118 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=0
TIH 0.39 88.4 Lg 09:40:41.905 0.2 T__ ___ 1098129 FDSN HU -- BUD iLoc HHN ??? _
HU08A 0.68 37.0 Lg 09:40:47.959 -4.1 T__ ___ 1098120 FDSN Z6 00 BUD iLoc HHN ??? _
CSKK 0.80 53.2 Lg 09:40:52.359 -4.1 T__ ___ 1098121 FDSN HU -- BUD iLoc HHN ??? _
A267A 0.80 85.5 Lg 09:40:53.977 -2.0 T__ ___ 1098122 FDSN Z6 00 BUD iLoc HHN ??? _
KOGS 0.86 239.5 Sn 09:41:00.830 1.8 T__ ___ 1098125 FDSN SL -- BUD iLoc BHN ??? _
SOP 0.95 327.0 Lg 09:40:57.186 -1.8 T__ ___ 1098123 FDSN HU -- BUD iLoc HHN ??? _
KOVH 0.97 145.9 Sn 09:41:03.281 1.7 T__ ___ 1098127 FDSN HU -- BUD iLoc HHN ??? _
HU09A 1.04 43.6 Sn 09:41:00.757 -3.2 T__ ___ 1098124 FDSN Z6 00 BUD iLoc HHN ??? _
RONA 1.07 319.6 Lg 09:41:01.432 -1.1 T__ ___ 1098126 FDSN OE -- BUD iLoc HHN ??? _
MORH 1.13 126.0 Lg 09:41:08.071 1.9 T__ ___ 1098128 FDSN HU -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/06/21 10:15:49.37 1.77 1.74 47.1542 17.6362 16.7 6.4 33 0.0f 5 4 221 0.07 1.11 sx BUD 19003150 BUD 266

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
MPLH 0.07 283.7 Pg 10:15:51.426 -0.1 T__ 195.3 ___ ML 0.8 1098147 FDSN HU -- BUD iLoc HHZ HHZ _
MPLH 0.07 283.7 Lg 10:15:53.640 0.2 T__ ___ 1098146 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 0.8 magdef=1
(Station ML: 0.8 magdef=0
TIH 0.31 145.3 Lg 10:16:01.391 0.2 T__ ___ 1098148 FDSN HU -- BUD iLoc HHN ??? _
A261A 0.39 238.9 Lg 10:16:03.696 0.1 T__ ___ 1098149 FDSN Z6 00 BUD iLoc HHN ??? _
KOVH 1.11 163.1 Sn 10:16:25.241 -2.5 T__ ___ 1098150 FDSN HU -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/06/21 11:11:48.82 1.30 1.86 47.8087 20.2349 9.2 3.9 154 0.0f 10 7 168 0.25 0.83 sx BUD 19003152 BUD 229

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Magnitude Err Nsta Author OrigID  
ML 1.6 0.2 3 BUD 19003152

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
PSZ 0.25 295.7 Pg 11:11:55.262 0.5 T__ 479.5 ___ ML 1.7 1098172 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.25 295.7 Lg 11:11:58.243 -1.2 T__ ___ 1098173 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
ET1H 0.25 286.2 Pg 11:11:55.326 0.7 T__ 368.2 ___ ML 1.6 1098174 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.25 286.2 Lg 11:11:58.520 -0.5 T__ ___ 1098178 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
HU02A 0.37 31.8 Pg 11:11:58.062 1.2 T__ 99.4 ___ ML 1.3 1098176 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.37 31.8 Lg 11:12:01.937 -1.3 T__ ___ 1098181 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1

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HU03A	0.44	282.8	Lg	11:12:04.364	-0.8	T__	---	1098175	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU01A	0.62	222.1	Lg	11:12:11.540	-0.5	T__	---	1098177	FDSN	Z6	00	BUD	iLoc	HHN	???	_
KECS	0.70	13.9	Lg	11:12:13.543	0.1	T__	---	1098179	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.83	53.7	Lg	11:12:14.760	-4.2	T__	---	1098180	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/21	12:00:09.06	1.33	1.41	48.6609	21.5075	8.1	7.3	144	0.0f	12	8	144	0.41	1.34	sx	BUD	19003154	BUD				252

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.1	4 BUD	19003154

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.41	206.1	Pg	12:00:18.161	0.8					T__		140.1		---	ML	1.6	1098217	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.41	206.1	Lg	12:00:23.591	-0.9					T__				---		1098210	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
KOLS	0.57	61.4	Lg	12:00:28.226	-1.4					T__				---		1098218	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JOS	0.66	255.9	Pg	12:00:22.100	-0.2					T__		79.4		---	ML	1.8	1098211	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.66	255.9	Lg	12:00:32.672	0.4					T__				---		1098219	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
KECS	0.70	255.7	Lg	12:00:33.864	0.3					T__				---		1098220	FDSN	SK	--	BUD	iLoc	EHN	???	_	
HU02A	0.85	230.9	Pg	12:00:25.890	-0.7					T__		42.4		---	ML	1.6	1098212	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.85	230.9	Lg	12:00:37.126	-2.5					T__				---		1098216	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
NIE	1.10	314.1	Lg	12:00:47.352	1.2					T__				---		1098215	FDSN	PL	--	BUD	iLoc	BHN	???	_	
PSZ	1.31	236.0	Sn	12:00:52.249	-1.1					T__				---		1098221	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	1.34	235.0	Pn	12:00:36.110	2.1					T__		18.8		---	ML	1.5	1098213	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	1.34	235.0	Sn	12:00:52.973	-0.8					T__				---		1098214	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/21	16:26:30.59	1.13	0.60	46.1494	16.6696	8.3	5.2	141	10.0f	8	5	157	0.33	1.37	ke	BUD	19003158	BUD				231

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.0	3 BUD	19003158

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BEHE	0.33	12.8	Pg	16:26:37.079	-0.5					T__		186.0		---	ML	1.5	1098733	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BEHE	0.33	12.8	Lg	16:26:43.254	0.9					T__				---		1098734	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
KOGS	0.42	315.9	Lg	16:26:45.137	0.4					T__				---		1098735	FDSN	SL	--	BUD	iLoc	BHN	???	_	
PTJ	0.55	243.9	Lg	16:26:49.907	0.2					T__				---		1098736	FDSN	CR	--	BUD	iLoc	BHN	???	_	
CRES	0.91	249.5	Pg	16:26:47.565	-0.0					T__		21.1		---	ML	1.3	1098732	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.91	249.5	Lg	16:27:01.022	-0.3					T__				---		1098737	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									

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MORH 1.37 86.6 Pg 16:26:56.982 0.3 T__ 17.3 ___ ML 1.5 1098738 FDSN HU -- BUD iLoc HHZ HHZ _
MORH 1.37 86.6 Lg 16:27:14.100 -0.6 T__ ___ 1098739 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/06/22 06:03:34.04 1.66 0.98 48.4376 21.4551 10.5 8.5 129 0.0f 9 7 153 0.20 1.20 sx BUD 19003162 BUD 284

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
ABAH 0.20 225.5 Pg 06:03:39.261 0.8 T__ 692.3 ___ ML 1.7 1101121 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.20 225.5 Lg 06:03:42.136 -0.3 T__ ___ 1101122 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
HU11A 0.55 200.6 Lg 06:03:52.951 -1.7 T__ ___ 1101123 FDSN Z6 00 BUD iLoc HHN ??? _
JOS 0.61 275.8 Lg 06:03:55.260 -0.3 T__ ___ 1101124 FDSN Z6 -- BUD iLoc HHN ??? _
KECS 0.65 274.4 Lg 06:03:56.844 0.1 T__ ___ 1101125 FDSN SK -- BUD iLoc EHN ??? _
HU02A 0.70 243.4 Pg 06:03:48.189 -0.3 T__ 27.5 ___ ML 1.3 1101128 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.70 243.4 Lg 06:03:58.579 -0.9 T__ ___ 1101127 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
KOLS 0.73 47.2 Lg 06:03:59.336 -0.8 T__ ___ 1101126 FDSN SK -- BUD iLoc HHN ??? _
ET1H 1.20 242.8 Sn 06:04:14.384 -0.7 T__ ___ 1101129 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/06/22 07:14:53.54 2.78 1.04 48.0877 19.6296 17.5 7.0 153 0.0f 6 4 260 0.19 0.60 sx BUD 19003166 BUD 307

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Magnitude Err Nsta Author OrigID  
ML 1.6 0.1 3 BUD 19003166

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU03A 0.19 186.2 Pg 07:14:57.998 0.2 T__ 558.8 ___ ML 1.6 1101179 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
PSZ 0.25 133.5 Pg 07:14:59.914 0.6 T__ 415.0 ___ ML 1.6 1101175 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.25 133.5 Lg 07:15:02.853 -0.9 T__ ___ 1101176 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
ET1H 0.26 142.0 Pg 07:15:00.170 0.7 T__ 95.5 ___ ML 1.0 1101178 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.26 142.0 Lg 07:15:03.619 -0.3 T__ ___ 1101177 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=1
HU02A 0.60 86.4 Lg 07:15:14.606 -1.2 T__ ___ 1101180 FDSN Z6 00 BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/06/22 07:23:47.31 1.01 0.89 47.3893 18.3542 7.5 3.7 133 0.0f 13 11 106 0.07 1.22 sx BUD 19003168 BUD 120

```

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
CSKK	0.07	247.7	Pg	07:23:49.056	-0.3					T__		4554.4		___	ML	2.1	1101208	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.07	247.7	Lg	07:23:50.418	-1.0					T__				---		1101209	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
HU09A	0.25	4.4	Lg	07:23:58.083	0.5					T__				---		1101210	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
SR0	0.43	356.3	Lg	07:24:03.278	-0.4					T__				---		1101211	FDSN	SK	--	BUD	iLoc	EHN	???	_	
MPLH	0.60	248.7	Pg	07:24:00.298	0.7					T__		58.3		---	ML	1.6	1101213	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.60	248.7	Lg	07:24:09.751	1.0					T__				---		1101212	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
HU10A	0.64	44.3	Lg	07:24:10.943	-0.2					T__				---		1101214	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A266A	0.87	184.1	Lg	07:24:17.588	0.3					T__				---		1101215	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU03A	0.99	58.1	Lg	07:24:22.358	-0.3					T__				---		1101216	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ET1H	1.14	63.9	Sn	07:24:26.673	-0.2					T__				---		1101217	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	1.17	62.5	Sn	07:24:27.355	-0.8					T__				---		1101219	FDSN	GE	--	BUD	iLoc	HHN	???	_	
MORH	1.19	170.3	Sn	07:24:25.862	-2.0					T__				---		1101218	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MODS	1.22	324.0	Sn	07:24:29.150	-0.3					T__				---		1101220	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/22	08:29:02.28	1.00	0.81	48.8460	21.1069	5.1	4.8	97	0.0f		12	9	114	0.51	1.62	sx	BUD	19003172	BUD			202

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.1	5 BUD	19003172

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
JOS	0.51	227.2	Pg	08:29:12.817	0.3					T__		83.1		___	ML	1.6	1101483	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.51	227.2	Lg	08:29:20.599	0.3					T__				---		1101488	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
KECS	0.55	228.8	Pg	08:29:13.222	-0.1					T__		112.8		---	ML	1.9	1101484	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
ABAH	0.56	170.8	Pg	08:29:13.776	0.3					T__		55.2		---	ML	1.6	1101489	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.56	170.8	Lg	08:29:22.484	-0.4					T__				---		1101485	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
KOLS	0.77	83.1	Pg	08:29:17.182	0.1					T__				---		1101487	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
NIE	0.78	317.5	Pg	08:29:17.527	0.5					T__		19.9		---	ML	1.2	1101490	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.78	317.5	Lg	08:29:26.912	-1.2					T__				---		1101486	FDSN	PL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=0)																									
HU02A	0.82	208.3	Lg	08:29:30.976	-0.9					T__				---		1101491	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	1.23	221.5	Sn	08:29:43.303	-1.4					T__				---		1101492	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	1.27	220.9	Sn	08:29:45.911	0.7					T__				---		1101493	FDSN	HU	--	BUD	iLoc	HHE	???	_	
OJC	1.62	328.7	Pn	08:29:32.377	0.7					T__		33.1		---	ML	1.9	1101494	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=0)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/22	08:51:10.69	2.95	0.50	48.5905	19.2429	17.5	6.5	133	0.0f	10	8	264	0.73	1.36	sx	BUD	19003174	BUD				295

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
HU03A	0.73	160.7	Lg	08:51:37.047	0.4				T__							1101548	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU10A	0.76	191.5	Lg	08:51:37.853	-0.5				T__							1101549	FDSN	Z6	00	BUD	iLoc	HHN	???	_
PSZ	0.80	146.8	Lg	08:51:39.458	-0.3				T__							1101550	FDSN	GE	--	BUD	iLoc	HHN	???	_
ET1H	0.83	149.2	Lg	08:51:40.564	0.4				T__							1101551	FDSN	HU	--	BUD	iLoc	HHN	???	_
KECS	0.83	96.9	Lg	08:51:39.581	-0.1				T__							1101546	FDSN	SK	--	BUD	iLoc	EHN	???	_
JOS	0.87	95.8	Pg	08:51:28.083	0.2				T__		47.0					1101544	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.87	95.8	Lg	08:51:40.603	-0.2				T__							1101545	FDSN	Z6	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1)																								
(Station ML: 1.7 magdef=1)																								
HU02A	0.98	118.2	Pn	08:51:31.149	0.4				T__		51.8					1101547	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.98	118.2	Lg	08:51:44.308	-0.8				T__							1101552	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1)																								
(Station ML: 1.8 magdef=1)																								
ABAH	1.36	101.7	Sn	08:51:55.342	-0.3				T__							1101553	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/06/22	09:00:20.25	1.06	0.92	47.9643	16.0743	6.0	4.7	25	0.0f	7	4	139	0.15	1.12	sx	BUD	19003176	BUD					254

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
CONA	0.15	255.9	Pg	09:00:23.250	-0.2				T__			145.5				1101588	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.15	255.9	Lg	09:00:25.251	-0.5				T__							1101589	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 0.9 magdef=1)																								
(Station ML: 0.9 magdef=1)																								
RONA	0.30	150.4	Pg	09:00:26.359	-0.2				T__							1101591	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.30	150.4	Lg	09:00:30.532	-0.3				T__							1101590	FDSN	OE	--	BUD	iLoc	HHN	???	_
ARSA	0.81	207.8	Lg	09:00:47.607	1.6				T__							1101594	FDSN	OE	--	BUD	iLoc	HHN	???	_
KRUC	1.12	10.9	Pg	09:00:42.287	0.6				T__		19.3					1101593	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.12	10.9	Lg	09:00:58.191	-0.1				T__							1101592	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.4 magdef=1)																								
(Station ML: 1.4 magdef=1)																								

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/06/22	11:16:35.57	3.02	0.80	48.1378	21.2977	19.4	6.7	129	0.0f	7	4	282	0.16	0.64	sx	BUD	19003178	BUD					322

Magnitude Err Nsta Author OrigID  
ML 1.1 0.6 3 BUD 19003178

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
ABAH	0.16	346.3	Pg	11:16:39.517	0.2				T__			89.3				1101671	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.16	346.3	Lg	11:16:41.710	-1.0				T__							1101672	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 0.7 magdef=1)																								
(Station ML: 0.7 magdef=1)																								

HU02A 0.52 268.6 Pg 11:16:46.495 -0.0 T\_\_ 23.2 --- ML 1.1 1101673 FDSN Z6 00 BUD iLoc HHZ HHZ \_  
 HU02A 0.52 268.6 Lg 11:16:54.017 -0.9 T\_\_ --- 1101674 FDSN Z6 00 BUD iLoc HHN ??? \_  
 (Reading ML: 1.1 magdef=1  
 (Station ML: 1.1 magdef=1  
 JOS 0.62 305.6 Lg 11:16:57.557 0.1 T\_\_ --- 1101675 FDSN Z6 -- BUD iLoc HHN ??? \_  
 KECS 0.64 302.8 Pg 11:16:49.311 0.8 T\_\_ 84.5 --- ML 1.8 1101669 FDSN SK -- BUD iLoc EHZ EHZ \_  
 KECS 0.64 302.8 Lg 11:16:58.339 0.1 T\_\_ --- 1101670 FDSN SK -- BUD iLoc EHN ??? \_  
 (Reading ML: 1.8 magdef=1  
 (Station ML: 1.8 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/22	12:04:23.92	1.04	1.60	48.7015	18.7783	12.2	4.4	10	0.0f	10	7	131	0.75	1.30	sx	BUD	19003180	BUD				176

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.2	3 BUD	19003180

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
JAVC	0.75	282.6	Pg	12:04:40.232	0.9					T__		47.6		---	ML	1.6	1101706	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.75	282.6	Lg	12:04:48.674	-2.2					T__				---		1101707	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=1																									
MODS	1.05	252.4	Pg	12:04:46.588	1.5					T__				---		1101703	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	1.05	252.4	Lg	12:04:59.448	-1.5					T__				---		1101702	FDSN	SK	--	BUD	iLoc	HHN	???	_	
PSZ	1.08	136.0	Lg	12:05:01.298	-1.2					T__				---		1101708	FDSN	GE	--	BUD	iLoc	HHN	???	_	
KECS	1.15	100.3	Lg	12:05:02.888	-0.3					T__				---		1101704	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	1.19	99.3	Lg	12:05:02.872	-1.3					T__				---		1101709	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
NIE	1.23	53.8	Pn	12:04:48.995	1.2					T__		8.9		---	ML	1.1	1101705	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.1 magdef=1 (Station ML: 1.1 magdef=1																									
HU02A	1.30	115.8	Pn	12:04:48.246	-0.3					T__		17.6		---	ML	1.5	1101701	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.30	115.8	Sn	12:05:06.366	-1.6					T__				---		1101710	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1 (Station ML: 1.5 magdef=1																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/06/23	05:59:59.99	0.95	0.97	48.4081	17.2865	6.6	2.8	103	0.0f	13	7	160	0.04	1.07	sx	BUD	19003184	BUD					216

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.6	3 BUD	19003184

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
MODS	0.04	190.0	Pg	06:00:01.325	-0.0					T__				---		1101790	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.04	190.0	Lg	06:00:03.210	0.4					T__				---		1101791	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ZST	0.25	210.1	Pg	06:00:05.751	0.3					T__				---		1101792	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
ZST	0.25	210.1	Lg	06:00:08.109	-1.6					T__				---		1101793	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.52	29.3	Pg	06:00:10.794	-0.1					T__		273.8		---	ML	2.2	1101785	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.52	29.3	Lg	06:00:18.992	-0.3					T__				---		1101794	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1 (Station ML: 2.2 magdef=1																									
KRUC	0.88	318.3	Pg	06:00:16.969	0.1					T__		25.9		---	ML	1.4	1101786	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_

```

KRUC  0.88 318.3 Lg      06:00:28.701 -1.2      T__          ---          1101795  FDSN CZ      -- BUD  iLoc  HHN ??? _
(Reading ML:  1.4 magdef=1
(Station ML:  1.4 magdef=1
RONA  0.97 223.5 Pg      06:00:20.184  0.9      T__          ---          1101788  FDSN OE      -- BUD  iLoc  HHZ ??? _
RONA  0.97 223.5 Lg      06:00:32.704  0.7      T__          ---          1101787  FDSN OE      -- BUD  iLoc  HHN ??? _
VRAC  1.01 333.3 Pg      06:00:20.354  1.2      T__          9.3          --- ML      1.0 1101789  FDSN CZ      -- BUD  iLoc  HHZ HHZ _
VRAC  1.01 333.3 Lg      06:00:34.279  0.3      T__          ---          1101796  FDSN CZ      -- BUD  iLoc  HHN ??? _
(Reading ML:  1.0 magdef=1
(Station ML:  1.0 magdef=1
CONA  1.07 243.8 Lg      06:00:33.450 -1.4      T__          ---          1101797  FDSN OE      -- BUD  iLoc  HHN ??? _

```

```

Date      Time      Err      RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author      OrigID      Rep  DPdep  Err Sgp
2023/06/23 06:46:03.04  0.86  1.42 47.9334 20.0628  4.9  2.7 152  0.0f  21  16 122  0.11  1.97  sx BUD      19003186  BUD      124
2023/06/23 06:46:02.74  0.84  1.25 47.8987 20.0893f  0.0f  21  16 105  0.13  1.95  kx BUD_GT  19003187  BUD_GT      113
(locality: Recsk Hungary)
(GT info : GT2 explosion)

```

```

Magnitude  Err Nsta Author      OrigID
ML      2.0 0.2   5 BUD_GT      19003187

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Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
PSZ  0.13 278.6 Pg      06:46:06.305  0.1      T__          2795.5  --- ML      2.1 1101840  FDSN GE      -- BUD  iLoc  HHZ HHZ _
PSZ  0.13 278.6 Lg      06:46:08.689 -0.5      T__          ---          1101839  FDSN GE      -- BUD  iLoc  HHN ??? _
(Reading ML:  2.1 magdef=1
(Station ML:  2.1 magdef=1
ET1H  0.15 262.5 Pg      06:46:06.552  0.2      T__          1073.1  --- ML      1.7 1101837  FDSN HU      -- BUD  iLoc  HHZ HHZ _
ET1H  0.15 262.5 Lg      06:46:09.320  0.1      T__          ---          1101838  FDSN HU      -- BUD  iLoc  HHN ??? _
(Reading ML:  1.7 magdef=1
(Station ML:  1.7 magdef=0
HU23A 0.28 157.3 Lg      06:46:15.506  1.5      T__          ---          1101841  FDSN Z6      00 BUD  iLoc  HHN ??? _
HU03A 0.33 271.1 Lg      06:46:15.198 -0.1      T__          ---          1101844  FDSN Z6      00 BUD  iLoc  HHN ??? _
HU02A 0.37  52.4 Pg      06:46:10.667 -0.1      T__          290.4  --- ML      1.8 1101843  FDSN Z6      00 BUD  iLoc  HHZ HHZ _
HU02A 0.37  52.4 Lg      06:46:17.054  0.0      T__          ---          1101842  FDSN Z6      00 BUD  iLoc  HHN ??? _
(Reading ML:  1.8 magdef=1
(Station ML:  1.8 magdef=1
BSZH  0.61 168.6 Lg      06:46:27.490  1.9      T__          ---          1101847  FDSN HU      -- BUD  iLoc  HHN ??? _
HU01A 0.64 210.0 Pg      06:46:16.909  0.2      T__          464.2  --- ML      2.5 1101849  FDSN Z6      00 BUD  iLoc  HHZ HHZ _
HU01A 0.64 210.0 Lg      06:46:27.043  0.6      T__          ---          1101848  FDSN Z6      00 BUD  iLoc  HHN ??? _
(Reading ML:  2.5 magdef=1
(Station ML:  2.5 magdef=0
KECS  0.64 24.2 Lg      06:46:24.476 -1.0      T__          ---          1101845  FDSN SK      -- BUD  iLoc  EHN ??? _
JOS   0.67 26.6 Lg      06:46:25.751 -0.6      T__          ---          1101846  FDSN Z6      -- BUD  iLoc  HHN ??? _
HU10A 0.72 266.1 Lg      06:46:28.167 -1.1      T__          ---          1101850  FDSN Z6      00 BUD  iLoc  HHN ??? _
ABAH  0.87 62.3 Pn      06:46:21.772  0.9      T__          97.7   --- ML      2.0 1101852  FDSN HU      -- BUD  iLoc  HHZ HHZ _
ABAH  0.87 62.3 Lg      06:46:32.929 -1.1      T__          ---          1101851  FDSN HU      -- BUD  iLoc  HHN ??? _
(Reading ML:  2.0 magdef=1
(Station ML:  2.0 magdef=1
HU04B 1.17 202.4 Sn      06:46:43.777  1.4      T__          ---          1101853  FDSN Z6      00 BUD  iLoc  HHN ??? _
LTVH  1.33 112.1 Lg      06:46:49.404  0.6      T__          ---          1101855  FDSN HU      -- BUD  iLoc  HHN ??? _
CSKK  1.35 247.3 Sn      06:46:48.121  0.8      T__          ---          1101854  FDSN HU      -- BUD  iLoc  HHN ??? _
HU08A 1.54 253.1 Sn      06:46:54.525  2.7      T__          ---          1101856  FDSN Z6      00 BUD  iLoc  HHN ??? _
MORH  1.95 210.9 Lg      06:47:06.444 -3.2      T__          ---          1101857  FDSN HU      -- BUD  iLoc  HHN ??? _

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/23	07:22:34.48	1.66	0.92	47.3835	18.4169	13.6	5.1	142	0.0f	6	5	131	0.11	1.18	sx	BUD	19003188	BUD				218

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.11	259.2	Pg	07:22:37.377	0.1					T__		539.9		---	ML	1.3	1101903	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.11	259.2	Lg	07:22:39.150	-0.8					T__				---		1101905	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=0)																									
HU09A	0.26	354.8	Lg	07:22:44.712	-0.3					T__				---		1101904	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU08A	0.34	278.3	Lg	07:22:48.348	0.6					T__				---		1101906	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU10A	0.62	41.2	Lg	07:22:57.376	-0.1					T__				---		1101907	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MORH	1.18	172.3	Sn	07:23:15.857	1.2					T__				---		1101908	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/06/23	09:58:46.47	2.34	1.76	48.9901	21.2483	17.3	7.1	167	0.0f	8	6	229	0.68	1.40	sx	BUD	19003190	BUD					315

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOLS	0.68	94.4	Lg	09:59:08.833	-1.6					T__				---		1101930	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JOS	0.68	223.8	Lg	09:59:09.803	-0.4					T__				---		1101931	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
ABAH	0.69	180.5	Pg	09:59:01.575	1.3					T__		47.0		---	ML	1.6	1101927	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.69	180.5	Lg	09:59:08.942	-2.8					T__				---		1101929	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
KECS	0.72	225.2	Pg	09:59:00.681	-0.0					T__		87.1		---	ML	1.8	1101933	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.72	225.2	Lg	09:59:11.497	0.1					T__				---		1101932	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
HU02A	0.99	209.2	Lg	09:59:19.939	-1.4					T__				---		1101934	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	1.40	220.5	Sn	09:59:34.279	1.2					T__				---		1101928	FDSN	GE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/06/23	10:00:28.59	1.51	1.01	48.0281	17.1531	13.2	3.5	126	0.0f	10	6	213	0.17	1.35	sx	BUD	19003192	BUD					221

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ZST	0.17	348.6	Pg	10:00:33.364	0.7					T__				---		1101956	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
ZST	0.17	348.6	Lg	10:00:35.408	-0.6					T__				---		1101957	FDSN	SK	--	BUD	iLoc	HHN	???	_	
MODS	0.36	13.5	Pg	10:00:36.003	-0.3					T__				---		1101961	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.36	13.5	Lg	10:00:41.880	-0.5					T__				---		1101960	FDSN	SK	--	BUD	iLoc	HHN	???	_	
RONA	0.66	240.7	Pg	10:00:42.221	0.3					T__				---		1101959	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.66	240.7	Lg	10:00:50.312	-0.4					T__				---		1101958	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.87	263.9	Pg	10:00:46.576	0.7					T__		18.8		---	ML	1.3	1101965	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.87	263.9	Lg	10:00:55.166	-2.1					T__				---		1101962	FDSN	OE	--	BUD	iLoc	HHN	???	_	



(Reading ML: 1.3 magdef=1  
 (Station ML: 1.3 magdef=0  
 JAVC 0.90 22.3 Lg 10:01:01.383 0.4 T\_\_ --- 1101963 FDSN CZ -- BUD iLoc HHE ??? \_  
 ARSA 1.35 235.4 Lg 10:01:12.199 0.7 T\_\_ --- 1101964 FDSN OE -- BUD iLoc HHN ??? \_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/06/23 11:42:06.55 1.42 1.59 45.6373 17.2494 9.8 8.9 116 0.0f 8 6 124 0.75 1.27 sx BUD 19003194 BUD 220

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L  
 KOVH 0.75 52.5 Lg 11:42:32.810 0.2 T\_\_ --- 1102305 FDSN HU -- BUD iLoc HHN ??? \_  
 BLY 0.89 183.0 Lg 11:42:36.125 1.0 T\_\_ --- 1102309 FDSN MN -- BUD iLoc HHN ??? \_  
 BEHE 0.90 338.6 Lg 11:42:38.870 1.7 T\_\_ --- 1102310 FDSN HU -- BUD iLoc HHN ??? \_  
 PTJ 0.94 287.2 Lg 11:42:38.471 -0.1 T\_\_ --- 1102307 FDSN CR -- BUD iLoc BHE ??? \_  
 MORH 1.13 58.8 Pn 11:42:27.189 -1.3 T\_\_ 20.5 --- ML 1.4 1102304 FDSN HU -- BUD iLoc HHZ HHZ \_  
 MORH 1.13 58.8 Sn 11:42:42.838 -2.3 T\_\_ --- 1102303 FDSN HU -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.4 magdef=1  
 (Station ML: 1.4 magdef=1  
 CRES 1.27 279.2 Pg 11:42:30.439 -0.5 T\_\_ 20.5 --- ML 1.5 1102306 FDSN SL -- BUD iLoc BHZ BHZ \_  
 CRES 1.27 279.2 Sn 11:42:48.154 -1.0 T\_\_ --- 1102308 FDSN SL -- BUD iLoc BHN ??? \_  
 (Reading ML: 1.5 magdef=1  
 (Station ML: 1.5 magdef=1

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/06/24 21:30:07.24 0.85 1.24 47.6643 17.5068 3.9 3.0 4 10.0f 15 11 74 0.27 1.41 ke BUD 19003198 BUD 92

Magnitude Err Nsta Author OrigID  
 ML 1.4 0.1 5 BUD 19003198

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L  
 EGYH 0.27 205.7 Pg 21:30:14.201 1.0 T\_\_ 174.4 \_d ML 1.3 1108578 FDSN HU -- BUD iLoc HHZ HHZ \_  
 (Reading ML: 1.3 magdef=1  
 (Station ML: 1.3 magdef=0  
 HU08A 0.37 129.4 Lg 21:30:20.227 -0.7 T\_\_ --- 1108579 FDSN Z6 00 BUD iLoc HHN ??? \_  
 MPLH 0.49 177.4 Pg 21:30:16.799 -0.6 T\_\_ 46.0 --- ML 1.3 1108577 FDSN HU -- BUD iLoc HHZ HHZ \_  
 MPLH 0.49 177.4 Lg 21:30:24.996 0.2 T\_\_ --- 1108583 FDSN HU -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.3 magdef=1  
 (Station ML: 1.3 magdef=1  
 SRD 0.56 74.4 Lg 21:30:26.589 -1.3 T\_\_ --- 1108584 FDSN SK -- BUD iLoc EHN ??? \_  
 HU09A 0.59 92.2 Pg 21:30:20.269 1.1 T\_\_ 50.9 --- ML 1.5 1108581 FDSN Z6 00 BUD iLoc HHZ HHZ \_  
 HU09A 0.59 92.2 Lg 21:30:28.466 -0.4 T\_\_ --- 1108585 FDSN Z6 00 BUD iLoc HHN ??? \_  
 (Reading ML: 1.5 magdef=1  
 (Station ML: 1.5 magdef=1  
 SOP 0.64 272.1 Pg 21:30:20.738 0.7 T\_\_ 39.1 --- ML 1.4 1108582 FDSN HU -- BUD iLoc HHZ HHZ \_  
 SOP 0.64 272.1 Lg 21:30:29.999 1.3 T\_\_ --- 1108586 FDSN HU -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.4 magdef=1  
 (Station ML: 1.4 magdef=1  
 A260A 0.66 235.3 Pg 21:30:18.481 -2.1 T\_\_ 98.4 --- ML 1.9 1108580 FDSN Z6 00 BUD iLoc HHZ HHZ \_  
 (Reading ML: 1.9 magdef=1

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(Station ML: 1.9 magdef=0
MODS 0.73 347.8 Lg 21:30:30.435 -2.5 T__ --- 1108587 FDSN SK -- BUD iLoc HHN ??? _
RONA 0.82 272.9 Pg 21:30:24.141 0.6 T__ --- 1108589 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.82 272.9 Lg 21:30:34.787 0.4 T__ --- 1108588 FDSN OE -- BUD iLoc HHN ??? _
JAVC 1.20 5.2 Lg 21:30:48.858 0.1 T__ --- 1108590 FDSN CZ -- BUD iLoc HHN ??? _
ARSA 1.41 253.6 Lg 21:30:52.962 0.7 T__ --- 1108591 FDSN OE -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/06/26 06:11:55.44 0.87 0.53 47.3728 19.0082 5.9 2.7 122 7.8 8.1 15 10 98 0.11 1.19 ke BUD 19003208 BUD 143

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Magnitude Err Nsta Author OrigID
ML 1.4 0.2 5 BUD 19003208

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
BUD 0.11 5.5 Pg 06:11:58.509 0.1 T__ 200.6 --- ML 0.9 1111007 FDSN HU -- BUD iLoc HHZ HHZ _
BUD 0.11 5.5 Lg 06:12:00.894 0.1 T__ --- 1111008 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=0
A271A 0.25 208.6 Pg 06:12:00.909 0.1 T__ 379.5 --- ML 1.6 1111012 FDSN Z6 00 BUD iLoc HHZ HHZ _
A271A 0.25 208.6 Lg 06:12:05.544 0.3 T__ --- 1111013 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
HU01A 0.42 93.7 Lg 06:12:10.066 -0.9 T__ --- 1111014 FDSN Z6 00 BUD iLoc HHN ??? _
HU10A 0.47 0.8 Lg 06:12:12.322 -0.5 T__ --- 1111009 FDSN Z6 00 BUD iLoc HHN ??? _
CSKK 0.51 269.2 Lg 06:12:13.442 -0.7 T__ --- 1111015 FDSN HU -- BUD iLoc HHE ??? _
A267A 0.56 220.3 Lg 06:12:15.503 0.0 T__ --- 1111016 FDSN Z6 00 BUD iLoc HHN ??? _
HU03A 0.67 36.8 Pg 06:12:09.117 -0.1 T__ 51.5 --- ML 1.6 1111010 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU03A 0.67 36.8 Lg 06:12:19.593 0.5 T__ --- 1111011 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=0
ET1H 0.77 48.7 Pn 06:12:11.039 -0.2 T__ 21.6 --- ML 1.3 1111004 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.77 48.7 Lg 06:12:23.218 0.3 T__ --- 1111003 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
PSZ 0.81 47.3 Pn 06:12:12.796 0.8 T__ 30.9 --- ML 1.4 1111005 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.81 47.3 Lg 06:12:24.634 0.0 T__ --- 1111006 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
MORH 1.19 192.3 Sn 06:12:34.103 0.6 T__ --- 1111017 FDSN HU -- BUD iLoc HHE ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/06/26 07:47:56.55 1.23 0.98 48.0154 20.6863 7.2 4.3 156 0.0f 10 6 203 0.15 0.56 sx BUD 19003210 BUD 267
2023/06/26 07:47:57.01 0.93 0.85 48.0471 20.6805f 0.0f 10 6 196 0.13 0.57 kx BUD_GT 19003211 BUD_GT 264

```

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(locality: Miskolc-Mexikóvölgy Hungary)
(GT info : GT2 explosion)

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Magnitude Err Nsta Author OrigID
ML 1.5 0.0 5 BUD_GT 19003211

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```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L

```

HU02A	0.13	305.8	Pg	07:48:00.766	0.5	T__	859.4	___	ML	1.6	1111178	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.13	305.8	Lg	07:48:02.533	-0.5	T__		---			1111181	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1)																			
(Station ML: 1.6 magdef=0)																			
ABAH	0.45	56.1	Pg	07:48:06.596	0.3	T__	92.0	___	ML	1.5	1111183	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.45	56.1	Lg	07:48:12.770	-1.3	T__		---			1111182	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.5 magdef=1)																			
(Station ML: 1.5 magdef=1)																			
KECS	0.46	343.5	Lg	07:48:13.497	0.1	T__		---			1111184	FDSN	SK	--	BUD	iLoc	EHN	???	_
JOS	0.46	348.2	Pg	07:48:07.319	1.0	T__	73.0	___	ML	1.4	1111179	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.46	348.2	Lg	07:48:13.419	-0.0	T__		---			1111185	FDSN	Z6	--	BUD	iLoc	HHE	???	_
(Reading ML: 1.4 magdef=1)																			
(Station ML: 1.4 magdef=1)																			
PSZ	0.54	256.6	Pg	07:48:08.368	-0.4	T__	50.3	___	ML	1.5	1111186	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.54	256.6	Lg	07:48:15.799	-1.6	T__		---			1111187	FDSN	GE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.5 magdef=1)																			
(Station ML: 1.5 magdef=1)																			
ET1H	0.57	253.1	Pg	07:48:09.517	0.3	T__	28.8	___	ML	1.3	1111180	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.3 magdef=1)																			
(Station ML: 1.3 magdef=0)																			

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/26	08:20:04.81	2.71	0.44	48.4763	20.6520	18.6	5.2	59	0.0f		7	4	268	0.08	0.75	sx	BUD	19003212	BUD			297

Magnitude	Err	Nsta	Author	OrigID
ML	0.9	0.1	3 BUD	19003212

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
JOS	0.08	284.6	Pg	08:20:06.440	-0.2					T__		237.5		___	ML	0.9	1111214	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.08	284.6	Lg	08:20:08.782	0.6					T__				---		1111216	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
KECS	0.11	273.6	Pg	08:20:06.951	-0.3					T__	492.3			___	ML	1.3	1111215	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.11	273.6	Lg	08:20:09.719	0.4					T__				---		1111217	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
HU02A	0.36	193.5	Pg	08:20:12.698	0.0					T__	30.4			___	ML	0.8	1111219	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.36	193.5	Lg	08:20:18.915	0.1					T__				---		1111218	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=1)																									
PSZ	0.75	222.5	Lg	08:20:32.085	-0.2					T__				---		1111220	FDSN	GE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/26	11:53:49.60	1.08	0.40	47.8785	16.0709	9.5	4.0	37	0.0f		7	4	129	0.15	1.20	sx	BUD	19003214	BUD			209

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
CONA	0.15	289.6	Pg	11:53:52.611	-0.2					T__		140.1		___	ML	0.9	1112854	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.15	289.6	Lg	11:53:55.443	0.3					T__				---		1112855	FDSN	OE	--	BUD	iLoc	HHN	???	_	

```

(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=1
RONA 0.23 139.6 Pg 11:53:54.421 -0.1 T__ --- 1112857 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.23 139.6 Lg 11:53:58.211 0.2 T__ --- 1112856 FDSN OE -- BUD iLoc HHN ??? _
ARSA 0.73 210.8 Lg 11:54:13.115 0.2 T__ --- 1112858 FDSN OE -- BUD iLoc HHN ??? _
KRUC 1.20 10.2 Pg 11:54:12.775 0.1 T__ 24.3 --- ML 1.6 1112860 FDSN CZ -- BUD iLoc HHZ HHZ _
KRUC 1.20 10.2 Sn 11:54:29.552 -0.6 T__ --- 1112859 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/06/26 13:01:41.04 1.62 0.82 46.0910 21.7049 15.0 6.1 116 0.0f 6 3 216 0.48 1.02 sx BUD 19003216 BUD 305

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```

Magnitude Err Nsta Author OrigID
ML 1.6 0.2 3 BUD 19003216

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
BZS 0.48 187.4 Pg 13:01:50.929 0.4 T__ 70.5 --- ML 1.5 1113276 FDSN RO -- BUD iLoc HHZ HHZ _
BZS 0.48 187.4 Lg 13:01:56.635 -0.9 T__ --- 1113275 FDSN RO -- BUD iLoc HHN ??? _

```

```

(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
DRGR 0.99 44.4 Pg 13:02:00.894 0.1 T__ 38.6 --- ML 1.6 1113271 FDSN RO -- BUD iLoc HHZ HHZ _
DRGR 0.99 44.4 Lg 13:02:14.393 -0.9 T__ --- 1113272 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
GZR 1.02 132.5 Pg 13:02:00.979 0.4 T__ 59.3 --- ML 1.8 1113274 FDSN RO -- BUD iLoc HHZ HHZ _
GZR 1.02 132.5 Lg 13:02:14.606 -0.3 T__ --- 1113273 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/06/26 13:27:34.52 2.31 1.02 47.8639 16.3656 16.8 9.4 121 0.0f 6 4 217 0.35 1.45 sx BUD 19003218 BUD 275

```

```

Magnitude Err Nsta Author OrigID

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```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CONA 0.35 280.9 Pg 13:27:40.773 -0.8 T__ 50.5 --- ML 1.0 1113297 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.35 280.9 Lg 13:27:47.267 1.0 T__ --- 1113298 FDSN OE -- BUD iLoc HHN ??? _

```

```

(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=1
ARSA 0.84 223.2 Lg 13:28:01.958 0.7 T__ 1113299 FDSN OE -- BUD iLoc HHN ??? _
KRUC 1.20 0.9 Pg 13:27:57.700 0.2 T__ 26.9 --- ML 1.6 1113301 FDSN CZ -- BUD iLoc HHZ HHZ _
KRUC 1.20 0.9 Sn 13:28:14.520 -0.6 T__ --- 1113300 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
VRAC 1.45 5.9 Sn 13:28:22.271 0.9 T__ --- 1113302 FDSN CZ -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/06/27 07:16:48.41 1.48 0.99 48.4077 17.4435 12.9 3.8 132 0.0f 6 4 208 0.12 0.95 sx BUD 19003224 BUD 273

```

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.12	253.0	Pg	07:16:51.655	0.3					T__						1113871	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.12	253.0	Lg	07:16:53.517	-0.5					T__						1113873	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ZST	0.31	227.2	Lg	07:16:59.928	-0.4					T__						1113872	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.48	18.4	Pg	07:16:59.041	0.6					T__		48.7			ML	1.3	1113875	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.48	18.4	Lg	07:17:04.774	-1.5					T__						1113874	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.3 magdef=1)																					
				(Station ML: 1.3 magdef=0)																					
KRUC	0.95	313.7	Lg	07:17:20.848	0.1					T__						1113876	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/27	08:08:01.69	1.81	0.52	48.5283	20.7824	12.9	5.6	21	0.0f		10	6	228	0.16	0.89	sx	BUD	19003228	BUD			304

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.0	5 BUD	19003228

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.16	258.7	Pg	08:08:05.441	0.2					T__		329.5			ML	1.3	1113940	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.16	258.7	Lg	08:08:07.888	-0.1					T__						1113941	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.3 magdef=1)																					
				(Station ML: 1.3 magdef=1)																					
KECS	0.20	257.2	Pg	08:08:05.989	0.0					T__		480.0			ML	1.5	1113942	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.20	257.2	Lg	08:08:09.202	-0.1					T__						1113943	FDSN	SK	--	BUD	iLoc	EHN	???	_	
				(Reading ML: 1.5 magdef=1)																					
				(Station ML: 1.5 magdef=1)																					
ABAH	0.38	127.2	Lg	08:08:15.903	-0.4					T__						1113946	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU02A	0.44	203.0	Pg	08:08:11.521	0.4					T__		26.7			ML	1.0	1113947	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 1.0 magdef=1)																					
				(Station ML: 1.0 magdef=0)																					
PSZ	0.85	224.5	Pn	08:08:19.099	-0.9					T__		40.5			ML	1.6	1113944	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.85	224.5	Lg	08:08:32.136	-0.4					T__						1113948	FDSN	GE	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.6 magdef=1)																					
				(Station ML: 1.6 magdef=0)																					
ET1H	0.89	223.5	Pn	08:08:20.815	0.5					T__		18.3			ML	1.3	1113945	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.89	223.5	Lg	08:08:32.830	-0.6					T__						1113949	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.3 magdef=1)																					
				(Station ML: 1.3 magdef=1)																					

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/27	10:00:26.10	1.10	0.88	48.1479	16.9820	8.4	5.8	142	0.0f		7	4	166	0.09	0.99	sx	BUD	19003230	BUD			278

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
ZST	0.09	59.1	Pg	10:00:29.032	0.4					T__						1114028	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.09	59.1	Lg	10:00:31.442	0.6					T__						1114029	FDSN	SK	--	BUD	iLoc	HHN	???	_
MODS	0.30	41.0	Pg	10:00:32.611	-0.1					T__						1114026	FDSN	SK	--	BUD	iLoc	HHZ	???	_

MODS	0.30	41.0	Lg	10:00:36.646	-1.4	T__									1114027	FDSN	SK	--	BUD	iLoc	HHN	???	_
RONA	0.64	226.1	Lg	10:00:46.908	-0.7	T__									1114032	FDSN	OE	--	BUD	iLoc	HHN	???	_
KRUC	0.99	337.2	Pg	10:00:45.702	0.5	T__				25.4			ML	1.5	1114031	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	0.99	337.2	Lg	10:00:59.945	0.1	T__									1114030	FDSN	CZ	--	BUD	iLoc	HHE	???	_

(Reading ML: 1.5 magdef=1  
 (Station ML: 1.5 magdef=0

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/27	10:16:59.43	1.60	1.18	48.4600	20.8814	10.5	7.2	134	0.0f	7	5	152		0.23	1.04	sx	BUD	19003232	BUD			236

Magnitude	Err	Nsta	Author	OrigID
ML	1.2	0.2	3 BUD	19003232

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.23	279.1	Pg	10:17:03.834	-0.4					T__		95.5			ML	0.9	1114052	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.23	279.1	Lg	10:17:08.107	0.1					T__						1114051	FDSN	Z6	--	BUD	iLoc	HHN	???	_	

(Reading ML: 0.9 magdef=1  
 (Station ML: 0.9 magdef=1

KECS	0.26	275.2	Pg	10:17:04.418	-0.5					T__		187.1			ML	1.3	1114053	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.26	275.2	Lg	10:17:09.312	0.1					T__						1114054	FDSN	SK	--	BUD	iLoc	EHN	???	_	

(Reading ML: 1.3 magdef=1  
 (Station ML: 1.3 magdef=1

HU02A	0.41	215.3	Lg	10:17:16.261	1.2					T__						1114057	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
NIE	1.03	338.4	Pg	10:17:19.646	0.7					T__		12.8			ML	1.2	1114055	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_

(Reading ML: 1.2 magdef=1  
 (Station ML: 1.2 magdef=1

KOLS	1.04	62.3	Lg	10:17:33.670	-1.8					T__						1114056	FDSN	SK	--	BUD	iLoc	HHN	???	_
------	------	------	----	--------------	------	--	--	--	--	-----	--	--	--	--	--	---------	------	----	----	-----	------	-----	-----	---

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/27	10:54:28.69	0.90	1.08	47.9928	20.2492	6.7	2.8	142	0.0f	13	8	124		0.23	0.78	sx	BUD	19003234	BUD			148

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.0	5 BUD	19003234

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU02A	0.23	54.9	Pg	10:54:33.597	-0.3					T__		311.6			ML	1.4	1114088	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.23	54.9	Lg	10:54:37.139	-0.9					T__						1114092	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

(Reading ML: 1.4 magdef=1  
 (Station ML: 1.4 magdef=1

PSZ	0.25	252.8	Pg	10:54:34.491	-0.0					T__		259.9			ML	1.4	1114090	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.25	252.8	Lg	10:54:38.691	-0.4					T__						1114093	FDSN	GE	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.4 magdef=1  
 (Station ML: 1.4 magdef=1

ET1H	0.28	246.0	Pg	10:54:34.747	-0.2					T__		110.5			ML	1.1	1114091	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.28	246.0	Lg	10:54:39.385	-0.2					T__						1114095	FDSN	HU	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.1 magdef=1  
 (Station ML: 1.1 magdef=0

HU23A	0.35	180.0	Lg	10:54:42.439	0.1					T__						1114094	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KECS	0.52	17.8	Lg	10:54:47.780	0.7					T__						1114096	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	0.54	21.0	Pg	10:54:40.042	0.5					T__		43.3			ML	1.4	1114089	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_

```

JOS      0.54  21.0 Lg      10:54:47.821  -0.1          T__          ---          1114097  FDSN  Z6      --  BUD  iLoc  HHN  ???  _
(Reading ML:  1.4 magdef=1
(Station ML:  1.4 magdef=1
ABAH     0.73  65.0 Pg      10:54:44.873   1.6          T__          46.0         --- ML      1.6 1114099  FDSN  HU      --  BUD  iLoc  HHZ  HHZ  _
ABAH     0.73  65.0 Lg      10:54:52.908  -2.6          T__          ---          1114098  FDSN  HU      --  BUD  iLoc  HHN  ???  _
(Reading ML:  1.6 magdef=1
(Station ML:  1.6 magdef=0
HU01A   0.78  213.5 Lg     10:54:57.801   0.8          T__          ---          1114100  FDSN  Z6      00  BUD  iLoc  HHN  ???  _

```

```

Date      Time      Err    RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author  OrigID  Rep  DPdep  Err Sgp
2023/06/28 06:29:19.66  0.98  0.45  46.9214  17.3480  5.4  4.9  156  0.0f  8  6  104  0.14  1.14  sx  BUD  19003238  BUD  205

```

Magnitude Err Nsta Author OrigID

```

Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh  ACh  L
A261A  0.14  282.7 Pg      06:29:23.165  0.0          T__          2512.1         --- ML      2.1 1116684  FDSN  Z6      00  BUD  iLoc  HHZ  HHZ  _
A261A  0.14  282.7 Lg      06:29:25.677  -0.3          T__          ---          1116687  FDSN  Z6      00  BUD  iLoc  HHN  ???  _
(Reading ML:  2.1 magdef=1
(Station ML:  2.1 magdef=1
BADH   0.14  143.6 Lg      06:29:25.760  -0.3          T__          ---          1116688  FDSN  HU      --  BUD  iLoc  HHN  ???  _
MPLH   0.28  27.7 Pg      06:29:25.720  -0.2          T__          228.9         --- ML      1.4 1116683  FDSN  HU      --  BUD  iLoc  HHZ  HHZ  _
MPLH   0.28  27.7 Lg      06:29:31.383   0.5          T__          ---          1116690  FDSN  HU      --  BUD  iLoc  HHN  ???  _
(Reading ML:  1.4 magdef=1
(Station ML:  1.4 magdef=1
A263A  0.28  184.6 Lg      06:29:30.540   0.1          T__          ---          1116689  FDSN  Z6      00  BUD  iLoc  HHN  ???  _
KOVH   0.98  147.8 Lg      06:29:53.910   0.5          T__          ---          1116685  FDSN  HU      --  BUD  iLoc  HHN  ???  _
MORH   1.14  127.9 Sn      06:29:59.020   0.6          T__          ---          1116686  FDSN  HU      --  BUD  iLoc  HHN  ???  _

```

```

Date      Time      Err    RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author  OrigID  Rep  DPdep  Err Sgp
2023/06/28 07:21:30.74  1.02  1.02  46.0489  22.8508  7.5  4.3  77  0.0f  11  6  140  0.17  1.40  sx  BUD  19003240  BUD  248

```

Magnitude Err Nsta Author OrigID  
ML 1.9 0.1 5 BUD 19003240

```

Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh  ACh  L
DEV   0.17  167.5 Pg      07:21:33.978  0.0          T__          1257.0         --- ML      1.9 1116717  FDSN  RO      --  BUD  iLoc  HHZ  HHZ  _
DEV   0.17  167.5 Lg      07:21:36.299  -0.1          T__          ---          1116724  FDSN  RO      --  BUD  iLoc  HHN  ???  _
(Reading ML:  1.9 magdef=1
(Station ML:  1.9 magdef=1
GZR   0.66  184.6 Pg      07:21:43.309  -0.1          T__          113.8         --- ML      1.9 1116719  FDSN  RO      --  BUD  iLoc  HHZ  HHZ  _
GZR   0.66  184.6 Lg      07:21:52.678  -0.0          T__          ---          1116718  FDSN  RO      --  BUD  iLoc  HHN  ???  _
(Reading ML:  1.9 magdef=1
(Station ML:  1.9 magdef=1
DRGR   0.75  352.6 Pg      07:21:46.263   0.4          T__          64.9          --- ML      1.7 1116722  FDSN  RO      --  BUD  iLoc  HHZ  HHZ  _
DRGR   0.75  352.6 Lg      07:21:55.802  -2.1          T__          ---          1116721  FDSN  RO      --  BUD  iLoc  HHN  ???  _
(Reading ML:  1.7 magdef=1
(Station ML:  1.7 magdef=1
LOT    0.88  132.7 Pg      07:21:48.614   1.0          T__          85.9          --- ML      1.9 1116720  FDSN  RO      --  BUD  iLoc  HHZ  HHZ  _
LOT    0.88  132.7 Lg      07:21:59.281  -1.2          T__          ---          1116725  FDSN  RO      --  BUD  iLoc  HHN  ???  _
(Reading ML:  1.9 magdef=1

```

(Station ML: 1.9 magdef=0  
 BZS 0.97 243.8 Pg 07:21:50.301 0.8 T\_\_ 32.0 \_\_\_ ML 1.5 1116723 FDSN RO -- BUD iLoc HHZ HHZ \_  
 BZS 0.97 243.8 Lg 07:22:02.501 -0.6 T\_\_ \_\_\_ 1116726 FDSN RO -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.5 magdef=1  
 (Station ML: 1.5 magdef=0  
 DJES 1.40 189.7 Lg 07:22:15.741 -0.2 T\_\_ \_\_\_ 1116727 FDSN SJ -- BUD iLoc BHN ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/28	07:32:19.02	1.26	0.89	48.4006	17.3692	9.9	3.9	111	0.0f	7	5	197		0.27	1.04	sx	BUD	19003242	BUD			250

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
ZST	0.27	221.1	Pg	07:32:25.571	0.6					T__						1116757	FDSN	SK	--	BUD	iLoc	HHZ	???	_		
ZST	0.27	221.1	Lg	07:32:28.029	-1.6					T__						1116756	FDSN	SK	--	BUD	iLoc	HHN	???	_		
JAVC	0.50	23.4	Pg	07:32:29.698	0.1					T__	72.5			___	ML	1.6	1116753	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=1																										
KRUC	0.92	316.1	Pg	07:32:36.775	0.0					T__	24.5			___	ML	1.4	1116754	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_	
KRUC	0.92	316.1	Lg	07:32:50.359	-0.0					T__				___		1116759	FDSN	CZ	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.4 magdef=1 (Station ML: 1.4 magdef=1																										
RONA	1.01	226.1	Pg	07:32:39.322	0.4					T__						1116755	FDSN	OE	--	BUD	iLoc	HHZ	???	_		
VRAC	1.04	330.9	Lg	07:32:54.084	-0.0					T__						1116758	FDSN	CZ	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/28	07:33:39.89	1.67	1.26	47.8694	20.1212	15.7	3.4	160	0.0f	11	8	213		0.16	0.86	sx	BUD	19003244	BUD			226
2023/06/28	07:33:40.33	0.92	1.28	47.8987	20.0893f				0.0f	11	8	200		0.13	0.87	kx	BUD_GT	19003245	BUD_GT			210

(locality: Recsk Hungary)  
 (GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID  
 ML 1.3 0.2 3 BUD\_GT 19003245

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
PSZ	0.13	278.6	Pg	07:33:44.020	0.2					T__		636.4		___	ML	1.5	1116784	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_	
PSZ	0.13	278.6	Lg	07:33:46.256	-0.5					T__				___		1116785	FDSN	GE	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.5 magdef=1 (Station ML: 1.5 magdef=1																										
ET1H	0.15	262.5	Pg	07:33:44.169	0.2					T__	238.9			___	ML	1.1	1116787	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ET1H	0.15	262.5	Lg	07:33:47.065	0.2					T__				___		1116786	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.1 magdef=1 (Station ML: 1.1 magdef=1																										
HU03A	0.33	271.1	Lg	07:33:53.548	0.7					T__				___		1116788	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
HU02A	0.37	52.4	Pg	07:33:48.726	0.4					T__	98.0			___	ML	1.3	1116790	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU02A	0.37	52.4	Lg	07:33:52.867	-1.8					T__				___		1116789	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 1.3 magdef=1 (Station ML: 1.3 magdef=1																										
CP17A	0.43	41.3	Lg	07:33:56.444	0.5					T__				___		1116791	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
KECS	0.64	24.2	Lg	07:34:03.598	0.5					T__				___		1116792	FDSN	SK	--	BUD	iLoc	EHN	???	_		



JOS	0.67	26.6	Lg	07:34:03.513	-0.5	T__									1116793	FDSN	Z6	--	BUD	iLoc	HHN	???	_
ABAH	0.87	62.3	Lg	07:34:08.197	-3.4	T__									1116794	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/28	07:53:31.35	1.02	1.61	48.8642	21.2852	7.3	4.4	154	0.0f	13	10	132	0.57	1.36	sx	BUD	19003246	BUD				232

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.4	3 BUD	19003246

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ABAH	0.57	183.1	Lg	07:53:50.823	-1.5					T__						1116830	FDSN	HU	--	BUD	iLoc	HHN	???	_	
JOS	0.62	233.6	Lg	07:53:52.760	-0.1					T__						1116828	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
KECS	0.65	234.6	Lg	07:53:53.574	-0.6					T__						1116825	FDSN	SK	--	BUD	iLoc	EHN	???	_	
KOLS	0.66	83.6	Pg	07:53:45.210	1.3					T__						1116832	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.66	83.6	Lg	07:53:50.746	-3.9					T__						1116831	FDSN	SK	--	BUD	iLoc	HHN	???	_	
CP16A	0.72	223.7	Lg	07:53:55.663	-0.8					T__						1116826	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP17A	0.83	218.8	Pg	07:53:49.396	1.4					T__	106.2					1116823	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
CP17A	0.83	218.8	Lg	07:53:59.808	-0.4					T__						1116827	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
NIE	0.85	311.0	Pg	07:53:47.611	0.2					T__		17.6			ML	1.2	1116833	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
HU02A	0.90	214.5	Pg	07:53:49.567	-0.2					T__		29.7			ML	1.5	1116824	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.90	214.5	Lg	07:54:02.022	-1.5					T__						1116829	FDSN	Z6	00	BUD	iLoc	HHE	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
PSZ	1.32	224.9	Sn	07:54:16.744	0.7					T__						1116834	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	1.36	224.3	Sn	07:54:17.626	1.1					T__						1116835	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/06/28	08:04:34.30	1.16	1.29	48.8809	20.5535	10.2	5.3	87	0.0f	13	9	138	0.39	1.14	sx	BUD	19003248	BUD					241

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.1	4 BUD	19003248

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
JOS	0.39	181.4	Pg	08:04:42.668	0.6					T__		85.8			ML	1.3	1116868	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.39	181.4	Lg	08:04:48.161	0.2					T__						1116867	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
KECS	0.40	186.5	Lg	08:04:48.161	-0.4					T__						1116866	FDSN	SK	--	BUD	iLoc	EHN	???	_	
NIE	0.56	342.9	Lg	08:04:52.486	-0.6					T__						1116871	FDSN	PL	--	BUD	iLoc	BHN	???	_	
CP17A	0.66	182.5	Lg	08:04:57.563	-0.1					T__						1116872	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ABAH	0.74	141.8	Pn	08:04:51.419	0.6					T__		44.5			ML	1.6	1116869	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.74	141.8	Lg	08:04:59.808	-1.4					T__						1116873	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
HU02A	0.76	181.4	Pg	08:04:51.270	1.3					T__		35.6			ML	1.5	1116865	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.76	181.4	Lg	08:05:00.425	-1.3					T__						1116874	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

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(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
PSZ 1.06 204.8 Pn 08:04:54.613 -1.0 T__ 31.8 ___ ML 1.6 1116870 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 1.06 204.8 Lg 08:05:09.815 -2.3 T__ ___ 1116875 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
ET1H 1.10 204.7 Sn 08:05:11.412 -1.6 T__ ___ 1116876 FDSN HU -- BUD iLoc HHN ??? _
KOLS 1.14 86.7 Lg 08:05:11.653 -1.1 T__ ___ 1116877 FDSN SK -- BUD iLoc HHN ??? _

```

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/06/28 09:24:21.98 1.32 1.28 48.5069 17.5711 11.3 3.3 118 0.0f 11 7 214 0.24 1.28 sx BUD 19003254 BUD 263

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
MODS 0.24 235.8 Pg 09:24:26.657 -0.6 T__ ___ 1117029 FDSN SK -- BUD iLoc HHZ ??? _
MODS 0.24 235.8 Lg 09:24:29.787 -1.8 T__ ___ 1117033 FDSN SK -- BUD iLoc HHN ??? _
JAVC 0.36 10.6 Pg 09:24:29.765 0.1 T__ 83.8 ___ ML 1.2 1117030 FDSN CZ -- BUD iLoc HHZ HHZ _
JAVC 0.36 10.6 Lg 09:24:34.875 -0.9 T__ ___ 1117031 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
ZST 0.44 225.3 Lg 09:24:37.549 -0.7 T__ ___ 1117034 FDSN SK -- BUD iLoc HHN ??? _
KRUC 0.96 306.0 Lg 09:24:55.007 0.6 T__ ___ 1117039 FDSN CZ -- BUD iLoc HHN ??? _
VRAC 1.03 321.6 Lg 09:24:56.446 -0.1 T__ ___ 1117035 FDSN CZ -- BUD iLoc HHN ??? _
RONA 1.18 227.1 Pg 09:24:47.224 2.0 T__ ___ 1117032 FDSN OE -- BUD iLoc HHZ ??? _
RONA 1.18 227.1 Lg 09:25:01.320 0.8 T__ ___ 1117036 FDSN OE -- BUD iLoc HHN ??? _
CONA 1.28 243.8 Pn 09:24:45.838 -1.0 T__ 34.0 ___ ML 1.7 1117038 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 1.28 243.8 Lg 09:25:05.086 1.4 T__ ___ 1117037 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1

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```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/06/28 22:02:24.83 0.93 0.59 47.3951 16.8997 4.7 3.2 49 9.6 10.0 20 13 72 0.17 1.70 ke BUD 19003256 BUD 97

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Magnitude Err Nsta Author OrigID
ML 1.4 0.1 6 BUD 19003256

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
A260A 0.17 229.8 Pg 22:02:28.466 -0.4 T__ 335.6 ___ ML 1.3 1118544 FDSN Z6 00 BUD iLoc HHZ HHZ _
A260A 0.17 229.8 Lg 22:02:31.447 -0.3 T__ ___ 1118545 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
SOP 0.37 321.4 Pg 22:02:32.789 0.3 T__ 41.6 ___ ML 0.9 1118542 FDSN HU -- BUD iLoc HHZ HHZ _
SOP 0.37 321.4 Lg 22:02:38.037 0.4 T__ ___ 1118549 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=0
A261A 0.47 158.9 Pg 22:02:34.553 0.0 T__ 59.4 ___ ML 1.4 1118547 FDSN Z6 00 BUD iLoc HHZ HHZ _
A261A 0.47 158.9 Lg 22:02:41.919 0.6 T__ ___ 1118546 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1

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MPLH	0.49	117.1	Lg	22:02:42.121	-0.1	T__								1118548	FDSN	HU	--	BUD	iLoc	HHN	???	_
RONA	0.51	306.9	Pg	22:02:35.003	-0.2	T__								1118541	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.51	306.9	Lg	22:02:42.029	-0.1	T__								1118540	FDSN	OE	--	BUD	iLoc	HHN	???	_
A262A	0.59	205.7	Pg	22:02:36.338	-0.3	T__				79.7				1118551	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A262A	0.59	205.7	Lg	22:02:44.801	0.3	T__								1118550	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1)																						
(Station ML: 1.7 magdef=0)																						
HU08A	0.70	86.6	Lg	22:02:49.313	-0.3	T__								1118552	FDSN	Z6	00	BUD	iLoc	HHN	???	_
CONA	0.88	307.6	Pg	22:02:42.114	-0.2	T__				30.5				1118539	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.88	307.6	Lg	22:02:54.166	0.3	T__								1118553	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.5 magdef=1)																						
(Station ML: 1.5 magdef=1)																						
CSKK	0.93	91.5	Sn	22:02:56.707	0.1	T__								1118556	FDSN	HU	--	BUD	iLoc	HHN	???	_
BEHE	0.93	185.3	Lg	22:02:56.138	0.7	T__								1118555	FDSN	HU	--	BUD	iLoc	HHN	???	_
ARSA	0.95	261.7	Pg	22:02:42.583	-0.6	T__				30.3				1118543	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
ARSA	0.95	261.7	Lg	22:02:55.315	0.2	T__								1118554	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.5 magdef=1)																						
(Station ML: 1.5 magdef=1)																						
MODS	1.01	14.4	Sn	22:02:59.481	0.4	T__								1118557	FDSN	SK	--	BUD	iLoc	HHN	???	_
KRUC	1.70	348.8	Sn	22:03:17.363	1.8	T__								1118558	FDSN	CZ	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/29	06:37:53.77	0.88	1.22	47.7005	18.5172	3.8	3.3	145	0.0f		17	13	117	0.11	1.80	sx	BUD	19003262	BUD			122

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.1	4 BUD	19003262

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU09A	0.11	235.9	Pg	06:37:57.165	0.7					T__		1760.4			ML	1.9	1119601	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU09A	0.11	235.9	Lg	06:37:59.174	0.1					T__						1119600	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
SRO	0.18	309.5	Pg	06:37:58.584	0.8					T__		3518.7			ML	2.3	1119598	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
SRO	0.18	309.5	Lg	06:38:00.611	-0.8					T__						1119602	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=1)																									
HU10A	0.37	66.6	Lg	06:38:08.049	0.1					T__						1119604	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CSKK	0.38	207.4	Pg	06:38:02.474	0.7					T__		203.2			ML	1.7	1119597	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.38	207.4	Lg	06:38:06.582	-1.9					T__						1119603	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
BUD	0.41	122.1	Lg	06:38:08.672	-0.8					T__						1119605	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU08A	0.48	236.4	Lg	06:38:10.754	-1.1					T__						1119606	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.85	231.7	Lg	06:38:23.410	-0.0					T__						1119607	FDSN	HU	--	BUD	iLoc	HHN	???	_	
ET1H	0.93	78.4	Lg	06:38:26.228	-0.9					T__						1119608	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	0.95	76.3	Lg	06:38:27.188	-1.2					T__						1119599	FDSN	GE	--	BUD	iLoc	HHN	???	_	
MODS	1.07	309.4	Lg	06:38:29.854	-2.0					T__						1119609	FDSN	SK	--	BUD	iLoc	HHN	???	_	
HU02A	1.42	71.9	Sn	06:38:42.647	2.3					T__						1119610	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MORH	1.49	176.6	Pn	06:38:21.361	0.8					T__		26.6			ML	1.8	1119612	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	1.49	176.6	Sn	06:38:40.862	-0.8					T__						1119611	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									

CONA 1.80 278.2 Sn 06:38:50.605 0.7 T\_\_ --- 1119613 FDSN OE -- BUD iLoc HHN ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/29	07:11:38.59	1.04	1.47	48.4067	18.4647	6.6	4.3	43	0.0f	11	9	109	0.67	1.50	sx	BUD	19003264	BUD				134

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU10A	0.67	146.4	Lg	07:12:01.692	-1.6					T__						1119643	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
JAVC	0.69	311.0	Pg	07:11:53.864	0.9					T__		47.9			ML	1.6	1119641	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.69	311.0	Lg	07:12:01.399	-2.4					T__						1119642	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=0)																									
MODS	0.79	268.0	Pg	07:11:56.275	1.5					T__						1119640	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.79	268.0	Lg	07:12:05.270	-1.7					T__						1119644	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ZST	0.93	257.5	Lg	07:12:10.529	-0.9					T__						1119645	FDSN	SK	--	BUD	iLoc	HHN	???	_	
HU08A	1.04	200.6	Lg	07:12:14.546	-0.8					T__						1119646	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ET1H	1.08	118.7	Lg	07:12:16.226	-0.6					T__						1119647	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KECS	1.35	86.0	Sn	07:12:22.872	-0.8					T__						1119648	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	1.38	85.5	Sn	07:12:24.114	-0.4					T__						1119649	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
MORC	1.50	336.5	Lg	07:12:26.962	-0.3					T__						1119650	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/29	09:08:24.09	1.40	1.40	47.2395	18.3160	10.1	6.7	81	0.0f	6	5	110	0.13	1.27	sx	BUD	19003266	BUD				205
2023/06/29	09:08:24.16	1.03	0.95	47.2302	18.2835f				0.0f	6	5	109	0.13	1.29	kx	BUD_GT	19003267	BUD_GT				206

(locality: Iszkaszentgyörgy Hungary)  
(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.13	353.3	Pg	09:08:27.846	0.4					T__		194.7			ML	1.0	1119684	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.13	353.3	Lg	09:08:29.060	-1.5					T__						1119685	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=0)																									
HU08A	0.32	309.6	Lg	09:08:36.754	0.0					T__						1119686	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.51	263.5	Lg	09:08:43.201	0.4					T__						1119681	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MORH	1.05	166.2	Lg	09:08:59.415	-0.8					T__						1119682	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	1.29	57.1	Sn	09:09:08.983	1.1					T__						1119683	FDSN	GE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/29	09:17:55.30	1.21	0.98	48.5544	20.8281	5.8	5.6	35	0.0f	14	10	89	0.20	1.03	sx	BUD	19003268	BUD				174

Magnitude Err Nsta Author OrigID  
ML 1.6 0.1 5 BUD 19003268

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.20	253.1	Pg	09:17:59.502	-0.0					T__		605.3			ML	1.6	1119715	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.20	253.1	Lg	09:18:03.364	0.6					T__						1119716	FDSN	Z6	--	BUD	iLoc	HHN	???	_	

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(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
KECS 0.24 252.7 Pg 09:18:00.196 -0.1 T__ 1576.8 ___ ML 2.2 1119717 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.24 252.7 Lg 09:18:04.569 0.4 T__ ___ 1119718 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=0
CP16A 0.29 222.2 Pg 09:18:02.309 1.1 T__ 381.3 ___ ML 1.7 1119719 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP16A 0.29 222.2 Lg 09:18:06.025 0.3 T__ ___ 1119720 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
ABAH 0.38 133.2 Lg 09:18:09.093 -0.6 T__ ___ 1119723 FDSN HU -- BUD iLoc HHN ??? _
CP17A 0.40 212.3 Lg 09:18:07.705 -1.9 T__ ___ 1119721 FDSN Z6 00 BUD iLoc HHN ??? _
HU02A 0.48 205.2 Lg 09:18:12.525 -0.6 T__ ___ 1119722 FDSN Z6 00 BUD iLoc HHN ??? _
PSZ 0.89 224.8 Pg 09:18:14.406 0.3 T__ 36.8 ___ ML 1.6 1119724 FDSN GE -- BUD iLoc HHZ HHZ _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
ET1H 0.93 223.8 Pn 09:18:14.485 -0.0 T__ 28.3 ___ ML 1.5 1119727 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.93 223.8 Lg 09:18:26.317 -2.0 T__ ___ 1119726 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=0
NIE 0.93 338.3 Lg 09:18:25.879 -0.3 T__ ___ 1119725 FDSN PL -- BUD iLoc BHN ??? _
KOLS 1.03 67.8 Lg 09:18:31.065 0.1 T__ ___ 1119728 FDSN SK -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/06/29 09:55:24.91 1.08 1.05 47.5465 18.4277 9.1 3.5 102 0.0f 5 3 158 0.10 0.50 sx BUD 19003270 BUD 288
2023/06/29 09:55:24.84 0.99 0.91 47.5600 18.4573f 0.0f 5 3 161 0.09 0.47 kx BUD_GT 19003271 BUD_GT 274
(locality: Tatabánya Hungary)
(GT info : GT2 explosion)

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Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
HU09A 0.09 327.2 Pg 09:55:27.918 0.6 T__ 1169.9 ___ ML 1.6 1119753 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU09A 0.09 327.2 Lg 09:55:28.931 -0.7 T__ ___ 1119755 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=0
CSKK 0.24 214.2 Pg 09:55:30.200 0.1 T__ 141.2 ___ ML 1.1 1119752 FDSN HU -- BUD iLoc HHZ HHZ _
CSKK 0.24 214.2 Lg 09:55:33.259 -1.5 T__ ___ 1119756 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=0
HU10A 0.47 52.8 Lg 09:55:43.201 0.4 T__ ___ 1119754 FDSN Z6 00 BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/06/29 10:49:17.88 1.65 1.09 47.8830 20.1673 16.1 3.1 156 0.0f 13 9 207 0.19 0.83 sx BUD 19003272 BUD 222

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Magnitude Err Nsta Author OrigID
ML 1.6 0.1 5 BUD 19003272

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
PSZ 0.19 281.0 Pg 10:49:23.088 0.6 T__ 703.7 ___ ML 1.7 1119785 FDSN GE -- BUD iLoc HHZ HHZ _

```

PSZ	0.19	281.0	Lg	10:49:26.101	-0.1	T__									1119791	FDSN	GE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1)																							
(Station ML: 1.7 magdef=1)																							
ET1H	0.20	269.0	Pg	10:49:23.088	0.5	T__	537.7								1119786	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.20	269.0	Lg	10:49:25.544	-0.6	T__									1119787	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1)																							
(Station ML: 1.6 magdef=1)																							
HU02A	0.34	45.0	Pg	10:49:26.019	0.7	T__	126.3								1119789	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.34	45.0	Lg	10:49:30.073	-1.1	T__									1119788	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.3 magdef=1)																							
(Station ML: 1.3 magdef=0)																							
HU03A	0.38	273.3	Lg	10:49:31.944	-0.3	T__									1119792	FDSN	Z6	00	BUD	iLoc	HHN	???	_
CP17A	0.41	34.3	Pg	10:49:27.224	0.9	T__	185.9								1119790	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.7 magdef=1)																							
(Station ML: 1.7 magdef=0)																							
KECS	0.64	19.4	Lg	10:49:39.175	-1.3	T__									1119793	FDSN	SK	--	BUD	iLoc	EHN	???	_
JOS	0.66	22.0	Pg	10:49:31.944	0.8	T__	37.2								1119795	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.66	22.0	Lg	10:49:41.001	-0.3	T__									1119794	FDSN	Z6	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.4 magdef=1)																							
(Station ML: 1.4 magdef=1)																							
HU10A	0.77	267.6	Lg	10:49:44.653	-1.6	T__									1119796	FDSN	Z6	00	BUD	iLoc	HHN	???	_
ABAH	0.83	59.7	Lg	10:49:46.114	-1.8	T__									1119797	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/29	11:07:31.13	0.95	1.00	47.8573	16.0616	6.8	3.8	32	0.0f		10	7	86	0.15	1.51	sx	BUD	19003274	BUD			163

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.15	297.9	Pg	11:07:34.619	0.2					T__		412.9			ML	1.3	1119843	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.15	297.9	Lg	11:07:36.518	-0.2					T__						1119844	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
RONA	0.22	134.8	Pg	11:07:36.299	0.4					T__						1119846	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.22	134.8	Lg	11:07:39.111	-0.1					T__						1119845	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.71	211.2	Lg	11:07:52.696	-1.1					T__						1119847	FDSN	OE	--	BUD	iLoc	HHN	???	_	
MODS	0.96	57.2	Lg	11:08:04.601	-1.0					T__						1119848	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KRUC	1.23	10.3	Sn	11:08:11.612	-0.6					T__						1119849	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
VRAC	1.49	13.5	Sn	11:08:18.989	0.1					T__						1119852	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
CKRC	1.51	310.1	Pg	11:08:01.095	1.6					T__	82.7				ML	2.3	1119851	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
CKRC	1.51	310.1	Sn	11:08:20.961	1.3					T__						1119850	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/29	14:55:43.62	1.39	1.61	45.5009	17.8930	12.9	6.9	138	0.0f		9	7	110	0.42	1.74	sx	BUD	19003276	BUD			178

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.1	4 BUD	19003276

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
A273A	0.42	352.6	Pg	14:55:52.848	0.3					T__		394.1		---	ML	2.1	1120463	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
KOVH	0.61	13.8	Pg	14:55:55.946	-0.3					T__		45.6		---	ML	1.5	1120460	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
MORH	0.89	36.0	Pg	14:56:01.241	-0.3					T__		99.4		---	ML	2.0	1120461	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.89	36.0	Lg	14:56:15.593	0.6					T__				---			1120462	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
BLY	0.90	214.0	Lg	14:56:12.946	0.3					T__				---			1120464	FDSN	MN	--	BUD	iLoc	HHN	???	_
BEHE	1.24	321.6	Sn	14:56:24.381	-0.5					T__				---			1120465	FDSN	HU	--	BUD	iLoc	HHN	???	_
FRGS	1.40	103.6	Sn	14:56:31.844	2.8					T__				---			1120466	FDSN	SJ	--	BUD	iLoc	BHN	???	_
CRES	1.74	281.6	Pg	14:56:16.542	0.1					T__		29.0		---	ML	1.9	1120459	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	1.74	281.6	Lg	14:56:39.586	-2.6					T__				---			1120467	FDSN	SL	--	BUD	iLoc	BHN	???	_
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/30	07:58:56.73	2.23	1.14	48.1033	21.3145	14.3	5.6	132	0.0f		17	9	220	0.20	1.05	sx	BUD	19003288	BUD			272

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.0	8 BUD	19003288

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.20	345.5	Pg	07:59:01.497	0.3					T__		605.9		---	ML	1.6	1122177	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.20	345.5	Lg	07:59:04.163	-1.0					T__				---			1122189	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
HU02A	0.53	272.3	Pg	07:59:08.399	0.5					T__		52.7		---	ML	1.5	1122183	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.53	272.3	Lg	07:59:13.986	-2.5					T__				---			1122182	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=0)																									
CP17A	0.55	282.5	Pg	07:59:08.435	0.4					T__		156.4		---	ML	2.0	1122181	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.55	282.5	Lg	07:59:17.346	0.9					T__				---			1122180	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
CP16A	0.57	295.1	Pg	07:59:07.340	-0.9					T__		74.3		---	ML	1.7	1122179	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.57	295.1	Lg	07:59:18.222	1.2					T__				---			1122178	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
JOS	0.65	307.5	Pg	07:59:10.152	0.4					T__		59.8		---	ML	1.6	1122184	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.65	307.5	Lg	07:59:19.391	-0.3					T__				---			1122190	FDSN	Z6	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
KECS	0.67	304.8	Pg	07:59:10.900	0.7					T__		142.9		---	ML	2.0	1122185	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.67	304.8	Lg	07:59:20.286	-0.1					T__				---			1122191	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=0)																									
PSZ	0.97	259.5	Pn	07:59:17.309	0.7					T__		42.8		---	ML	1.7	1122186	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.97	259.5	Lg	07:59:31.521	-0.3					T__				---			1122188	FDSN	GE	--	BUD	iLoc	HHN	???	_

(Reading ML: 1.7 magdef=1  
 (Station ML: 1.7 magdef=1  
 ET1H 1.00 257.5 Pn 07:59:17.419 0.7 T\_\_ 35.9 \_\_\_ ML 1.6 1122187 FDSN HU -- BUD iLoc HHZ HHZ \_  
 ET1H 1.00 257.5 Lg 07:59:30.675 -1.5 T\_\_ \_\_\_ 1122192 FDSN HU -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.6 magdef=1  
 (Station ML: 1.6 magdef=1  
 KOLS 1.05 37.1 Lg 07:59:31.819 -1.8 T\_\_ \_\_\_ 1122193 FDSN SK -- BUD iLoc HHN ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/30	08:28:18.04	1.02	1.67	46.9278	17.3221	6.3	4.6	162	0.0f	8	6	134	0.12	1.16	sx	BUD	19003290	BUD				244

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
A261A	0.12	281.6	Pg	08:28:21.217	0.1					T__		3239.9		___	ML	2.1	1122227	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
A261A	0.12	281.6	Lg	08:28:23.810	0.1					T__				___		1122228	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 2.1 magdef=1 (Station ML: 2.1 magdef=1																										
BADH	0.16	139.8	Lg	08:28:23.601	-1.3					T__				___		1122229	FDSN	HU	--	BUD	iLoc	HHN	???	_		
MPLH	0.28	31.4	Pg	08:28:25.124	0.8					T__		145.2		___	ML	1.3	1122226	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
MPLH	0.28	31.4	Lg	08:28:27.910	-1.4					T__				___		1122230	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.3 magdef=1 (Station ML: 1.3 magdef=1																										
HU08A	0.65	38.9	Lg	08:28:41.276	-0.7					T__				___		1122231	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
KOVH	1.00	147.1	Lg	08:28:53.619	1.4					T__				___		1122232	FDSN	HU	--	BUD	iLoc	HHN	???	_		
MORH	1.16	127.6	Sn	08:28:59.955	2.7					T__				___		1122233	FDSN	HU	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/06/30	08:50:37.30	0.99	0.90	48.6916	18.7253	8.9	4.3	32	0.0f	13	10	133	0.72	1.33	sx	BUD	19003292	BUD					174

Magnitude Err Nsta Author OrigID  
 ML 1.7 0.1 3 BUD 19003292

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
JAVC	0.72	283.9	Pg	08:50:52.107	0.1					T__		67.0		___	ML	1.7	1122263	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_	
JAVC	0.72	283.9	Lg	08:51:02.187	-1.0					T__				___		1122264	FDSN	CZ	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=1																										
HU10A	0.87	166.9	Lg	08:51:08.811	0.1					T__				___		1122265	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
HU03A	0.98	143.2	Pn	08:50:58.331	1.0					T__		72.4		___	ML	1.9	1122267	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU03A	0.98	143.2	Lg	08:51:12.281	0.3					T__				___		1122266	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 1.9 magdef=1 (Station ML: 1.9 magdef=1																										
PSZ	1.10	134.3	Sn	08:51:15.314	-1.4					T__				___		1122268	FDSN	GE	--	BUD	iLoc	HHN	???	_		
ET1H	1.12	136.3	Sn	08:51:15.739	-0.9					T__				___		1122261	FDSN	HU	--	BUD	iLoc	HHN	???	_		
KECS	1.19	99.5	Lg	08:51:16.842	-0.9					T__				___		1122269	FDSN	SK	--	BUD	iLoc	EHN	???	_		
JOS	1.22	98.6	Lg	08:51:18.290	-0.4					T__				___		1122270	FDSN	Z6	--	BUD	iLoc	HHN	???	_		
CP17A	1.28	111.0	Sn	08:51:20.119	-0.1					T__				___		1122262	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
HU02A	1.33	114.7	Pn	08:51:03.469	1.1					T__		25.5		___	ML	1.6	1122260	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU02A	1.33	114.7	Sn	08:51:22.349	0.3					T__				___		1122272	FDSN	Z6	00	BUD	iLoc	HHN	???	_		



(Reading ML: 1.6 magdef=1  
 (Station ML: 1.6 magdef=1  
 MORC 1.33 324.9 Lg 08:51:21.657 1.0 T\_\_ --- 1122271 FDSN CZ -- BUD iLoc HHN ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/30	10:58:27.20	1.85	1.04	47.3670	16.4156	13.3	5.3	135	0.0f	10	6	229	0.33	1.70	sx	BUD	19003296	BUD				296

Magnitude Err Nsta Author OrigID  
 ML 1.6 0.0 3 BUD 19003296

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
SOP	0.33	16.9	Pg	10:58:34.035	-0.1					T__		136.0		---	ML	1.4	1122354	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.33	16.9	Lg	10:58:39.330	0.3					T__				---		1122358	FDSN	HU	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.4 magdef=1  
 (Station ML: 1.4 magdef=1  
 RONA 0.34 346.4 Pg 10:58:33.487 -0.8 T\_\_ --- 1122353 FDSN OE -- BUD iLoc HHZ ??? \_  
 RONA 0.34 346.4 Lg 10:58:39.440 0.2 T\_\_ --- 1122357 FDSN OE -- BUD iLoc HHN ??? \_  
 ARSA 0.62 259.5 Pg 10:58:40.024 0.8 T\_\_ --- ML 1.6 1122355 FDSN OE -- BUD iLoc HHZ HHZ \_  
 ARSA 0.62 259.5 Lg 10:58:45.575 -1.4 T\_\_ --- 1122356 FDSN OE -- BUD iLoc HHN ??? \_

(Reading ML: 1.6 magdef=1  
 (Station ML: 1.6 magdef=1  
 CONA 0.68 326.5 Pg 10:58:41.631 1.0 T\_\_ 52.4 --- ML 1.6 1122352 FDSN OE -- BUD iLoc HHZ HHZ \_  
 CONA 0.68 326.5 Lg 10:58:49.993 0.4 T\_\_ --- 1122359 FDSN OE -- BUD iLoc HHN ??? \_

(Reading ML: 1.6 magdef=1  
 (Station ML: 1.6 magdef=1  
 MODS 1.16 29.6 Sn 10:59:06.950 -0.3 T\_\_ --- 1122360 FDSN SK -- BUD iLoc HHN ??? \_  
 KRUC 1.70 359.5 Sn 10:59:21.544 1.6 T\_\_ --- 1122361 FDSN CZ -- BUD iLoc HHN ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/06/30	13:25:50.42	1.14	0.89	47.9183	16.5252	8.2	4.8	122	0.0f	7	5	167	0.27	1.15	sx	BUD	19003300	BUD				219

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
RONA	0.27	215.3	Pg	13:25:55.731	-0.3					T__				---		1123100	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.27	215.3	Lg	13:25:59.437	-0.5					T__				---		1123101	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.45	271.5	Pg	13:25:59.199	-0.2					T__	36.0			---	ML	1.1	1123103	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.45	271.5	Lg	13:26:05.791	0.4					T__				---		1123102	FDSN	OE	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.1 magdef=1  
 (Station ML: 1.1 magdef=0  
 MODS 0.68 47.6 Lg 13:26:15.706 0.5 T\_\_ --- 1123105 FDSN SK -- BUD iLoc HHN ??? \_  
 ARSA 0.95 225.8 Lg 13:26:22.288 1.5 T\_\_ --- 1123104 FDSN OE -- BUD iLoc HHN ??? \_  
 KRUC 1.15 355.7 Lg 13:26:28.964 -0.4 T\_\_ --- 1123106 FDSN CZ -- BUD iLoc HHN ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/01	14:33:34.77	1.48	0.72	46.1370	16.5452	10.3	5.7	143	11.0f	7	4	222	0.37	1.32	ke	BUD	19003318	BUD				301

Magnitude Err Nsta Author OrigID  
 ML 1.6 0.1 3 BUD 19003318

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BEHE	0.37	25.5	Pg	14:33:42.379	-0.2					T__		197.9		___	ML	1.6	1126965	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BEHE	0.37	25.5	Lg	14:33:48.423	0.5					T__				---		1126969	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
KOGS	0.37	326.8	Pg	14:33:42.635	0.2					T__		102.7		___	ML	1.3	1126967	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.37	326.8	Lg	14:33:47.328	-0.2					T__				---		1126968	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
CRES	0.82	248.1	Pg	14:33:50.642	0.4					T__		50.6		___	ML	1.7	1126966	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.82	248.1	Lg	14:34:01.561	-1.2					T__				---		1126970	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
ARSA	1.32	328.1	Lg	14:34:16.074	-0.4					T__				---		1126971	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/01	16:23:20.53	2.35	1.39	46.0741	21.5810	17.7	8.5	130	10.0f		9	6	172	0.46	1.65	ke	BUD	19003320	BUD			230

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.4	3 BUD	19003320

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BZS	0.46	176.9	Pg	16:23:29.441	-0.3					T__		144.5		___	ML	1.7	1127162	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.46	176.9	Lg	16:23:36.279	0.0					T__				---		1127161	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
DRGR	1.06	47.0	Lg	16:23:55.020	-0.5					T__				---		1127164	FDSN	RO	--	BUD	iLoc	HHN	???	_	
GZR	1.08	128.7	Pg	16:23:41.704	0.6					T__		175.3		___	ML	2.3	1127158	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	1.08	128.7	Lg	16:23:55.471	-0.1					T__				---		1127159	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=1)																									
CJR	1.54	64.7	Lg	16:24:09.503	-0.6					T__				---		1127163	FDSN	RO	--	BUD	iLoc	HHN	???	_	
FRGS	1.54	234.2	Sn	16:24:10.179	2.7					T__				---		1127165	FDSN	SJ	--	BUD	iLoc	BHN	???	_	
LOT	1.65	111.4	Pn	16:23:50.687	1.4					T__		37.9		___	ML	2.0	1127160	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
LOT	1.65	111.4	Lg	16:24:13.000	-1.1					T__				---		1127166	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/07/02	14:19:17.39	1.29	0.53	46.4586	17.7311	25.8	4.7	35	9.9		8.6	6	4	168	0.06	0.68	ke	BUD	19003328	BUD			325

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
A265A	0.06	127.5	Pg	14:19:19.683	-0.0					T__		361.1		___	ML	1.0	1128658	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A265A	0.06	127.5	Lg	14:19:21.377	-0.1					T__				---		1128661	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
A263A	0.34	302.5	Pg	14:19:24.303	-0.3					T__		115.2		___	ML	1.3	1128657	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_

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A263A 0.34 302.5 Lg      14:19:30.219  0.6          T__          ---          1128656  FDSN Z6      00 BUD  iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
KOVH  0.45 145.2 Lg      14:19:33.131  0.1          T__          ---          1128659  FDSN HU      -- BUD  iLoc HHN ??? _
MORH  0.68 110.8 Lg      14:19:40.838  0.2          T__          ---          1128660  FDSN HU      -- BUD  iLoc HHN ??? _

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Date      Time      Err    RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author      OrigID  Rep  DPdep  Err Sgp
2023/07/03 02:07:23.72  1.67  1.43  45.9793  16.2162  15.4  5.0 121  9.0f      7  4 223  0.19  0.55  ke BUD      19003334  BUD                332

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Magnitude Err Nsta Author      OrigID
ML      1.2 0.2  4 BUD      19003334

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Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
PTJ  0.19 247.4 Pg      02:07:28.904  0.8          T__          108.0          --- ML  0.9 1129698  FDSN CR      -- BUD  iLoc  BHZ BHZ _
PTJ  0.19 247.4 Lg      02:07:29.999 -1.5          T__          ---          1129697  FDSN CR      -- BUD  iLoc  BHN ??? _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=1
ZAG  0.22 226.5 Pg      02:07:29.013  0.6          T__          1025.4         --- ML  1.9 1129695  FDSN CR      -- BUD  iLoc  BHZ BHZ _
ZAG  0.22 226.5 Lg      02:07:30.620 -1.2          T__          ---          1129696  FDSN CR      -- BUD  iLoc  BHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
KOGS 0.47  2.9 Pg      02:07:33.432  0.3          T__          34.9          --- ML  1.1 1129701  FDSN SL      -- BUD  iLoc  BHZ BHZ _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=1
CRES 0.55 254.1 Pg      02:07:35.989  1.5          T__          22.3          --- ML  1.2 1129699  FDSN SL      -- BUD  iLoc  BHZ BHZ _
CRES 0.55 254.1 Lg      02:07:41.539 -1.2          T__          ---          1129700  FDSN SL      -- BUD  iLoc  BHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1

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Date      Time      Err    RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author      OrigID  Rep  DPdep  Err Sgp
2023/07/03 06:52:32.60  1.06  1.78  46.0077  22.8453  11.5  4.6  79  0.0f      7  4 168  0.13  0.94  sx BUD      19003338  BUD                275

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Magnitude Err Nsta Author      OrigID
ML      1.5 0.2  3 BUD      19003338

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Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
DEV  0.13 162.0 Pg      06:52:35.158  0.1          T__          428.2          --- ML  1.3 1130151  FDSN RO      -- BUD  iLoc  HHZ HHZ _
DEV  0.13 162.0 Lg      06:52:37.221  0.3          T__          ---          1130150  FDSN RO      -- BUD  iLoc  HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
GZR  0.62 184.5 Pg      06:52:44.043 -0.4          T__          41.7          --- ML  1.5 1130155  FDSN RO      -- BUD  iLoc  HHZ HHZ _
GZR  0.62 184.5 Lg      06:52:53.757  0.5          T__          ---          1130156  FDSN RO      -- BUD  iLoc  HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
DRGR 0.79 353.3 Pg      06:52:49.163  0.7          T__          44.2          --- ML  1.6 1130152  FDSN RO      -- BUD  iLoc  HHZ HHZ _
DRGR 0.79 353.3 Lg      06:52:57.270 -3.4          T__          ---          1130153  FDSN RO      -- BUD  iLoc  HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
BZS  0.94 246.0 Lg      06:53:04.646  0.3          T__          ---          1130154  FDSN RO      -- BUD  iLoc  HHN ??? _

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/03	06:54:16.96	1.03	0.62	47.9311	16.0344	7.3	4.2	27	0.0f	6	3	130	0.12	1.16	sx	BUD	19003340	BUD				256

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
CONA	0.12	268.7	Pg	06:54:19.665	0.1					T__		151.4		---	ML	0.8	1130177	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.12	268.7	Lg	06:54:21.089	-0.3					T__				---		1130180	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=1)																									
RONA	0.29	142.6	Pg	06:54:22.897	-0.1					T__				---		1130179	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.29	142.6	Lg	06:54:27.461	0.3					T__				---		1130178	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.16	11.8	Pg	06:54:39.790	0.6					T__		35.3		---	ML	1.7	1130182	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.16	11.8	Lg	06:54:55.511	-0.7					T__				---		1130181	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/07/03	08:31:54.31	3.57	0.50	48.5402	20.8461	20.1	11.8	65	0.0f	8	5	309	0.21	0.93	sx	BUD	19003342	BUD					327

Magnitude Err Nsta Author OrigID  
ML 1.4 0.2 3 BUD 19003342

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
JOS	0.21	257.8	Pg	08:31:58.639	-0.0					T__		144.7		---	ML	1.0	1130204	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.21	257.8	Lg	08:32:02.108	0.0					T__				---		1130205	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
KECS	0.25	256.8	Pg	08:31:59.338	-0.1					T__		291.2		---	ML	1.4	1130207	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.25	256.8	Lg	08:32:03.277	-0.1					T__				---		1130206	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
HU02A	0.47	207.2	Lg	08:32:11.539	-0.4					T__				---		1130208	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.89	226.0	Pn	08:32:14.064	0.9					T__		38.2		---	ML	1.6	1130211	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.89	226.0	Lg	08:32:26.919	0.5					T__				---		1130210	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
ET1H	0.93	224.9	Lg	08:32:27.388	0.1					T__				---		1130209	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/07/03	18:13:15.58	3.29	1.96	45.9961	17.0922	23.7	11.5	37	10.0f	7	5	179	0.21	1.15	ke	BUD	19003350	BUD					291

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
A264A	0.21	40.0	Pg	18:13:19.613	-0.8					T__		165.7		---	ML	1.1	1130378	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A264A	0.21	40.0	Lg	18:13:23.246	-0.5					T__				---		1130379	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=0)																									

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A263A 0.66 13.4 Pg      18:13:29.423  0.7      T__      129.8      ___ ML      2.0 1130377  FDSN Z6      00 BUD  iLoc  HHZ HHZ  _
A263A 0.66 13.4 Lg      18:13:37.785  0.1      T__      ___      ___      1130382  FDSN Z6      00 BUD  iLoc  HHN ???  _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=0
KOVH  0.71 82.2 Lg      18:13:39.750  0.7      T__      ___      ___      1130380  FDSN HU      -- BUD  iLoc  HHN ???  _
MORH  1.10 78.0 Lg      18:13:54.654  3.3      T__      ___      ___      1130381  FDSN HU      -- BUD  iLoc  HHN ???  _
CRES  1.15 262.1 Sn     18:13:54.411  1.6      T__      ___      ___      1130383  FDSN SL      -- BUD  iLoc  BHN ???  _

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Date      Time      Err      RMS Latitude Longitude Smaj Smin Az Depth  Err Ndef Nsta Gap mdist Mdist Qual  Author      OrigID      Rep  DPdep  Err Sgp
2023/07/04 08:12:49.24  1.14  1.15  48.0053  20.3322  17.3  3.2 147  0.0f      9  5 183  0.17  0.67  sx BUD      19003358      BUD      200

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Magnitude Err Nsta Author      OrigID
ML      1.1 0.1  5 BUD      19003358

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Sta  Dist EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
HU02A 0.17 47.8 Pg      08:12:53.592  0.2      T__      221.8      ___ ML      1.1 1133916  FDSN Z6      00 BUD  iLoc  HHZ HHZ  _
HU02A 0.17 47.8 Lg      08:12:55.902 -0.9      T__      ___      ___      1133918  FDSN Z6      00 BUD  iLoc  HHN ???  _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=1
CP17A 0.25 29.2 Pg      08:12:55.205  0.7      T__      167.8      ___ ML      1.2 1133917  FDSN Z6      00 BUD  iLoc  HHZ HHZ  _
CP17A 0.25 29.2 Lg      08:12:58.239 -0.3      T__      ___      ___      1133919  FDSN Z6      00 BUD  iLoc  HHN ???  _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
PSZ   0.31 253.7 Pg     08:12:56.878  0.6      T__      65.2      ___ ML      1.0 1133914  FDSN GE      -- BUD  iLoc  HHZ HHZ  _
(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=1
ET1H  0.33 248.0 Pg     08:12:57.138  0.5      T__      23.2      ___ ML      0.6 1133915  FDSN HU      -- BUD  iLoc  HHZ HHZ  _
ET1H  0.33 248.0 Lg     08:13:00.853 -1.2      T__      ___      ___      1133920  FDSN HU      -- BUD  iLoc  HHN ???  _
(Reading ML: 0.6 magdef=1
(Station ML: 0.6 magdef=0
ABAH  0.67 64.1 Pg      08:13:03.720  0.9      T__      49.0      ___ ML      1.6 1133913  FDSN HU      -- BUD  iLoc  HHZ HHZ  _
ABAH  0.67 64.1 Lg      08:13:12.279 -1.8      T__      ___      ___      1133921  FDSN HU      -- BUD  iLoc  HHN ???  _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=0

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Date      Time      Err      RMS Latitude Longitude Smaj Smin Az Depth  Err Ndef Nsta Gap mdist Mdist Qual  Author      OrigID      Rep  DPdep  Err Sgp
2023/07/04 08:29:39.76  0.99  1.06  48.4152  17.3072  7.8  3.0 113  0.0f      12  6 177  0.05  1.08  sx BUD      19003360      BUD      248

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Magnitude Err Nsta Author      OrigID
ML      1.7 0.2  3 BUD      19003360

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Sta  Dist EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
MODS  0.05 205.5 Pg     08:29:41.092 -0.3      T__      ___      ___      1133953  FDSN SK      -- BUD  iLoc  HHZ ???  _
MODS  0.05 205.5 Lg     08:29:42.924 -0.1      T__      ___      ___      1133954  FDSN SK      -- BUD  iLoc  HHN ???  _
ZST   0.26 212.0 Pg     08:29:44.797 -0.6      T__      ___      ___      1133955  FDSN SK      -- BUD  iLoc  HHZ ???  _
ZST   0.26 212.0 Lg     08:29:49.439 -0.5      T__      ___      ___      1133956  FDSN SK      -- BUD  iLoc  HHN ???  _
JAVC  0.51 28.4 Pg      08:29:50.844  0.5      T__      236.5      ___ ML      2.1 1133957  FDSN CZ      -- BUD  iLoc  HHZ HHZ  _
JAVC  0.51 28.4 Lg      08:29:57.594 -1.0      T__      ___      ___      1133964  FDSN CZ      -- BUD  iLoc  HHN ???  _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1

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KRUC 0.89 317.3 Pg 08:29:56.635 -0.1 T\_\_ 36.4 --- ML 1.6 1133958 FDSN CZ -- BUD iLoc HHZ HHZ \_  
KRUC 0.89 317.3 Lg 08:30:08.772 -1.1 T\_\_ --- 1133959 FDSN CZ -- BUD iLoc HHN ??? \_  
(Reading ML: 1.6 magdef=1  
(Station ML: 1.6 magdef=1  
RONA 0.99 223.8 Pg 08:29:59.531 0.2 T\_\_ --- 1133961 FDSN OE -- BUD iLoc HHZ ??? \_  
RONA 0.99 223.8 Lg 08:30:14.393 2.2 T\_\_ --- 1133960 FDSN OE -- BUD iLoc HHN ??? \_  
CONA 1.08 243.8 Pg 08:30:00.553 -0.6 T\_\_ 39.8 --- ML 1.7 1133962 FDSN OE -- BUD iLoc HHZ HHZ \_  
CONA 1.08 243.8 Lg 08:30:16.564 1.4 T\_\_ --- 1133963 FDSN OE -- BUD iLoc HHN ??? \_  
(Reading ML: 1.7 magdef=1  
(Station ML: 1.7 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/04	09:06:42.64	1.19	1.64	47.7392	18.7292	10.6	4.1	150	0.0f	10	9	117	0.22	1.36	sx	BUD	19003362	BUD				186

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
HU10A	0.22	61.4	Lg	09:06:51.281	-0.5					T__						1133997	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
BUD	0.32	141.9	Lg	09:06:55.099	-0.4					T__						1133991	FDSN	HU	--	BUD	iLoc	HHN	???	_		
CSKK	0.49	220.3	Pg	09:06:53.572	0.8					T__	83.5			---	ML	1.6	1133990	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
CSKK	0.49	220.3	Lg	09:07:00.205	-1.1					T__						1133992	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=0																										
ET1H	0.78	79.3	Lg	09:07:10.475	-0.4					T__						1133988	FDSN	HU	--	BUD	iLoc	HHN	???	_		
PSZ	0.81	76.7	Lg	09:07:11.497	-0.6					T__						1133989	FDSN	GE	--	BUD	iLoc	HHN	???	_		
MPLH	0.99	235.3	Lg	09:07:15.887	-0.9					T__						1133993	FDSN	HU	--	BUD	iLoc	HHN	???	_		
MODS	1.16	303.6	Sn	09:07:21.205	-2.2					T__						1133994	FDSN	SK	--	BUD	iLoc	HHN	???	_		
HU02A	1.27	71.7	Sn	09:07:23.751	-1.9					T__						1133995	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
CP16A	1.36	62.9	Sn	09:07:29.829	2.6					T__						1133996	FDSN	Z6	00	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/07/04	09:33:08.34	0.96	1.05	47.8599	16.0655	6.3	3.9	33	0.0f	8	5	85	0.15	1.22	sx	BUD	19003364	BUD					160

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
CONA	0.15	296.6	Pg	09:33:11.955	0.3					T__	325.7			---	ML	1.2	1134016	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_	
CONA	0.15	296.6	Lg	09:33:14.063	0.1					T__						1134017	FDSN	OE	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.2 magdef=1 (Station ML: 1.2 magdef=1																										
RONA	0.22	135.7	Pg	09:33:13.860	0.8					T__						1134019	FDSN	OE	--	BUD	iLoc	HHZ	???	_		
RONA	0.22	135.7	Lg	09:33:15.819	-0.6					T__						1134018	FDSN	OE	--	BUD	iLoc	HHN	???	_		
ARSA	0.71	211.3	Lg	09:33:29.736	-1.3					T__						1134021	FDSN	OE	--	BUD	iLoc	HHN	???	_		
MODS	0.96	57.2	Lg	09:33:41.263	-1.4					T__						1134020	FDSN	SK	--	BUD	iLoc	HHN	???	_		
KRUC	1.22	10.2	Pg	09:33:32.632	0.8					T__	27.8			---	ML	1.6	1134023	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_	
KRUC	1.22	10.2	Sn	09:33:49.495	0.1					T__						1134022	FDSN	CZ	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=1																										

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/04	11:01:35.20	1.97	2.11	47.2554	18.2403	14.7	7.0	142	0.0f		8	6	124	0.11	1.30	sx	BUD	19003368	BUD			200

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.11	7.3	Pg	11:01:38.325	0.3					T__		224.0		---	ML	1.0	1134063	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.11	7.3	Lg	11:01:40.194	-0.6					T__				---		1134065	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
HU08A	0.28	309.4	Lg	11:01:46.326	-0.1					T__				---		1134066	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.49	260.1	Lg	11:01:52.713	-0.3					T__				---		1134067	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOVH	1.17	184.8	Sn	11:02:13.239	-2.0					T__				---		1134068	FDSN	HU	--	BUD	iLoc	HHN	???	_	
ET1H	1.27	59.9	Sn	11:02:15.198	-2.7					T__				---		1134069	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	1.30	58.8	Pn	11:02:00.804	1.1					T__		29.5		---	ML	1.7	1134070	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.30	58.8	Sn	11:02:16.202	-3.0					T__				---		1134064	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/04	23:37:18.28	3.72	2.53	47.6933	16.4409	47.8	6.1	10	12.1	13.6	7	4	176	0.08	0.88	ke	BUD	19003372	BUD			234

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
SOP	0.08	97.2	Pg	23:37:21.132	0.0					T__		32.1		---	ML	0.0	1134764	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.08	97.2	Lg	23:37:23.154	0.0					T__				---		1134765	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.0 magdef=1)																									
(Station ML: 0.0 magdef=1)																									
RONA	0.10	273.8	Pg	23:37:21.238	-0.2					T__				_d_		1134760	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.10	273.8	Lg	23:37:23.431	-0.3					T__				---		1134761	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.46	301.3	Pg	23:37:28.222	0.5					T__		23.5		---	ML	0.9	1134763	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.46	301.3	Lg	23:37:33.662	-0.3					T__				---		1134762	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
MODS	0.88	39.2	Sn	23:37:44.716	-4.3					T__				---		1134766	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/05	03:56:48.43	1.26	1.09	45.6259	16.0498	8.3	5.9	8	10.0f		18	12	158	0.21	1.90	ke	BUD	19003374	BUD			219

Magnitude Err Nsta Author OrigID  
ML 2.2 0.2 6 BUD 19003374

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ZAG	0.21	347.7	Pg	03:56:52.945	0.0					T__		2499.9		---	ML	2.3	1134837	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.21	347.7	Lg	03:56:56.726	0.6					T__				---		1134838	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=1)																									
PTJ	0.29	348.5	Pg	03:56:53.917	-0.8					T__		349.5		---	ML	1.6	1134836	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.29	348.5	Lg	03:56:58.570	-0.8					T__				---		1134846	FDSN	CR	--	BUD	iLoc	BHN	???	_	

```

(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=0
CRES 0.46 295.9 Pg 03:56:57.510 -0.0 T__ 168.1 ___ ML 1.8 1134839 FDSN SL -- BUD iLoc BHZ BHZ _
CRES 0.46 295.9 Lg 03:57:04.296 -0.2 T__ ___ 1134847 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
KOGS 0.83 9.6 Pn 03:57:05.782 0.0 T__ 245.4 ___ ML 2.4 1134840 FDSN SL -- BUD iLoc BHZ BHZ _
KOGS 0.83 9.6 Lg 03:57:17.107 1.5 T__ ___ 1134848 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=1
BEHE 0.98 30.6 Pn 03:57:08.392 0.7 T__ 324.8 ___ ML 2.6 1134841 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 2.6 magdef=1
(Station ML: 2.6 magdef=0
A264A 1.02 57.9 Lg 03:57:22.311 0.8 T__ ___ 1134842 FDSN Z6 00 BUD iLoc HHN ??? _
BLY 1.19 137.2 Lg 03:57:26.059 -0.4 T__ ___ 1134849 FDSN MN -- BUD iLoc HHN ??? _
BLY 1.19 137.2 Sn 03:57:26.487 -0.7 T__ ___ 1134843 FDSN MN -- BUD iLoc HHN ??? _
A273A 1.27 76.1 Lg 03:57:30.106 1.1 T__ ___ 1134844 FDSN Z6 00 BUD iLoc HHN ??? _
OBKA 1.37 310.8 Pn 03:57:15.390 1.6 T__ 65.6 ___ ML 2.1 1134845 FDSN OE -- BUD iLoc HHZ HHZ _
OBKA 1.37 310.8 Lg 03:57:34.006 1.3 T__ ___ 1134850 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
A265A 1.46 56.1 Lg 03:57:36.159 1.1 T__ ___ 1134851 FDSN Z6 00 BUD iLoc HHN ??? _
KOVH 1.51 71.4 Lg 03:57:35.714 -0.8 T__ ___ 1134852 FDSN HU -- BUD iLoc HHN ??? _
MORH 1.90 71.1 Lg 03:57:46.877 -2.2 T__ ___ 1134853 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/07/05 07:11:45.57 2.29 0.43 48.2415 21.2302 16.0 4.0 128 0.0f 9 7 242 0.06 0.98 sx BUD 19003376 BUD 309

```

```

Magnitude Err Nsta Author OrigID
ML 1.3 0.2 3 BUD 19003376

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
ABAH 0.06 6.6 Pg 07:11:47.397 0.1 T__ 784.2 ___ ML 1.3 1134912 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.06 6.6 Lg 07:11:48.438 -0.5 T__ ___ 1134914 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
CP16A 0.47 282.6 Lg 07:12:02.481 0.1 T__ ___ 1134915 FDSN Z6 00 BUD iLoc HHN ??? _
CP17A 0.48 267.6 Lg 07:12:03.215 0.3 T__ ___ 1134916 FDSN Z6 00 BUD iLoc HHN ??? _
HU02A 0.49 256.1 Pg 07:11:55.945 0.0 T__ 37.5 ___ ML 1.2 1134913 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.49 256.1 Lg 07:12:03.013 -0.8 T__ ___ 1134917 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
JOS 0.53 299.2 Lg 07:12:04.287 0.0 T__ ___ 1134918 FDSN Z6 -- BUD iLoc HHN ??? _
KECS 0.55 296.2 Lg 07:12:05.210 0.0 T__ ___ 1134919 FDSN SK -- BUD iLoc EHN ??? _
ET1H 0.98 248.8 Pn 07:12:05.547 0.1 T__ 31.7 ___ ML 1.5 1134920 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/07/05 09:26:39.84 1.19 0.87 47.9110 16.1134 9.2 4.3 35 0.0f 8 5 140 0.17 1.51 sx BUD 19003378 BUD 202

```



Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.17	275.9	Pg	09:26:43.471	0.0					T__		138.5		---	ML	0.9	1134958	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.17	275.9	Lg	09:26:45.306	-0.7					T__				---		1134959	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
RONA	0.24	149.7	Pg	09:26:45.133	0.1					T__				---		1134961	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.24	149.7	Lg	09:26:47.627	-0.9					T__				---		1134960	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.77	211.4	Lg	09:27:05.653	1.2					T__				---		1134962	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.17	9.1	Pg	09:27:02.958	0.7					T__		27.4		---	ML	1.6	1134964	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.17	9.1	Sn	09:27:20.164	0.6					T__				---		1134963	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
CKRC	1.51	307.8	Sn	09:27:28.494	0.3					T__				---		1134965	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/05	09:52:43.23	2.44	0.59	47.5516	18.4432	23.1	3.8	96	0.0f		5	3	238	0.10	0.72	sx	BUD	19003382	BUD			334

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU09A	0.10	334.7	Pg	09:52:45.972	0.3					T__		1464.2		---	ML	1.7	1135017	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU09A	0.10	334.7	Lg	09:52:47.342	-0.8					T__				---		1135018	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
CSKK	0.23	213.4	Pg	09:52:48.219	-0.1					T__		134.6		---	ML	1.1	1135020	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.23	213.4	Lg	09:52:52.821	0.1					T__				---		1135019	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
MPLH	0.72	238.5	Lg	09:53:08.965	0.2					T__				---		1135021	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/05	10:08:07.01	1.70	0.52	46.5321	22.4118	29.1	7.8	114	0.0f		4	3	186	0.33	1.17	sx	BUD	19003384	BUD			315

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DRGR	0.33	38.3	Pg	10:08:14.082	0.1					T__		53.6		---	ML	1.0	1135037	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	0.33	38.3	Lg	10:08:19.205	-0.4					T__				---		1135038	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=0)																									
BZS	1.07	211.4	Lg	10:08:42.575	-0.3					T__				---		1135039	FDSN	RO	--	BUD	iLoc	HHN	???	_	
GZR	1.17	167.3	Lg	10:08:45.424	-0.0					T__				---		1135040	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/05	10:39:41.01	2.06	0.66	47.8515	20.1522	18.2	3.5	159	0.0f		11	7	235	0.19	0.69	sx	BUD	19003386	BUD			245

Magnitude Err Nsta Author OrigID  
ML 1.3 0.1 4 BUD 19003386

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
PSZ	0.19	291.2	Pg	10:39:46.041	0.5					T__		397.6		---	ML	1.4	1135064	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.19	291.2	Lg	10:39:48.589	-0.7					T__				---		1135065	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1 Station ML: 1.4 magdef=1)																									
ET1H	0.19	278.4	Pg	10:39:46.041	0.5					T__		248.2		---	ML	1.2	1135066	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.19	278.4	Lg	10:39:48.068	-0.9					T__				---		1135070	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1 Station ML: 1.2 magdef=1)																									
HU02A	0.37	42.6	Pg	10:39:49.123	0.1					T__		89.7		---	ML	1.3	1135067	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.37	42.6	Lg	10:39:54.438	-0.9					T__				---		1135072	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1 Station ML: 1.3 magdef=1)																									
HU03A	0.38	278.2	Lg	10:39:54.554	-0.6					T__				---		1135071	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP17A	0.44	33.1	Pg	10:39:50.246	0.1					T__		76.3		---	ML	1.4	1135068	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.44	33.1	Lg	10:39:57.643	0.6					T__				---		1135073	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1 Station ML: 1.4 magdef=1)																									
KECS	0.67	19.3	Lg	10:40:04.721	-0.0					T__				---		1135074	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JDS	0.69	21.8	Lg	10:40:05.479	-0.1					T__				---		1135069	FDSN	Z6	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/05	23:43:42.03	1.25	1.31	45.6337	16.0143	8.2	7.4	16	10.0f		17	11	159	0.19	1.92	ke	BUD	19003396	BUD			219

Magnitude Err Nsta Author OrigID  
ML 1.8 0.2 8 BUD 19003396

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ZAG	0.19	354.4	Pg	23:43:46.232	-0.1					T__		1327.8		---	ML	2.0	1135323	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.19	354.4	Lg	23:43:50.013	0.6					T__				---		1135324	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.0 magdef=1 Station ML: 2.0 magdef=1)																									
PTJ	0.28	353.3	Pg	23:43:47.219	-0.9					T__		151.6		---	ML	1.2	1135325	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.28	353.3	Lg	23:43:50.640	-2.0					T__				---		1135338	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.2 magdef=1 Station ML: 1.2 magdef=0)																									
CRES	0.44	296.4	Pg	23:43:50.835	0.2					T__		67.5		---	ML	1.3	1135326	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.3 magdef=1 Station ML: 1.3 magdef=1)																									
KOGS	0.83	11.3	Pg	23:43:59.041	1.1					T__		119.2		---	ML	2.0	1135330	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.83	11.3	Lg	23:44:11.369	2.3					T__				---		1135329	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.0 magdef=1 Station ML: 2.0 magdef=1)																									
BEHE	0.99	32.1	Pn	23:44:01.695	0.3					T__		186.5		---	ML	2.3	1135333	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BEHE	0.99	32.1	Sn	23:44:16.465	1.0					T__				---		1135331	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.3 magdef=1 Station ML: 2.3 magdef=0)																									
A264A	1.03	59.0	Lg	23:44:16.542	0.9					T__				---		1135334	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
BLY	1.21	136.5	Pn	23:44:03.972	-0.8					T__		47.3		---	ML	1.8	1135328	FDSN	MN	--	BUD	iLoc	HHZ	HHZ	_

```

BLY 1.21 136.5 Lg 23:44:19.589 -1.2 T__ --- 1135327 FDSN MN -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
A273A 1.29 76.7 Sn 23:44:23.260 0.7 T__ --- 1135332 FDSN Z6 00 BUD iLoc HHN ??? _
OBKA 1.34 311.2 Pn 23:44:08.846 1.8 T__ 36.0 --- ML 1.8 1135335 FDSN OE -- BUD iLoc HHZ HHZ _
OBKA 1.34 311.2 Lg 23:44:26.410 0.9 T__ --- 1135339 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
KOVH 1.53 71.9 Pn 23:44:09.172 0.6 T__ 21.2 --- ML 1.7 1135336 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
MORH 1.92 71.5 Lg 23:44:41.349 -2.0 T__ --- 1135337 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/07/06 06:36:17.60 0.98 0.34 47.8734 16.0887 6.8 4.0 29 0.0f 8 6 83 0.16 1.52 sx BUD 19003398 BUD 154

```

Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CONA 0.16 289.8 Pg 06:36:21.005 -0.1 T__ 153.6 --- ML 0.9 1135372 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.16 289.8 Lg 06:36:23.671 0.1 T__ --- 1135373 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=0
RONA 0.22 141.1 Pg 06:36:22.387 0.0 T__ --- 1135375 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.22 141.1 Lg 06:36:25.528 -0.1 T__ --- 1135374 FDSN OE -- BUD iLoc HHN ??? _
ARSA 0.73 211.8 Lg 06:36:40.961 -0.0 T__ --- 1135376 FDSN OE -- BUD iLoc HHN ??? _
MODS 0.94 57.4 Lg 06:36:51.205 -0.0 T__ --- 1135379 FDSN SK -- BUD iLoc HHN ??? _
KRUC 1.21 9.6 Sn 06:36:58.098 -0.2 T__ --- 1135377 FDSN CZ -- BUD iLoc HHN ??? _
CKRC 1.52 309.2 Sn 06:37:06.921 0.7 T__ --- 1135378 FDSN CZ -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/07/06 06:56:43.10 1.18 0.96 48.5602 19.2533 6.7 5.2 1 0.0f 15 11 135 0.70 1.66 sx BUD 19003400 BUD 167

```

Magnitude Err Nsta Author OrigID  
ML 1.9 0.2 4 BUD 19003400

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU03A 0.70 160.4 Lg 06:57:08.314 0.3 T__ --- 1135413 FDSN Z6 00 BUD iLoc HHN ??? _
HU10A 0.73 192.5 Lg 06:57:09.437 -0.3 T__ --- 1135414 FDSN Z6 00 BUD iLoc HHN ??? _
PSZ 0.77 146.0 Lg 06:57:10.070 -1.1 T__ --- 1135415 FDSN GE -- BUD iLoc HHN ??? _
ET1H 0.80 148.5 Lg 06:57:10.423 -1.2 T__ --- 1135416 FDSN HU -- BUD iLoc HHN ??? _
KECS 0.82 94.9 Pg 06:57:00.316 0.8 T__ 132.6 --- ML 2.1 1135407 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.82 94.9 Lg 06:57:11.089 -0.7 T__ --- 1135408 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
JOS 0.86 93.8 Pg 06:57:00.603 0.5 T__ 71.7 --- ML 1.8 1135410 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.86 93.8 Lg 06:57:12.070 -0.8 T__ --- 1135409 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
CP17A 0.91 111.7 Pg 06:57:02.437 1.1 T__ 95.0 --- ML 2.0 1135411 FDSN Z6 00 BUD iLoc HHZ HHZ _

```

CP17A 0.91 111.7 Lg 06:57:14.013 -0.8 T\_\_ --- 1135412 FDSN Z6 00 BUD iLoc HHN ??? \_  
 (Reading ML: 2.0 magdef=1  
 (Station ML: 2.0 magdef=1  
 HU02A 0.95 116.8 Pg 06:57:03.346 0.6 T\_\_ 31.8 --- ML 1.5 1135418 FDSN Z6 00 BUD iLoc HHZ HHZ \_  
 HU02A 0.95 116.8 Lg 06:57:15.982 -1.0 T\_\_ --- 1135417 FDSN Z6 00 BUD iLoc HHN ??? \_  
 (Reading ML: 1.5 magdef=1  
 (Station ML: 1.5 magdef=1  
 JAVC 1.09 286.5 Lg 06:57:20.818 -0.9 T\_\_ --- 1135419 FDSN CZ -- BUD iLoc HHN ??? \_  
 ABAH 1.35 100.6 Sn 06:57:29.067 1.3 T\_\_ --- 1135420 FDSN HU -- BUD iLoc HHN ??? \_  
 MORC 1.66 318.0 Sn 06:57:37.234 0.6 T\_\_ --- 1135421 FDSN CZ -- BUD iLoc HHN ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/06	07:58:59.35	1.16	1.18	47.1386	17.9618	6.8	6.1	107	0.0f	6	5	110	0.29	1.05	sx	BUD	19003402	BUD			180	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MPLH	0.29	276.4	Pg	07:59:06.474	0.7					T__		75.6		---	ML	1.0	1135467	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.29	276.4	Lg	07:59:09.542	-1.2					T__				---		1135468	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1 (Station ML: 1.0 magdef=0)																									
HU08A	0.29	355.0	Lg	07:59:10.371	-0.8					T__				---		1135469	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CSKK	0.30	42.1	Lg	07:59:11.317	-0.3					T__				---		1135470	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MORH	1.04	152.8	Lg	07:59:34.731	-0.4					T__				---		1135471	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOVH	1.05	174.8	Lg	07:59:34.891	-1.1					T__				---		1135472	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/06	08:10:36.87	1.22	1.36	48.4973	20.7466	7.3	5.0	98	0.0f	14	10	95	0.17	1.25	sx	BUD	19003404	BUD			160	

Magnitude Err Nsta Author OrigID  
 ML 1.3 0.1 5 BUD 19003404

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KECS	0.17	265.4	Pg	08:10:39.970	-0.6					T__		726.9		---	ML	1.6	1135529	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.17	265.4	Lg	08:10:43.840	0.3					T__				---		1135522	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=0)																									
CP16A	0.21	221.6	Lg	08:10:45.540	0.9					T__				---		1135530	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP17A	0.32	209.5	Lg	08:10:49.902	1.4					T__				---		1135521	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.40	201.6	Pg	08:10:45.319	-0.2					T__		41.0		---	ML	1.0	1135520	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.40	201.6	Lg	08:10:52.259	0.1					T__				---		1135531	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1 (Station ML: 1.0 magdef=0)																									
PSZ	0.81	224.9	Pg	08:10:54.577	0.5					T__		48.6		---	ML	1.6	1135524	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.81	224.9	Lg	08:11:05.532	-0.8					T__				---		1135523	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=1)																									
ET1H	0.85	223.8	Pn	08:10:55.015	0.1					T__		20.7		---	ML	1.3	1135525	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.85	223.8	Lg	08:11:07.358	0.1					T__				---		1135526	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1																									

```

(Station ML: 1.3 magdef=1
NIE 0.97 342.4 Pg 08:10:56.037 0.9 T__ 14.5 --- ML 1.2 1135527 FDSN PL -- BUD iLoc BHZ BHZ _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
HU03A 0.97 232.7 Lg 08:11:10.299 -0.9 T__ --- 1135528 FDSN Z6 00 BUD iLoc HHN ??? _
KOLS 1.10 66.1 Lg 08:11:12.053 -2.8 T__ --- 1135532 FDSN SK -- BUD iLoc HHN ??? _
TRPA 1.25 106.4 Sn 08:11:16.873 -2.6 T__ --- 1135533 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/07/06 09:16:44.83 1.75 2.75 47.1652 18.3947 13.2 6.0 63 0.0f 4 3 189 0.22 0.58 sx BUD 19003406 BUD 295

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CSKK 0.22 335.3 Lg 09:16:53.084 -1.1 T__ --- 1135585 FDSN HU -- BUD iLoc HHN ??? _
A267A 0.23 164.7 Lg 09:16:53.141 -1.1 T__ --- 1135586 FDSN Z6 00 BUD iLoc HHN ??? _
MPLH 0.58 270.8 Pg 09:16:58.137 1.3 T__ 40.4 --- ML 1.4 1135587 FDSN HU -- BUD iLoc HHZ HHZ _
MPLH 0.58 270.8 Lg 09:17:04.017 -1.9 T__ --- 1135588 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=0

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/07/06 09:47:27.14 1.09 0.57 47.8807 16.0703 9.5 4.0 36 0.0f 7 4 129 0.15 1.20 sx BUD 19003408 BUD 211

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CONA 0.15 288.8 Pg 09:47:30.474 0.1 T__ 61.2 --- ML 0.5 1135606 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.15 288.8 Lg 09:47:32.136 -0.5 T__ --- 1135607 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 0.5 magdef=1
(Station ML: 0.5 magdef=1
RONA 0.24 139.8 Pg 09:47:32.337 0.2 T__ --- 1135609 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.24 139.8 Lg 09:47:35.039 -0.6 T__ --- 1135608 FDSN OE -- BUD iLoc HHN ??? _
ARSA 0.73 210.6 Lg 09:47:50.706 0.2 T__ --- 1135610 FDSN OE -- BUD iLoc HHN ??? _
KRUC 1.20 10.2 Pg 09:47:50.559 0.4 T__ 22.2 --- ML 1.5 1135611 FDSN CZ -- BUD iLoc HHZ HHZ _
KRUC 1.20 10.2 Sn 09:48:08.344 0.7 T__ --- 1135612 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/07/06 09:59:43.11 1.12 1.38 48.1252 17.0181 10.2 4.9 134 0.0f 9 7 190 0.09 1.22 sx BUD 19003410 BUD 217

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
ZST 0.09 38.5 Pg 09:59:45.830 0.3 T__ --- 1135636 FDSN SK -- BUD iLoc HHZ ??? _
ZST 0.09 38.5 Lg 09:59:48.167 0.4 T__ --- 1135635 FDSN SK -- BUD iLoc HHN ??? _
MODS 0.30 34.8 Pg 09:59:49.500 -0.3 T__ --- 1135633 FDSN SK -- BUD iLoc HHZ ??? _
MODS 0.30 34.8 Lg 09:59:52.988 -2.1 T__ --- 1135634 FDSN SK -- BUD iLoc HHN ??? _

```

RONA	0.65	229.0	Lg	10:00:03.359	-1.3	T__									1135639	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.80	256.2	Lg	10:00:09.860	0.4	T__									1135640	FDSN	OE	--	BUD	iLoc	HHN	???	_	
JAVC	0.85	30.3	Pg	10:00:02.519	1.9	T__				41.9			---	ML	1.6	1135637	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1)																								
(Station ML: 1.6 magdef=0)																								
KRUC	1.02	336.4	Lg	10:00:17.090	-0.8	T__									1135638	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
VRAC	1.22	346.8	Lg	10:00:23.371	-0.6	T__									1135641	FDSN	CZ	--	BUD	iLoc	HHE	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/06	10:35:20.99	1.16	1.22	47.7976	19.1408	13.1	3.9	175	0.0f		12	9	166	0.10	1.17	sx	BUD	19003412	BUD			219
2023/07/06	10:35:21.23	0.92	1.03	47.8327	19.1394f				0.0f		12	9	160	0.08	1.15	kx	BUD_GT	19003413	BUD_GT			194

(locality: Sejce-Vác Hungary)  
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.1	4 BUD_GT	19003413

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
HU10A	0.08	278.8	Pg	10:35:23.769	0.4					T__		904.6			---	ML	1.5	1135671	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU10A	0.08	278.8	Lg	10:35:25.011	-0.4					T__							1135670	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																										
(Station ML: 1.5 magdef=1)																										
HU03A	0.32	76.9	Lg	10:35:33.344	-0.1					T__							1135672	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ET1H	0.50	84.3	Lg	10:35:39.969	0.3					T__							1135666	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	0.52	80.1	Lg	10:35:40.119	-0.7					T__							1135673	FDSN	GE	--	BUD	iLoc	HHN	???	_	
HU08A	0.92	244.4	Lg	10:35:52.456	-1.4					T__							1135674	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.98	72.2	Pg	10:35:42.014	0.7					T__		33.2			---	ML	1.6	1135667	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.98	72.2	Lg	10:35:54.905	-1.9					T__							1135675	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																										
(Station ML: 1.6 magdef=1)																										
CP17A	1.00	66.7	Pg	10:35:42.233	0.8					T__		42.9			---	ML	1.7	1135668	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.7 magdef=1)																										
(Station ML: 1.7 magdef=1)																										
CP16A	1.07	61.0	Pg	10:35:43.694	1.1					T__		54.4			---	ML	1.8	1135669	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	1.07	61.0	Sn	10:35:57.096	-1.7					T__							1135676	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																										
(Station ML: 1.8 magdef=1)																										
JOS	1.15	54.2	Sn	10:36:00.824	-0.2					T__							1135677	FDSN	Z6	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/06	11:10:19.72	2.03	1.33	46.6327	21.7089	14.0	7.6	100	4.8	14.7	13	9	131	0.71	1.78	ke	BUD	19003416	BUD			166

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.2	4 BUD	19003416

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
DRGR	0.71	76.7	Pg	11:10:33.925	0.1					T__		124.0			---	ML	2.0	1136020	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	0.71	76.7	Lg	11:10:43.950	-0.6					T__							1136021	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																										
(Station ML: 2.0 magdef=1)																										

LTVH	0.76	9.8	Lg	11:10:44.876	-1.5	T__									1136025	FDSN	HU	--	BUD	iLoc	HHN	???	_	
BZS	1.02	183.6	Pn	11:10:38.668	-0.8	T__				50.5					1.8	1136026	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	1.02	183.6	Lg	11:10:52.531	-0.8	T__										1136024	FDSN	RO	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1)																								
(Station ML: 1.8 magdef=1)																								
DEV	1.12	131.7	Lg	11:10:57.279	1.1	T__										1136022	FDSN	RO	--	BUD	iLoc	HHN	???	_
CJR	1.30	85.8	Sn	11:11:02.989	0.9	T__										1136027	FDSN	RO	--	BUD	iLoc	HHN	???	_
GZR	1.45	148.6	Pg	11:10:47.273	0.1	T__				57.0					2.1	1136023	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	1.45	148.6	Sn	11:11:06.495	1.0	T__										1136028	FDSN	RO	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.1 magdef=1)																								
(Station ML: 2.1 magdef=1)																								
HU02A	1.69	332.1	Pn	11:10:50.573	1.8	T__				22.0					1.8	1136029	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.69	332.1	Sn	11:11:11.388	0.5	T__										1136030	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1)																								
(Station ML: 1.8 magdef=1)																								
ET1H	1.77	315.6	Sn	11:11:14.310	2.0	T__										1136031	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	1.78	316.8	Sn	11:11:14.602	1.4	T__										1136032	FDSN	GE	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/06	11:17:04.64	1.72	0.65	46.3911	22.9795	19.8	5.3	86	0.0f		7	3	212	0.44	1.23		sx BUD	19003418	BUD			316

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.1	3 BUD	19003418

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DRGR	0.44	335.3	Pg	11:17:13.814	0.1					T__		38.3			ML	1.1	1136057	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	0.44	335.3	Lg	11:17:20.862	-0.2					T__						1136060	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
GZR	1.01	188.2	Pg	11:17:24.157	0.3					T__		29.5			ML	1.5	1136058	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	1.01	188.2	Lg	11:17:36.829	-1.1					T__						1136061	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
BZS	1.23	231.3	Pn	11:17:27.801	-0.4					T__		25.3			ML	1.6	1136063	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	1.23	231.3	Lg	11:17:45.223	-0.1					T__						1136059	FDSN	RO	--	BUD	iLoc	HHN	???	_	
BZS	1.23	231.3	Sg	11:17:45.695	0.3					T__						1136062	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/07/06	11:59:23.18	2.58	1.22	48.3199	21.8424	23.2	9.5	150	0.0f		11	8	228	0.40	1.50		sx BUD	19003420	BUD					295

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.1	3 BUD	19003420

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.40	266.8	Pg	11:59:32.032	0.5					T__		47.9			ML	1.1	1136095	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.40	266.8	Lg	11:59:36.342	-2.2					T__						1136094	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									

KOLS	0.68	24.8	Lg	11:59:46.014	-1.3	T__									1136093	FDSN	SK	--	BUD	iLoc	HHN	???	_
JOS	0.89	281.9	Pg	11:59:41.354	0.6	T__					28.1	---	ML	1.4	1136097	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.89	281.9	Lg	11:59:54.594	0.6	T__						---			1136092	FDSN	Z6	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.4 magdef=1)																							
(Station ML: 1.4 magdef=1)																							
CP17A	0.90	264.0	Lg	11:59:54.542	-0.1	T__									1136090	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU02A	0.90	257.8	Pn	11:59:40.920	-1.1	T__					30.2	---	ML	1.5	1136091	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.90	257.8	Lg	11:59:54.469	-1.3	T__						---			1136096	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.5 magdef=1)																							
(Station ML: 1.5 magdef=1)																							
KECS	0.92	280.8	Lg	11:59:55.515	0.3	T__									1136098	FDSN	SK	--	BUD	iLoc	EHN	???	_
PSZ	1.37	253.6	Sn	12:00:07.755	-1.1	T__									1136099	FDSN	GE	--	BUD	iLoc	HHN	???	_
NIE	1.50	317.8	Sn	12:00:12.692	0.2	T__									1136100	FDSN	PL	--	BUD	iLoc	BHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/06	14:52:05.48	0.97	0.81	47.6782	16.0068	5.1	4.9	155	10.0f		6	3	134	0.20	0.54	ke	BUD	19003422	BUD			255

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
RONA	0.20	83.6	Pg	14:52:10.170	0.2					T__						1136123	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.20	83.6	Lg	14:52:13.110	-0.1					T__						1136124	FDSN	OE	--	BUD	iLoc	HHN	???	_
CONA	0.27	338.7	Pg	14:52:11.932	0.6					T__		23.0	---	ML	0.4	1136126	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.27	338.7	Lg	14:52:14.132	-1.2					T__			---			1136125	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 0.4 magdef=1)																								
(Station ML: 0.4 magdef=0)																								
ARSA	0.54	217.7	Pg	14:52:16.351	0.3					T__		23.9	---	ML	1.2	1136121	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
ARSA	0.54	217.7	Lg	14:52:22.641	-0.4					T__			---			1136122	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.2 magdef=1)																								
(Station ML: 1.2 magdef=0)																								

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/07	06:57:45.32	2.19	1.11	47.3800	18.3204	18.1	5.8	130	0.0f		7	6	124	0.04	1.30	sx	BUD	19003426	BUD			184

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CSKK	0.04	247.5	Pg	06:57:47.090	0.2					T__		3379.7	---	ML	2.0	1138181	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.04	247.5	Lg	06:57:48.204	-0.4					T__			---			1138182	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.0 magdef=1)																								
(Station ML: 2.0 magdef=0)																								
HU09A	0.26	9.2	Lg	06:57:55.905	-0.1					T__			---			1138184	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU08A	0.27	280.9	Lg	06:57:56.348	-0.0					T__			---			1138185	FDSN	Z6	00	BUD	iLoc	HHN	???	_
PSZ	1.19	62.6	Sn	06:58:24.768	-2.0					T__			---			1138186	FDSN	GE	--	BUD	iLoc	HHN	???	_
MODS	1.22	325.2	Sn	06:58:26.475	-0.8					T__			---			1138183	FDSN	SK	--	BUD	iLoc	HHN	???	_
KOVH	1.30	186.8	Sn	06:58:28.111	-0.4					T__			---			1138187	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/07	07:11:50.81	1.20	0.96	46.1579	18.0737	8.2	5.7	136	0.0f		7	4	105	0.07	1.08	sx	BUD	19003428	BUD			188



Magnitude Err Nsta Author OrigID  
 ML 1.4 0.3 3 BUD 19003428

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOVH	0.07	165.3	Pg	07:11:53.317	0.4					T__		824.9		---	ML	1.4	1138206	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.07	165.3	Lg	07:11:53.974	-0.9					T__				---		1138210	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
MORH	0.40	81.6	Pg	07:11:59.214	-0.1					T__		25.2		---	ML	0.8	1138207	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.40	81.6	Lg	07:12:05.897	0.1					T__				---		1138211	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=1)																									
A264A	0.54	270.5	Lg	07:12:09.293	-0.7					T__				---		1138208	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	1.08	340.2	Pn	07:12:13.514	1.5					T__		35.7		---	ML	1.7	1138212	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	1.08	340.2	Sn	07:12:28.356	0.1					T__				---		1138209	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/07	08:03:14.06	1.32	0.96	48.5395	20.8256	7.9	5.2	18	0.0f		14	8	169	0.20	1.04	sx	BUD	19003430	BUD			234

Magnitude Err Nsta Author OrigID  
 ML 1.2 0.2 5 BUD 19003430

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.20	257.2	Pg	08:03:18.414	0.2					T__		182.8		---	ML	1.1	1138501	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.20	257.2	Lg	08:03:21.025	-0.4					T__				---		1138502	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
KECS	0.23	256.1	Pg	08:03:18.934	0.0					T__		667.8		---	ML	1.8	1138503	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.23	256.1	Lg	08:03:21.710	-1.0					T__				---		1138504	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=0)																									
ABAH	0.37	131.3	Lg	08:03:29.068	0.9					T__				---		1138505	FDSN	HU	--	BUD	iLoc	HHN	???	_	
CP17A	0.38	213.3	Pg	08:03:21.217	-0.8					T__		73.4		---	ML	1.2	1138506	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.38	213.3	Lg	08:03:28.293	0.4					T__				---		1138509	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
HU02A	0.46	205.8	Pg	08:03:23.262	-0.6					T__		25.2		---	ML	1.0	1138507	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.46	205.8	Pb	08:03:24.569	0.7					T__				---		1138510	FDSN	Z6	00	BUD	iLoc	HHZ	???	_	
HU02A	0.46	205.8	Lg	08:03:31.124	-0.3					T__				---		1138511	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=0)																									
PSZ	0.88	225.4	Pn	08:03:32.931	0.2					T__		29.1		---	ML	1.5	1138513	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.88	225.4	Lg	08:03:46.370	0.5					T__				---		1138512	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
ET1H	0.92	224.4	Lg	08:03:45.930	-0.8					T__				---		1138508	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOLS	1.04	67.1	Lg	08:03:47.648	-2.3					T__				---		1138514	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/07	09:27:57.93	1.00	0.87	46.8411	17.3099	5.9	4.8	102	0.0f	9	6	98	0.16	1.11	sx	BUD	19003432	BUD				168

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.5	3 BUD	19003432

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
A261A	0.16	315.1	Pg	09:28:01.445	-0.3					T__		2541.2		___	ML	2.1	1138543	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A261A	0.16	315.1	Lg	09:28:04.896	0.1					T__				---		1138544	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
				(Reading ML: 2.1 magdef=1)																					
				(Station ML: 2.1 magdef=1)																					
A263A	0.20	179.0	Lg	09:28:05.093	-1.0					T__				---		1138545	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
MPLH	0.36	25.4	Pg	09:28:06.524	0.7					T__		106.8		---	ML	1.3	1138547	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.36	25.4	Lg	09:28:10.834	-1.1					T__				---		1138546	FDSN	HU	--	BUD	iLoc	HNN	???	_	
				(Reading ML: 1.3 magdef=1)																					
				(Station ML: 1.3 magdef=1)																					
KOGS	0.83	242.1	Pg	09:28:14.982	0.6					T__		67.1		---	ML	1.8	1138548	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.83	242.1	Lg	09:28:26.011	0.8					T__				---		1138549	FDSN	SL	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 1.8 magdef=1)																					
				(Station ML: 1.8 magdef=1)																					
KOVH	0.93	143.8	Lg	09:28:29.334	-0.2					T__				---		1138550	FDSN	HU	--	BUD	iLoc	HNN	???	_	
MORH	1.11	123.7	Sn	09:28:35.246	-0.8					T__				---		1138551	FDSN	HU	--	BUD	iLoc	HNN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/07	17:54:26.84	1.49	0.67	45.8770	16.0093	9.5	4.2	105	0.7	4.8	13	7	155	0.04	1.41	ke	BUD	19003436	BUD			221

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.1	6 BUD	19003436

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PTJ	0.04	316.1	Pg	17:54:27.763	-0.5					T__		2555.4		___	ML	1.8	1138743	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.04	316.1	Lg	17:54:28.914	-0.6					T__				---		1138751	FDSN	CR	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 1.8 magdef=1)																					
				(Station ML: 1.8 magdef=1)																					
ZAG	0.05	197.3	Pg	17:54:27.909	-0.2					T__		21272.8		---	ML	2.8	1138745	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.05	197.3	Lg	17:54:29.461	0.3					T__				---		1138744	FDSN	CR	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 2.8 magdef=1)																					
				(Station ML: 2.8 magdef=0)																					
CRES	0.39	262.7	Pg	17:54:34.245	-0.2					T__		96.2		---	ML	1.4	1138746	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.39	262.7	Lg	17:54:40.663	0.5					T__				---		1138747	FDSN	SL	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 1.4 magdef=1)																					
				(Station ML: 1.4 magdef=0)																					
KOGS	0.60	16.3	Pg	17:54:38.271	-0.4					T__		150.7		---	ML	2.0	1138749	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.60	16.3	Lg	17:54:46.816	0.3					T__				---		1138748	FDSN	SL	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 2.0 magdef=1)																					
				(Station ML: 2.0 magdef=1)																					
BEHE	0.80	41.6	Lg	17:54:54.063	0.5					T__				---		1138752	FDSN	HU	--	BUD	iLoc	HNN	???	_	
OBKA	1.20	302.5	Pg	17:54:50.286	0.8					T__		70.6		---	ML	2.0	1138750	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
OBKA	1.20	302.5	Lg	17:55:05.615	0.1					T__				---		1138753	FDSN	OE	--	BUD	iLoc	HNN	???	_	
				(Reading ML: 2.0 magdef=1)																					
				(Station ML: 2.0 magdef=1)																					
ARSA	1.41	346.5	Pg	17:54:54.483	1.0					T__		43.3		---	ML	1.9	1138754	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_

ARSA 1.41 346.5 Lg 17:55:12.846 1.0 T\_\_ --- 1138755 FDSN OE -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.9 magdef=1  
 (Station ML: 1.9 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/08	00:33:59.21	2.92	3.00	45.9148	16.1380	19.9	10.4	73	8.2	16.6	8	5	150	0.12	1.77	ke	BUD	19003444	BUD			291

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.3	3 BUD	19003444

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
PTJ	0.12	266.3	Pg	00:34:02.738	0.3					T__		716.5		---	ML	1.5	1139177	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.12	266.3	Lg	00:34:03.921	-1.0					T__				---		1139182	FDSN	CR	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 1.5 magdef=1 (Station ML: 1.5 magdef=1																					
ZAG	0.14	230.3	Pg	00:34:02.839	0.4					T__		5339.4		---	ML	2.4	1139179	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.14	230.3	Lg	00:34:04.391	-0.3					T__				---		1139178	FDSN	CR	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 2.4 magdef=1 (Station ML: 2.4 magdef=1																					
CRES	0.48	259.7	Pg	00:34:08.972	0.2					T__		44.3		---	ML	1.3	1139181	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.48	259.7	Lg	00:34:15.248	-0.7					T__				---		1139184	FDSN	SL	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 1.3 magdef=1 (Station ML: 1.3 magdef=1																					
OBKA	1.25	298.9	Lg	00:34:41.748	2.0					T__				---		1139183	FDSN	OE	--	BUD	iLoc	HHN	???	_	
MORH	1.77	79.3	Sn	00:34:45.885	-5.5					T__				---		1139180	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/08	23:22:37.91	1.43	1.35	45.8770	16.0476	10.9	5.3	102	10.0f		7	4	206	0.06	0.59	ke	BUD	19003452	BUD			281

Magnitude	Err	Nsta	Author	OrigID
ML	0.7	0.2	3 BUD	19003452

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
PTJ	0.06	298.3	Pg	23:22:40.006	-0.5					T__		112.8		---	ML	0.5	1143822	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.06	298.3	Lg	23:22:40.955	-1.7					T__				---		1143823	FDSN	CR	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 0.5 magdef=1 (Station ML: 0.5 magdef=1																					
ZAG	0.07	220.3	Pg	23:22:40.006	-0.2					T__		1170.5		---	ML	1.6	1143825	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.07	220.3	Lg	23:22:41.649	-0.3					T__				---		1143824	FDSN	CR	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=1																					
CRES	0.42	263.2	Pg	23:22:47.255	1.1					T__		16.0		---	ML	0.7	1143826	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.42	263.2	Lg	23:22:52.851	0.4					T__				---		1143827	FDSN	SL	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 0.7 magdef=1 (Station ML: 0.7 magdef=1																					
KOGS	0.59	13.8	Lg	23:22:59.045	1.7					T__				---		1143828	FDSN	SL	--	BUD	iLoc	BHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/09	16:25:00.56	1.44	1.36	45.8694	16.0456	11.3	5.3	106	10.0f		8	5	205	0.06	1.05	ke	BUD	19003454	BUD			245

Magnitude Err Nsta Author OrigID  
ML 1.0 0.3 3 BUD 19003454

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ZAG	0.06	224.0	Pg	16:25:02.729	-0.1					T__		2194.1		---	ML	1.8	1145676	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.06	224.0	Lg	16:25:03.779	-0.7					T__				---		1145677	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
PTJ	0.07	304.8	Pg	16:25:02.720	-0.5					T__		307.7		---	ML	1.0	1145679	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.07	304.8	Lg	16:25:03.834	-1.5					T__				---		1145678	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
CRES	0.41	264.2	Pg	16:25:09.860	1.1					T__		22.5		---	ML	0.8	1145680	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.41	264.2	Lg	16:25:15.246	0.2					T__				---		1145681	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=1)																									
KOGS	0.60	13.7	Lg	16:25:21.929	1.7					T__				---		1145682	FDSN	SL	--	BUD	iLoc	BHN	???	_	
A262A	1.05	18.4	Sn	16:25:36.646	1.5					T__				---		1145683	FDSN	Z6	00	BUD	iLoc	HNN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/10	05:53:57.78	1.43	1.46	48.2071	21.2319	10.1	4.2	137	0.0f		13	8	156	0.09	0.97	sx	BUD	19003460	BUD			247

Magnitude Err Nsta Author OrigID  
ML 1.5 0.1 5 BUD 19003460

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.09	3.3	Pg	05:54:00.766	0.6					T__		694.7		---	ML	1.4	1148235	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.09	3.3	Lg	05:54:01.679	-0.7					T__				---		1148239	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
HU02A	0.48	260.1	Pg	05:54:08.518	0.5					T__		32.3		---	ML	1.1	1148242	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.48	260.1	Lg	05:54:14.881	-1.0					T__				---		1148241	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=0)																									
CP17A	0.48	271.7	Pg	05:54:08.874	1.2					T__		87.8		---	ML	1.6	1148236	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.48	271.7	Lg	05:54:14.552	-0.6					T__				---		1148240	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
JOS	0.54	302.3	Lg	05:54:15.335	-1.8					T__				---		1148243	FDSN	Z6	--	BUD	iLoc	HNN	???	_	
KECS	0.57	299.3	Lg	05:54:16.966	-1.0					T__				---		1148244	FDSN	SK	--	BUD	iLoc	EHN	???	_	
TRPA	0.88	94.5	Lg	05:54:26.748	-2.7					T__				---		1148245	FDSN	HU	--	BUD	iLoc	HNN	???	_	
PSZ	0.94	252.6	Pn	05:54:17.967	0.7					T__		40.5		---	ML	1.6	1148237	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.94	252.6	Lg	05:54:29.689	-2.1					T__				---		1148246	FDSN	GE	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=0)																									
ET1H	0.97	250.7	Pn	05:54:18.405	0.9					T__		27.4		---	ML	1.5	1148238	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.97	250.7	Lg	05:54:31.661	-0.7					T__				---		1148247	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/10	07:12:30.35	1.39	0.95	48.5462	17.6049	13.8	3.4	118	0.0f		11	7	216	0.28	1.32	sx	BUD	19003462	BUD			225

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.1	3 BUD	19003462

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
MODS	0.28	231.7	Pg	07:12:36.062	-0.4					T__						1148278	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.28	231.7	Lg	07:12:40.699	-0.7					T__						1148281	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.32	7.9	Pg	07:12:36.956	-0.3					T__	181.5			---	ML	1.4	1148279	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.32	7.9	Lg	07:12:41.959	-0.7					T__				---		1148282	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
ZST	0.48	223.9	Lg	07:12:47.525	-0.5					T__						1148283	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KRUC	0.95	303.3	Lg	07:13:02.154	-0.4					T__						1148280	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
RONA	1.22	226.5	Pn	07:12:54.709	0.5					T__						1148285	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	1.22	226.5	Lg	07:13:11.654	1.4					T__						1148284	FDSN	OE	--	BUD	iLoc	HHN	???	_	
MORC	1.23	358.1	Pg	07:12:54.609	1.3					T__		25.6		---	ML	1.6	1148286	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
CONA	1.32	242.7	Pn	07:12:55.470	-0.3					T__		28.5		---	ML	1.7	1148288	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	1.32	242.7	Lg	07:13:14.460	1.2					T__				---		1148287	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/10	08:05:08.86	0.95	0.92	48.4074	19.0922	6.4	4.1	17	0.0f		14	11	148	0.56	1.21	sx	BUD	19003464	BUD			175

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.2	3 BUD	19003464

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU10A	0.56	185.0	Lg	08:05:29.366	-0.4					T__						1148341	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU03A	0.61	145.8	Lg	08:05:30.844	0.0					T__						1148342	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.73	132.0	Lg	08:05:34.543	-0.9					T__						1148339	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	0.74	135.1	Lg	08:05:35.184	-0.4					T__						1148340	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KECS	0.93	84.8	Lg	08:05:40.582	-0.7					T__						1148338	FDSN	SK	--	BUD	iLoc	EHN	???	_	
CP17A	0.97	100.7	Pn	08:05:30.614	2.1					T__		58.4		---	ML	1.8	1148344	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.97	100.7	Lg	08:05:42.866	0.2					T__				---		1148346	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
JOS	0.97	84.2	Pg	08:05:28.468	0.4					T__		26.2		---	ML	1.5	1148343	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.97	84.2	Lg	08:05:41.947	-0.6					T__				---		1148337	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
HU02A	1.00	106.1	Lg	08:05:43.752	-0.7					T__						1148347	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
JAVC	1.05	296.1	Pg	08:05:30.437	0.3					T__		41.2		---	ML	1.7	1148345	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	1.05	296.1	Lg	08:05:45.245	-0.8					T__				---		1148348	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
CSKK	1.19	208.5	Sn	08:05:49.664	-0.2					T__						1148349	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MODS	1.21	269.1	Sn	08:05:49.725	-1.2					T__						1148350	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/10	08:34:24.47	0.98	0.66	46.8891	17.2958	5.4	4.2	33	0.0f		13	12	70	0.12	1.42	sx	BUD	19003468	BUD			125
2023/07/10	08:34:24.38	0.95	0.65	46.8902	17.3220f				0.0f		13	12	68	0.13	1.44	kx	BUD_GT	19003469	BUD_GT			116

(locality: Uzsa Hungary)  
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
BADH	0.13	129.3	Lg	08:34:31.116	0.7					T__						1148479	FDSN	HU	--	BUD	iLoc	HNN	???	_	
A261A	0.13	297.5	Pg	08:34:27.830	0.1					T__		7500.3			ML	2.5	1148468	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A261A	0.13	297.5	Lg	08:34:29.035	-1.4					T__						1148469	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
(Reading ML: 2.5 magdef=1)																									
(Station ML: 2.5 magdef=0)																									
A263A	0.25	181.1	Lg	08:34:33.466	-0.6					T__						1148480	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
MPLH	0.32	27.9	Lg	08:34:37.160	0.4					T__						1148471	FDSN	HU	--	BUD	iLoc	HNN	???	_	
TIH	0.39	88.4	Lg	08:34:39.917	0.9					T__						1148470	FDSN	HU	--	BUD	iLoc	HNN	???	_	
CSKK	0.80	53.2	Lg	08:34:53.189	-0.6					T__						1148473	FDSN	HU	--	BUD	iLoc	HNN	???	_	
KOGS	0.86	239.5	Lg	08:34:52.171	-0.5					T__						1148472	FDSN	SL	--	BUD	iLoc	BHN	???	_	
KOVH	0.97	145.9	Lg	08:34:57.861	0.3					T__						1148474	FDSN	HU	--	BUD	iLoc	HNN	???	_	
HU09A	1.04	43.6	Sn	08:35:01.105	-0.2					T__						1148476	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
RONA	1.07	319.6	Lg	08:34:59.500	-0.4					T__						1148475	FDSN	OE	--	BUD	iLoc	HNN	???	_	
MORH	1.13	126.0	Lg	08:35:03.656	0.1					T__						1148477	FDSN	HU	--	BUD	iLoc	HNN	???	_	
CONA	1.44	316.9	Lg	08:35:11.884	0.7					T__						1148478	FDSN	OE	--	BUD	iLoc	HNN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/10	09:00:22.42	1.08	1.27	48.6974	18.7482	9.7	5.6	8	0.0f		12	10	134	0.73	1.38	sx	BUD	19003470	BUD			175

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.0	4 BUD	19003470

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
JAVC	0.73	283.2	Pg	09:00:37.555	0.1					T__		49.5			ML	1.6	1148506	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.73	283.2	Lg	09:00:47.926	-0.9					T__						1148507	FDSN	CZ	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
MODS	1.03	252.2	Lg	09:00:58.664	-0.1					T__						1148508	FDSN	SK	--	BUD	iLoc	HNN	???	_	
PSZ	1.09	135.1	Sn	09:01:00.349	-1.3					T__						1148509	FDSN	GE	--	BUD	iLoc	HNN	???	_	
ET1H	1.11	137.1	Sn	09:01:01.693	0.1					T__						1148510	FDSN	HU	--	BUD	iLoc	HNN	???	_	
KECS	1.17	99.9	Lg	09:01:01.393	-1.0					T__						1148511	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	1.21	99.0	Pn	09:00:47.869	2.2					T__		30.5			ML	1.7	1148512	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
CP17A	1.27	111.5	Sn	09:01:06.807	1.7					T__						1148513	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
HU02A	1.32	115.3	Pn	09:00:48.671	1.4					T__		23.2			ML	1.6	1148516	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
MORC	1.34	324.3	Pg	09:00:47.488	0.2					T__		30.9			ML	1.7	1148515	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
MORC	1.34	324.3	Lg	09:01:05.674	-0.2					T__						1148514	FDSN	CZ	--	BUD	iLoc	HNN	???	_	

(Reading ML: 1.7 magdef=1  
 (Station ML: 1.7 magdef=1  
 HU08A 1.38 203.9 Sn 09:01:09.218 1.0 T\_\_ --- 1148517 FDSN Z6 00 BUD iLoc HHN ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/10	10:50:13.74	1.98	0.78	47.8385	20.1651	16.4	3.6	160	0.0f	12	8	224	0.20	0.85	sx	BUD	19003472	BUD				241

Magnitude Err Nsta Author OrigID  
 ML 1.5 0.1 4 BUD 19003472

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
PSZ	0.20	293.8	Pg	10:50:18.953	0.4					T__		512.3		---	ML	1.6	1148548	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.20	293.8	Lg	10:50:21.034	-1.4					T__				---		1148553	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=1																									
ET1H	0.20	281.7	Pg	10:50:19.062	0.6					T__		423.0		---	ML	1.5	1148549	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.20	281.7	Lg	10:50:21.436	-0.7					T__				---		1148552	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1 (Station ML: 1.5 magdef=1																									
HU02A	0.37	40.3	Pg	10:50:21.645	-0.2					T__		104.2		---	ML	1.4	1148554	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.37	40.3	Lg	10:50:27.360	-0.9					T__				---		1148550	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1 (Station ML: 1.4 magdef=1																									
CP17A	0.45	31.2	Pg	10:50:23.828	0.8					T__		113.4		---	ML	1.6	1148551	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.45	31.2	Lg	10:50:30.200	0.2					T__				---		1148555	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=1																									
CP16A	0.56	26.4	Lg	10:50:33.804	-0.0					T__				---		1148556	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KECS	0.68	18.3	Lg	10:50:37.490	-0.3					T__				---		1148557	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	0.70	20.7	Lg	10:50:38.692	0.1					T__				---		1148558	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
ABAH	0.85	57.2	Lg	10:50:43.642	-0.9					T__				---		1148559	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/10	13:39:30.54	1.64	0.64	47.0802	19.5241	21.0	6.7	116	0.0f	6	4	198	0.83	1.06	sx	BUD	19003474	BUD				319

Magnitude Err Nsta Author OrigID  
 ML 1.5 0.4 4 BUD 19003474

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ET1H	0.83	16.3	Pg	13:39:48.504	0.3					T__		16.8		---	ML	1.2	1148699	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.2 magdef=1 (Station ML: 1.2 magdef=1																									
HU10A	0.84	336.0	Pg	13:39:48.103	0.2					T__		97.5		---	ML	2.0	1148700	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.0 magdef=1 (Station ML: 2.0 magdef=1																									
PSZ	0.88	16.5	Pn	13:39:49.249	0.1					T__		57.1		---	ML	1.7	1148703	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.88	16.5	Lg	13:40:01.921	-0.7					T__				---		1148704	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=1																									
MORH	1.06	215.3	Pn	13:39:51.842	0.6					T__		17.9		---	ML	1.3	1148701	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_

MORH 1.06 215.3 Lg 13:40:06.586 -0.4 T\_\_ --- 1148702 FDSN HU -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.3 magdef=1  
 (Station ML: 1.3 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/11	07:43:59.83	1.86	0.74	48.5427	20.7967	11.1	5.7	24	0.0f	10	7	234	0.18	0.91	sx	BUD	19003478	BUD				308

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.4	3 BUD	19003478

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.18	254.8	Pg	07:44:03.998	0.4					T__		326.0		---	ML	1.3	1149750	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.18	254.8	Lg	07:44:06.522	-0.0					T__				---		1149752	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1 (Station ML: 1.3 magdef=1																									
KECS	0.22	254.1	Pg	07:44:04.355	0.0					T__	1083.7			---	ML	1.9	1149749	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.22	254.1	Lg	07:44:07.389	-0.5					T__				---		1149751	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.9 magdef=1 (Station ML: 1.9 magdef=1																									
CP17A	0.38	210.6	Lg	07:44:14.389	1.0					T__				---		1149753	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ABAH	0.38	129.7	Lg	07:44:14.078	-0.4					T__				---		1149754	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU02A	0.46	203.4	Pg	07:44:09.715	0.2					T__	27.0			---	ML	1.0	1149747	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.46	203.4	Lg	07:44:16.955	-0.1					T__				---		1149748	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1 (Station ML: 1.0 magdef=1																									
PSZ	0.87	224.3	Lg	07:44:30.044	-1.2					T__				---		1149755	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	0.91	223.3	Lg	07:44:31.174	-0.9					T__				---		1149756	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/11	08:07:03.70	1.02	1.73	46.0592	22.8709	9.5	4.4	80	0.0f	10	5	142	0.18	0.98	sx	BUD	19003480	BUD				250

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.1	5 BUD	19003480

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DEV	0.18	172.7	Pg	08:07:07.622	0.5					T__	1850.3			---	ML	2.1	1149784	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.18	172.7	Lg	08:07:09.581	0.0					T__				---		1149785	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1 (Station ML: 2.1 magdef=0																									
GZR	0.67	185.7	Pg	08:07:17.075	0.5					T__	118.6			---	ML	1.9	1149787	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	0.67	185.7	Lg	08:07:23.889	-2.1					T__				---		1149786	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1 (Station ML: 1.9 magdef=1																									
DRGR	0.74	351.5	Pg	08:07:19.290	0.7					T__	49.9			---	ML	1.6	1149791	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	0.74	351.5	Lg	08:07:28.317	-2.3					T__				---		1149790	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=1																									
LOT	0.88	133.9	Pg	08:07:21.334	0.8					T__	73.5			---	ML	1.9	1149788	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
LOT	0.88	133.9	Lg	08:07:30.617	-2.8					T__				---		1149789	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1																									



(Station ML: 1.9 magdef=1  
 BZS 0.98 243.7 Pn 08:07:25.081 1.1 T\_\_ 36.3 --- ML 1.6 1149792 FDSN RO -- BUD iLoc HHZ HHZ \_  
 BZS 0.98 243.7 Lg 08:07:35.982 -0.7 T\_\_ --- 1149793 FDSN RO -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.6 magdef=1  
 (Station ML: 1.6 magdef=0

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/11	08:31:05.41	1.14	0.99	48.5513	19.3270	5.7	5.3	30	0.0f	15	11	122	0.67	1.30	sx	BUD	19003482	BUD				231

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.2	4 BUD	19003482

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU03A	0.67	164.2	Lg	08:31:29.765	0.2					T__						1149832	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.74	148.9	Pg	08:31:21.701	0.6					T__	44.6			---	ML	1.6	1149833	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.74	148.9	Lg	08:31:31.389	-0.9					T__				---		1149834	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=1																									
ET1H	0.76	151.4	Lg	08:31:32.262	-0.5					T__				---		1149836	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KECS	0.77	94.6	Pg	08:31:21.845	1.0					T__	150.4			---	ML	2.1	1149831	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.77	94.6	Lg	08:31:31.730	-0.7					T__				---		1149835	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.1 magdef=1 (Station ML: 2.1 magdef=1																									
JOS	0.81	93.5	Pg	08:31:22.425	1.0					T__	77.1			---	ML	1.8	1149838	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.81	93.5	Lg	08:31:32.858	-0.7					T__				---		1149837	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1 (Station ML: 1.8 magdef=1																									
CP16A	0.83	104.1	Lg	08:31:33.976	-0.6					T__				---		1149839	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP17A	0.86	112.4	Lg	08:31:34.743	-0.7					T__				---		1149840	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.91	117.8	Pg	08:31:24.453	0.4					T__	41.0			---	ML	1.6	1149829	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.91	117.8	Lg	08:31:35.865	-2.2					T__				---		1149830	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=1																									
NIE	1.08	36.1	Lg	08:31:40.960	-0.5					T__				---		1149841	FDSN	PL	--	BUD	iLoc	BHN	???	_	
JAVC	1.14	286.3	Lg	08:31:44.707	-1.0					T__				---		1149842	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
ABAH	1.30	100.6	Sn	08:31:48.284	-0.6					T__				---		1149843	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/11	08:41:04.51	1.22	0.74	47.0850	18.0541	7.7	5.9	83	0.0f	6	5	128	0.31	1.00	sx	BUD	19003484	BUD				169

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
CSKK	0.31	26.8	Lg	08:41:16.948	-0.2					T__				---		1149866	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU08A	0.36	345.7	Lg	08:41:17.970	-0.5					T__				---		1149865	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.36	283.8	Pg	08:41:12.689	0.4					T__	68.6			---	ML	1.1	1149870	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.36	283.8	Lg	08:41:17.757	-0.5					T__				---		1149869	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1 (Station ML: 1.1 magdef=0																									
MORH	0.96	154.8	Lg	08:41:37.814	0.0					T__				---		1149868	FDSN	HU	--	BUD	iLoc	HHN	???	_	

KOVH 1.00 178.2 Lg 08:41:38.410 -0.9 T\_\_ --- 1149867 FDSN HU -- BUD iLoc HHN ??? \_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
2023/07/11 08:56:18.66 1.48 0.90 48.6900 21.4050 12.4 7.5 154 0.0f 8 6 175 0.41 1.27 sx BUD 19003486 BUD 304

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.41	195.6	Lg	08:56:33.445	-0.7					T__						1149893	FDSN	HU	--	BUD	iLoc	HHN	???	_	
JOS	0.61	251.6	Pg	08:56:30.958	0.2					T__		45.9			ML	1.5	1149891	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.61	251.6	Lg	08:56:39.900	-0.0					T__						1149890	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.5 magdef=1)																					
				(Station ML: 1.5 magdef=1)																					
KOLS	0.62	66.7	Lg	08:56:40.207	-0.7					T__						1149894	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KECS	0.64	251.6	Lg	08:56:40.373	-0.9					T__						1149892	FDSN	SK	--	BUD	iLoc	EHN	???	_	
HU02A	0.82	226.2	Pg	08:56:36.408	0.9					T__		37.8			ML	1.5	1149889	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.82	226.2	Lg	08:56:46.926	-1.2					T__						1149895	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.5 magdef=1)																					
				(Station ML: 1.5 magdef=1)																					
PSZ	1.27	233.1	Sn	08:57:02.159	0.1					T__						1149896	FDSN	GE	--	BUD	iLoc	HHN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
2023/07/11 09:32:27.16 1.05 0.64 47.9450 16.0668 6.2 4.4 29 0.0f 7 4 136 0.14 1.14 sx BUD 19003488 BUD 244

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.14	263.1	Pg	09:32:30.564	0.4					T__		176.3			ML	0.9	1149916	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.14	263.1	Lg	09:32:31.989	-0.4					T__						1149918	FDSN	OE	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 0.9 magdef=1)																					
				(Station ML: 0.9 magdef=1)																					
RONA	0.29	147.7	Pg	09:32:33.630	0.4					T__						1149917	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.29	147.7	Lg	09:32:36.844	-0.5					T__						1149919	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.79	208.1	Lg	09:32:51.493	-0.8					T__						1149920	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.14	10.9	Pg	09:32:49.108	0.1					T__		19.7			ML	1.4	1149921	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.14	10.9	Lg	09:33:05.290	-0.5					T__						1149922	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.4 magdef=1)																					
				(Station ML: 1.4 magdef=1)																					

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
2023/07/11 09:51:25.15 1.77 0.94 48.4520 17.6219 14.2 3.9 124 0.0f 9 5 229 0.24 1.29 sx BUD 19003490 BUD 286

Magnitude Err Nsta Author OrigID  
ML 1.4 0.3 3 BUD 19003490

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.24	251.3	Pg	09:51:30.743	0.2					T__						1149945	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.24	251.3	Lg	09:51:33.681	-1.3					T__						1149946	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.41	4.5	Pg	09:51:34.023	0.2					T__		56.5			ML	1.2	1149948	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_

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JAVC  0.41  4.5 Lg      09:51:39.856 -0.8      T__          ---          1149947  FDSN CZ      -- BUD  iLoc  HHN ??? _
(Reading ML:  1.2 magdef=1
(Station ML:  1.2 magdef=1
ZST   0.43 233.7 Lg     09:51:40.871 -0.2      T__          ---          1149953  FDSN SK      -- BUD  iLoc  HHN ??? _
KRUC  1.02 307.4 Pg     09:51:45.424  0.8      T__          19.7         --- ML    1.4 1149950  FDSN CZ      -- BUD  iLoc  HHZ HHZ _
KRUC  1.02 307.4 Lg     09:51:59.348 -0.2      T__          ---          1149949  FDSN CZ      -- BUD  iLoc  HHN ??? _
(Reading ML:  1.4 magdef=1
(Station ML:  1.4 magdef=1
CONA  1.29 246.7 Pn     09:51:51.555  1.4      T__          55.8         --- ML    2.0 1149951  FDSN OE      -- BUD  iLoc  HHZ HHZ _
CONA  1.29 246.7 Lg     09:52:07.268  0.1      T__          ---          1149952  FDSN OE      -- BUD  iLoc  HHN ??? _
(Reading ML:  2.0 magdef=1
(Station ML:  2.0 magdef=1

```

```

Date      Time      Err    RMS Latitude Longitude Smaj Smin Az Depth  Err Ndef Nsta Gap  mdist Mdist Qual  Author  OrigID  Rep  DPdep  Err Sgp
2023/07/11 09:59:50.54  0.96  0.59  48.1302  16.9762  7.8  3.7 135  0.0f  12  7 174  0.11  1.32  sx BUD  19003492  BUD  187

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Magnitude Err Nsta Author OrigID

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Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
ZST  0.11  52.0 Pg      09:59:53.761  0.4      T__          ---          1149981  FDSN SK      -- BUD  iLoc  HHZ ??? _
ZST  0.11  52.0 Lg     09:59:55.507 -0.2      T__          ---          1149985  FDSN SK      -- BUD  iLoc  HHN ??? _
MODS 0.32  39.5 Pg     09:59:57.636  0.2      T__          ---          1149980  FDSN SK      -- BUD  iLoc  HHZ ??? _
MODS 0.32  39.5 Lg     10:00:02.022 -1.0      T__          ---          1149986  FDSN SK      -- BUD  iLoc  HHN ??? _
RONA 0.63  227.0 Pg     10:00:02.980 -0.2      T__          ---          1149984  FDSN OE      -- BUD  iLoc  HHZ ??? _
RONA 0.63  227.0 Lg     10:00:11.284 -0.3      T__          ---          1149987  FDSN OE      -- BUD  iLoc  HHN ??? _
CONA 0.77  255.3 Lg     10:00:16.266  0.2      T__          ---          1149988  FDSN OE      -- BUD  iLoc  HHN ??? _
KRUC 1.01  337.7 Pg     10:00:10.560  0.6      T__          17.9         --- ML    1.3 1149983  FDSN CZ      -- BUD  iLoc  HHZ HHZ _
KRUC 1.01  337.7 Lg     10:00:24.485 -0.3      T__          ---          1149982  FDSN CZ      -- BUD  iLoc  HHN ??? _
(Reading ML:  1.3 magdef=1
(Station ML:  1.3 magdef=1
VRAC 1.21  348.0 Lg     10:00:30.325 -0.8      T__          ---          1149989  FDSN CZ      -- BUD  iLoc  HHN ??? _
ARSA 1.32  228.7 Pn     10:00:16.610  0.8      T__          24.4         --- ML    1.6 1149991  FDSN OE      -- BUD  iLoc  HHZ HHZ _
ARSA 1.32  228.7 Sn     10:00:34.240  0.2      T__          ---          1149990  FDSN OE      -- BUD  iLoc  HHN ??? _
(Reading ML:  1.6 magdef=1
(Station ML:  1.6 magdef=1

```

```

Date      Time      Err    RMS Latitude Longitude Smaj Smin Az Depth  Err Ndef Nsta Gap  mdist Mdist Qual  Author  OrigID  Rep  DPdep  Err Sgp
2023/07/11 12:06:51.10  1.01  1.25  45.8573  16.0008  7.7  4.4 108  10.0f  10  5 181  0.03  1.20  ke BUD  19003496  BUD  249

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Magnitude Err Nsta Author OrigID  
ML 1.7 0.0 5 BUD 19003496

```

Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
ZAG  0.03  197.7 Pg     12:06:52.803 -0.3      T__          6927.2       --- ML    2.2 1150102  FDSN CR      -- BUD  iLoc  BHZ BHZ _
ZAG  0.03  197.7 Lg     12:06:54.357 -0.2      T__          ---          1150103  FDSN CR      -- BUD  iLoc  BHN ??? _
(Reading ML:  2.2 magdef=1
(Station ML:  2.2 magdef=0
PTJ  0.05  335.3 Pg     12:06:52.611 -1.0      T__          1872.3       --- ML    1.7 1150105  FDSN CR      -- BUD  iLoc  BHZ BHZ _
PTJ  0.05  335.3 Lg     12:06:53.697 -2.0      T__          ---          1150104  FDSN CR      -- BUD  iLoc  BHN ??? _
(Reading ML:  1.7 magdef=1

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```

(Station ML: 1.7 magdef=1
CRES 0.38 265.5 Pg 12:06:59.212 0.5 T__ 43.1 ___ ML 1.0 1150106 FDSN SL -- BUD iLoc BHZ BHZ _
CRES 0.38 265.5 Lg 12:07:05.152 0.6 T__ ___ 1150107 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=0
KOGS 0.62 16.3 Pg 12:07:04.918 1.7 T__ 69.4 ___ ML 1.7 1150109 FDSN SL -- BUD iLoc BHZ BHZ _
KOGS 0.62 16.3 Lg 12:07:11.816 0.4 T__ ___ 1150108 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
OBKA 1.20 303.4 Pn 12:07:15.244 1.2 T__ 33.6 ___ ML 1.7 1150110 FDSN OE -- BUD iLoc HHZ HHZ _
OBKA 1.20 303.4 Sn 12:07:31.426 1.0 T__ ___ 1150111 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1

```

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/11	22:20:04.73	0.97	1.00	47.7106	16.1130	6.0	4.6	22	10.0f		6	3	132	0.12	0.61	ke	BUD	19003502	BUD			258

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.12	95.0	Pg	22:20:08.112	0.1					T__						1151723	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.12	95.0	Lg	22:20:10.539	0.1					T__						1151722	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.28	322.2	Pg	22:20:11.454	0.8					T__		20.3		___	ML	0.4	1151724	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.28	322.2	Lg	22:20:13.243	-1.5					T__				___		1151725	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.4 magdef=1																									
(Station ML: 0.4 magdef=0																									
ARSA	0.61	221.2	Pg	22:20:16.543	-0.1					T__		28.1		___	ML	1.3	1151727	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
ARSA	0.61	221.2	Lg	22:20:24.613	0.1					T__				___		1151726	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1																									
(Station ML: 1.3 magdef=0																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/12	05:58:50.14	0.97	0.95	47.2741	17.7019	9.6	3.5	142	0.0f		8	6	109	0.15	1.24	sx	BUD	19003508	BUD			176

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MPLH	0.15	226.9	Pg	05:58:54.371	0.5					T__		673.2		___	ML	1.6	1151809	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.15	226.9	Lg	05:58:56.096	-0.9					T__				___		1151811	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1																									
(Station ML: 1.6 magdef=1																									
HU08A	0.22	43.7	Pg	05:58:55.811	0.7					T__		640.6		___	ML	1.7	1151810	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU08A	0.22	43.7	Lg	05:58:57.855	-1.5					T__				___		1151812	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1																									
(Station ML: 1.7 magdef=1																									
CSKK	0.39	76.6	Lg	05:59:04.784	-0.6					T__				___		1151813	FDSN	HU	--	BUD	iLoc	HHN	???	_	
RONA	1.04	294.6	Lg	05:59:24.224	-0.5					T__				___		1151814	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KOVH	1.22	166.8	Sn	05:59:30.778	-0.3					T__				___		1151815	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MORH	1.24	148.2	Sn	05:59:31.945	0.2					T__				___		1151816	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/12	07:06:41.80	1.47	0.75	48.4225	17.4913	11.5	4.0	120	0.0f	9	6	213	0.15	1.20	sx	BUD	19003510	BUD				276

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MODS	0.15	251.1	Pg	07:06:45.479	0.0					T__						1151860	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.15	251.1	Lg	07:06:47.459	-1.1					T__						1151866	FDSN	SK	--	BUD	iLoc	HHN	???	_
ZST	0.34	229.0	Pg	07:06:49.694	0.6					T__						1151861	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.34	229.0	Lg	07:06:53.804	-1.1					T__						1151867	FDSN	SK	--	BUD	iLoc	HHN	???	_
JAVC	0.45	15.2	Pg	07:06:51.483	0.1					T__		54.4				1151862	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.3 magdef=1)																								
(Station ML: 1.3 magdef=1)																								
KRUC	0.97	311.8	Pg	07:07:00.745	0.4					T__		27.9				1151864	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	0.97	311.8	Lg	07:07:14.648	0.0					T__						1151863	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.5 magdef=1)																								
(Station ML: 1.5 magdef=1)																								
RONA	1.08	228.4	Pg	07:07:03.896	0.7					T__						1151865	FDSN	OE	--	BUD	iLoc	HHZ	???	_
CONA	1.20	246.2	Lg	07:07:20.953	0.1					T__						1151868	FDSN	OE	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/13	08:55:31.03	1.29	1.34	47.2447	18.2932	8.4	4.6	116	0.0f	8	6	157	0.12	1.16	sx	BUD	19003522	BUD				177

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CSKK	0.12	349.4	Pg	08:55:34.652	0.6					T__		193.7				1152848	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.12	349.4	Lg	08:55:36.291	-0.7					T__						1152850	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 0.9 magdef=1)																								
(Station ML: 0.9 magdef=1)																								
HU09A	0.40	8.7	Lg	08:55:45.899	-0.6					T__						1152851	FDSN	Z6	00	BUD	iLoc	HHN	???	_
MPLH	0.52	262.0	Pg	08:55:42.657	0.8					T__		37.8				1152849	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.52	262.0	Lg	08:55:48.938	-1.0					T__						1152852	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.3 magdef=1)																								
(Station ML: 1.3 magdef=1)																								
EGYH	0.68	285.1	Lg	08:55:54.431	-0.7					T__						1152853	FDSN	HU	--	BUD	iLoc	HHN	???	_
MORH	1.06	166.7	Lg	08:56:06.611	-0.9					T__						1152854	FDSN	HU	--	BUD	iLoc	HHN	???	_
KOVH	1.16	186.6	Sn	08:56:08.724	-2.1					T__						1152855	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/13	09:02:17.73	1.73	0.62	48.5061	20.8135	14.6	6.0	20	0.0f	6	4	219	0.18	0.43	sx	BUD	19003524	BUD				299

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
JOS	0.18	266.9	Pg	09:02:22.047	0.5					T__		86.9				1152874	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.18	266.9	Lg	09:02:24.325	-0.3					T__						1152875	FDSN	Z6	--	BUD	iLoc	HHN	???	_
(Reading ML: 0.7 magdef=1)																								
(Station ML: 0.7 magdef=1)																								

KECS	0.22	264.1	Pg	09:02:22.430	0.1	T__	242.6	___	ML	1.3	1152877	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.22	264.1	Lg	09:02:25.156	-0.8	T__		---			1152876	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Reading ML: 1.3 magdef=1)																			
(Station ML: 1.3 magdef=1)																			
ABAH	0.35	126.3	Lg	09:02:30.851	-0.5	T__		---			1152878	FDSN	HU	--	BUD	iLoc	HHN	???	_
HU02A	0.43	206.7	Lg	09:02:34.076	0.1	T__		---			1152879	FDSN	Z6	00	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/13	09:45:23.32	0.89	1.19	47.8350	19.4200	10.1	2.6	164	0.0f		18	13	157	0.27	1.55	sx	BUD	19003526	BUD			164

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.1	5 BUD	19003526

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU10A	0.27	272.3	Pg	09:45:30.191	0.9					T__		1057.4		___	ML	2.1	1152913	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU10A	0.27	272.3	Lg	09:45:33.459	-0.6					T__				---		1152916	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=0)																									
ET1H	0.31	81.6	Pg	09:45:31.000	0.8					T__		289.9		___	ML	1.6	1152914	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.31	81.6	Lg	09:45:34.567	-0.7					T__				---		1152917	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=0)																									
PSZ	0.33	75.2	Pg	09:45:32.022	1.2					T__		327.1		___	ML	1.7	1152915	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.33	75.2	Lg	09:45:35.440	-1.1					T__				---		1152918	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
HU09A	0.73	254.7	Lg	09:45:48.856	-1.2					T__				---		1152919	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.80	68.4	Lg	09:45:50.793	-1.6					T__				---		1152920	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP17A	0.83	61.9	Lg	09:45:51.376	-1.2					T__				---		1152921	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP16A	0.91	55.5	Lg	09:45:53.990	-1.2					T__				---		1152922	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CSKK	0.92	239.4	Lg	09:45:54.703	-1.8					T__				---		1152923	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KECS	0.96	47.3	Lg	09:45:56.369	-0.7					T__				---		1152924	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	1.00	48.2	Pg	09:45:43.990	0.8					T__		39.3		___	ML	1.7	1152926	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	1.00	48.2	Lg	09:45:57.532	-1.2					T__				---		1152925	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
HU08A	1.09	248.8	Pn	09:45:45.512	0.7					T__		83.9		___	ML	2.0	1152928	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU08A	1.09	248.8	Sn	09:46:00.417	-1.3					T__				---		1152927	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
MPLH	1.44	243.1	Sn	09:46:11.399	1.1					T__				---		1152929	FDSN	HU	--	BUD	iLoc	HHN	???	_	
JAVC	1.55	311.9	Sn	09:46:13.879	-0.5					T__				---		1152930	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/13	13:07:56.23	1.59	0.67	47.9016	19.1380	26.9	3.6	159	0.0f		11	10	180	0.10	1.31	sx	BUD	19003530	BUD			181
2023/07/13	13:07:56.28	0.96	0.84	47.8327	19.1394f				0.0f		11	10	154	0.08	1.27	kx	BUD_GT	19003531	BUD_GT			194

(locality: Sejce-Vác Hungary)  
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
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19003531

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU10A	0.08	278.8	Pg	13:07:59.148	0.7					T__		2466.6		___	ML	1.9	1153009	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU10A	0.08	278.8	Lg	13:07:59.989	-0.5					T__				___		1153010	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=0)																									
HU03A	0.32	76.9	Lg	13:08:08.484	0.0					T__				___		1153011	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ET1H	0.50	84.3	Lg	13:08:14.311	-0.4					T__				___		1153012	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	0.52	80.1	Lg	13:08:14.937	-0.9					T__				___		1153013	FDSN	GE	--	BUD	iLoc	HHN	???	_	
HU02A	0.98	72.2	Lg	13:08:30.213	-1.6					T__				___		1153014	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP17A	1.00	66.7	Lg	13:08:30.632	-1.3					T__				___		1153015	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP16A	1.07	61.0	Sn	13:08:33.311	-0.5					T__				___		1153016	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KECS	1.11	53.7	Sn	13:08:34.696	-0.5					T__				___		1153017	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	1.15	54.2	Sn	13:08:35.272	-0.8					T__				___		1153018	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
MPLH	1.27	239.2	Sn	13:08:39.267	0.1					T__				___		1153019	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/14	06:38:14.99	1.65	0.64	48.4032	19.5334	10.9	4.5	134	0.0f		16	9	174	0.54	1.14	sx	BUD	19003532	BUD			229

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.2	8 BUD	19003532

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
PSZ	0.54	153.4	Pg	06:38:26.827	0.1					T__		35.1		___	ML	1.3	1154859	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.54	153.4	Lg	06:38:34.843	-0.4					T__				___		1154862	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
ET1H	0.57	156.5	Pg	06:38:27.657	0.5					T__		22.0		___	ML	1.2	1154860	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.57	156.5	Lg	06:38:35.865	0.1					T__				___		1154863	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=0)																									
KECS	0.64	82.5	Pg	06:38:27.849	0.0					T__		102.7		___	ML	1.9	1154861	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.64	82.5	Lg	06:38:37.058	-0.4					T__				___		1154864	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=0)																									
HU10A	0.66	211.9	Lg	06:38:38.384	-0.7					T__				___		1154865	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP16A	0.67	94.8	Pg	06:38:29.121	0.6					T__		90.5		___	ML	1.8	1154869	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.67	94.8	Lg	06:38:38.617	-0.1					T__				___		1154868	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
JOS	0.68	81.7	Pg	06:38:28.619	0.1					T__		58.5		___	ML	1.6	1154867	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.68	81.7	Lg	06:38:38.179	-0.5					T__				___		1154866	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
HU02A	0.72	112.6	Pg	06:38:30.273	0.3					T__		30.4		___	ML	1.4	1154871	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.72	112.6	Lg	06:38:40.237	-1.0					T__				___		1154870	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
NIE	1.13	26.2	Pn	06:38:37.496	0.1					T__		15.1		___	ML	1.3	1154872	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									

ABAH 1.14 94.7 Pn 06:38:38.410 1.3 T\_\_ 34.6 \_\_\_ ML 1.7 1154873 FDSN HU -- BUD iLoc HHZ HHZ \_  
 ABAH 1.14 94.7 Sn 06:38:53.655 -0.9 T\_\_ \_\_\_ 1154874 FDSN HU -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.7 magdef=1  
 (Station ML: 1.7 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/14	07:25:22.08	1.78	0.96	47.9727	20.3594	18.2	3.4	142	0.0f	12	7	217	0.19	0.54	sx	BUD	19003534	BUD				231

Magnitude	Err	Nsta	Author	OrigID
ML	1.2	0.1	6 BUD	19003534

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU02A	0.19	36.5	Pg	07:25:26.678	0.2					T__		265.9		___	ML	1.2	1154916	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.19	36.5	Lg	07:25:28.988	-1.1					T__				---		1154918	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1 (Station ML: 1.2 magdef=1																									
CP17A	0.27	22.3	Pg	07:25:28.403	0.7					T__		144.8		___	ML	1.2	1154915	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.27	22.3	Lg	07:25:31.607	-0.5					T__				---		1154919	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1 (Station ML: 1.2 magdef=1																									
PSZ	0.32	260.3	Pg	07:25:30.127	0.8					T__		48.0		___	ML	0.9	1154917	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.32	260.3	Lg	07:25:33.545	-1.2					T__				---		1154920	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1 (Station ML: 0.9 magdef=0																									
ET1H	0.34	254.3	Lg	07:25:33.990	-1.2					T__				---		1154921	FDSN	HU	--	BUD	iLoc	HHN	???	_	
CP16A	0.39	18.0	Pg	07:25:30.883	0.8					T__		79.7		___	ML	1.3	1154922	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.39	18.0	Lg	07:25:35.642	-0.5					T__				---		1154923	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1 (Station ML: 1.3 magdef=1																									
KECS	0.52	9.3	Pg	07:25:33.417	0.8					T__		143.3		___	ML	1.9	1154924	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Reading ML: 1.9 magdef=1 (Station ML: 1.9 magdef=0																									
JOS	0.54	12.9	Pg	07:25:33.465	0.6					T__		20.3		___	ML	1.1	1154925	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.54	12.9	Lg	07:25:40.390	-0.8					T__				---		1154926	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1 (Station ML: 1.1 magdef=1																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/14	08:00:57.49	1.47	1.26	48.5005	17.5765	13.9	3.5	121	0.0f	8	6	216	0.24	1.28	sx	BUD	19003536	BUD				280

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
MODS	0.24	237.6	Pg	08:01:02.980	0.2					T__				---		1154954	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.24	237.6	Lg	08:01:05.131	-2.0					T__				---		1154957	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.36	9.8	Pg	08:01:05.833	0.5					T__		77.7		___	ML	1.2	1154955	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.36	9.8	Lg	08:01:09.943	-1.5					T__				---		1154958	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1 (Station ML: 1.2 magdef=0																									
ZST	0.44	226.2	Lg	08:01:13.387	-0.3					T__				---		1154959	FDSN	SK	--	BUD	iLoc	HHN	???	_	



KRUC	0.96	306.2	Lg	08:01:30.246	0.2	T__	---	1154960	FDSN	CZ	--	BUD	iLoc	HHN	???	_
RONA	1.17	227.4	Lg	08:01:36.315	0.4	T__	---	1154961	FDSN	OE	--	BUD	iLoc	HHN	???	_
CONA	1.28	244.1	Lg	08:01:40.283	1.1	T__	---	1154956	FDSN	OE	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/14	08:16:05.47	1.24	1.17	47.9340	20.1507	13.7	2.8	151	0.0f	13	9	190	0.17	0.81	sx	BUD	19003538	BUD			200	

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.0	5 BUD	19003538

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
PSZ	0.17	264.9	Pg	08:16:10.134	0.4					T__		912.2		---	ML	1.7	1154989	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.17	264.9	Lg	08:16:12.913	-0.3					T__				---		1154992	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=0)																									
ET1H	0.20	253.8	Pg	08:16:10.390	0.3					T__		550.0		---	ML	1.6	1154988	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.20	253.8	Lg	08:16:13.786	0.2					T__				---		1154993	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1 Station ML: 1.6 magdef=1)																									
HU02A	0.31	53.0	Pg	08:16:12.945	0.5					T__		207.5		---	ML	1.5	1154990	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.31	53.0	Lg	08:16:16.320	-1.6					T__				---		1154994	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=1)																									
CP17A	0.37	40.1	Pg	08:16:14.605	1.3					T__		177.2		---	ML	1.6	1154995	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1 Station ML: 1.6 magdef=1)																									
CP16A	0.48	32.4	Lg	08:16:22.086	-0.8					T__				---		1154996	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KECS	0.59	22.1	Lg	08:16:25.501	-1.1					T__				---		1154997	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	0.62	24.7	Pg	08:16:19.247	1.3					T__		30.7		---	ML	1.3	1154991	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.62	24.7	Lg	08:16:25.912	-1.5					T__				---		1154998	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1 Station ML: 1.3 magdef=0)																									
HU10A	0.77	263.8	Lg	08:16:32.574	-1.0					T__				---		1154999	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ABAH	0.81	63.2	Lg	08:16:33.573	-1.4					T__				---		1155000	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/07/14	08:24:48.80	1.04	1.16	48.5463	21.4121	12.1	4.5	147	0.0f	10	8	150	0.28	1.19	sx	BUD	19003540	BUD			299			

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ABAH	0.28	204.7	Lg	08:24:59.533	-0.2					T__				---		1155037	FDSN	HU	--	BUD	iLoc	HHN	???	_	
JOS	0.58	265.3	Lg	08:25:08.931	-0.4					T__				---		1155033	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
CP16A	0.62	250.9	Lg	08:25:11.461	1.0					T__				---		1155034	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KECS	0.62	264.5	Lg	08:25:09.921	-0.6					T__				---		1155030	FDSN	SK	--	BUD	iLoc	EHN	???	_	
CP17A	0.68	241.7	Lg	08:25:13.083	0.1					T__				---		1155035	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KOLS	0.69	55.5	Pg	08:25:02.677	0.6					T__				---		1155031	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.69	55.5	Lg	08:25:10.683	-2.6					T__				---		1155032	FDSN	SK	--	BUD	iLoc	HHN	???	_	
HU02A	0.73	234.7	Pg	08:25:03.789	-0.1					T__		27.8		---	ML	1.3	1155028	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.73	234.7	Lg	08:25:14.776	-0.5					T__				---		1155029	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

(Reading ML: 1.3 magdef=1  
 (Station ML: 1.3 magdef=0  
 PSZ 1.19 238.8 Sn 08:25:29.769 -0.5 T\_\_ --- 1155036 FDSN GE -- BUD iLoc HHN ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/14	08:29:17.16	0.98	0.95	48.9577	19.3098	6.1	5.0	42	0.0f		16	12	95	0.80	1.44	sx	BUD	19003542	BUD			136

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.1	5 BUD	19003542

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
NIE	0.80	54.3	Pg	08:29:33.087	0.9					T__		26.2		---	ML	1.4	1155072	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.80	54.3	Lg	08:29:43.094	-0.5					T__				---		1155075	FDSN	PL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.4 magdef=1 (Station ML: 1.4 magdef=0																									
KECS	0.91	120.9	Pg	08:29:34.875	-0.4					T__		158.0		---	ML	2.2	1155070	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.91	120.9	Lg	08:29:48.119	-0.6					T__				---		1155069	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.2 magdef=1 (Station ML: 2.2 magdef=0																									
JOS	0.94	119.1	Pg	08:29:35.344	-0.3					T__		42.8		---	ML	1.7	1155067	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.94	119.1	Lg	08:29:48.587	-0.9					T__				---		1155068	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=1																									
CP16A	1.02	126.6	Lg	08:29:52.502	0.7					T__				---		1155076	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU03A	1.07	169.5	Sn	08:29:55.420	0.2					T__				---		1155078	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
JAVC	1.09	265.4	Lg	08:29:55.201	-0.3					T__				---		1155077	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
PSZ	1.11	159.3	Pn	08:29:40.028	0.7					T__		40.8		---	ML	1.7	1155073	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.11	159.3	Lg	08:29:56.252	-0.4					T__				---		1155079	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=1																									
ET1H	1.14	160.7	Lg	08:29:57.657	0.3					T__				---		1155074	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU02A	1.16	135.5	Pn	08:29:41.050	1.1					T__		27.8		---	ML	1.6	1155071	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=1																									
OJC	1.30	13.9	Lg	08:29:57.461	-2.0					T__				---		1155080	FDSN	PL	--	BUD	iLoc	BHN	???	_	
MORC	1.42	306.0	Lg	08:30:02.646	-0.4					T__				---		1155081	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
ABAH	1.44	116.6	Sn	08:30:05.857	1.5					T__				---		1155082	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/14	09:04:57.48	2.28	0.69	48.6124	20.8311	16.6	4.6	6	0.0f		8	5	258	0.23	0.53	sx	BUD	19003544	BUD			321

Magnitude	Err	Nsta	Author	OrigID
ML	1.0	0.3	3 BUD	19003544

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.23	239.0	Pg	09:05:02.150	-0.0					T__		66.4		---	ML	0.8	1155110	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.23	239.0	Lg	09:05:05.900	0.1					T__				---		1155113	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1 (Station ML: 0.8 magdef=1																									
KECS	0.26	240.7	Pg	09:05:02.874	-0.1					T__		213.6		---	ML	1.4	1155111	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_

KECS	0.26	240.7	Lg	09:05:07.007	-0.1	T__								1155114	FDSN	SK	--	BUD	iLoc	EHN	???	_	
	(Reading ML: 1.4 magdef=1)																						
	(Station ML: 1.4 magdef=1)																						
CP16A	0.33	215.7	Lg	09:05:10.393	0.9	T__								1155115	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ABAH	0.42	139.2	Pg	09:05:06.283	0.2	T__				31.6			ML	1.0	1155117	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.42	139.2	Lg	09:05:12.522	-0.7	T__								1155116	FDSN	HU	--	BUD	iLoc	HHN	???	_	
	(Reading ML: 1.0 magdef=1)																						
	(Station ML: 1.0 magdef=1)																						
HU02A	0.53	202.7	Lg	09:05:16.245	-0.9	T__								1155112	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/14	13:01:01.51	1.65	0.49	47.9052	20.1514	19.2	3.5	155	0.0f		8	5	213	0.17	0.65	sx	BUD	19003546	BUD			225

Magnitude	Err	Nsta	Author	OrigID
ML	0.7	0.0	3 BUD	19003546

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.17	274.4	Pg	13:01:05.951	0.1					T__		147.8			ML	1.0	1156442	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.17	274.4	Lg	13:01:08.828	-0.5					T__						1156445	FDSN	GE	--	BUD	iLoc	HHN	???	_	
	(Reading ML: 1.0 magdef=1)																								
	(Station ML: 1.0 magdef=1)																								
ET1H	0.19	262.2	Pg	13:01:06.291	0.3					T__		75.4			ML	0.7	1156443	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.19	262.2	Lg	13:01:08.940	-0.5					T__						1156446	FDSN	HU	--	BUD	iLoc	HHN	???	_	
	(Reading ML: 0.7 magdef=1)																								
	(Station ML: 0.7 magdef=1)																								
HU02A	0.33	49.0	Pg	13:01:08.665	-0.1					T__		31.4			ML	0.7	1156444	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.33	49.0	Lg	13:01:14.305	-0.3					T__						1156447	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
	(Reading ML: 0.7 magdef=1)																								
	(Station ML: 0.7 magdef=1)																								
CP17A	0.40	37.4	Lg	13:01:16.690	0.7					T__						1156448	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
JDS	0.65	23.6	Lg	13:01:24.270	-0.1					T__						1156449	FDSN	Z6	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/07/15	07:48:54.16	1.01	0.84	47.8226	16.2610	7.9	3.8	32	10.0f		9	5	120	0.13	1.24	ke	BUD	19003554	BUD					193

Magnitude	Err	Nsta	Author	OrigID
ML	0.7	0.2	3 BUD	19003554

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.13	169.0	Pg	07:48:57.178	-0.3					T__						1157045	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.13	169.0	Lg	07:48:59.150	-0.7					T__						1157044	FDSN	OE	--	BUD	iLoc	HHN	???	_	
SOP	0.24	124.7	Pg	07:48:59.662	0.2					T__		58.3			ML	0.7	1157046	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.24	124.7	Lg	07:49:02.985	-0.1					T__						1157047	FDSN	HU	--	BUD	iLoc	HHN	???	_	
	(Reading ML: 0.7 magdef=1)																								
	(Station ML: 0.7 magdef=1)																								
CONA	0.29	291.6	Pg	07:49:00.228	-0.1					T__		30.9			ML	0.6	1157042	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.29	291.6	Lg	07:49:04.227	-0.4					T__						1157043	FDSN	OE	--	BUD	iLoc	HHN	???	_	
	(Reading ML: 0.6 magdef=1)																								
	(Station ML: 0.6 magdef=1)																								
ARSA	0.76	221.4	Lg	07:49:20.076	1.5					T__						1157048	FDSN	OE	--	BUD	iLoc	HHN	???	_	

KRUC	1.24	4.1	Pn	07:49:17.821	0.8				T__	26.8	---	ML	1.6	1157050	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.24	4.1	Sn	07:49:34.546	0.7				T__		---			1157049	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1)																						
(Station ML: 1.6 magdef=1)																						

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/15	07:51:58.01	1.06	0.54	46.1318	18.3019	11.4	3.7	159	0.0f	5	3	182	0.15	0.39	sx	BUD	19003556	BUD				285

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
KOVH	0.15	252.9	Pg	07:52:01.862	0.2					T__	353.1			---	ML	1.3	1157073	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.15	252.9	Lg	07:52:04.017	-0.5					T__				---		1157074	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
MORH	0.25	70.6	Pg	07:52:03.816	0.2					T__	94.2			---	ML	1.0	1157070	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.25	70.6	Lg	07:52:07.687	-0.4					T__				---		1157071	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
A266A	0.39	356.3	Lg	07:52:12.744	-0.2					T__				---		1157072	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/15	08:53:06.73	0.92	0.73	46.1628	16.0061	6.3	3.6	122	0.0f	15	9	124	0.26	1.55	sx	BUD	19003558	BUD				167

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.1	6 BUD	19003558

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
PTJ	0.26	185.9	Pg	08:53:12.781	0.4					T__	179.6			---	ML	1.3	1157109	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.26	185.9	Lg	08:53:15.629	-1.0					T__				---		1157110	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=0)																									
KOGS	0.33	30.6	Pg	08:53:13.438	-0.3					T__	685.6			---	ML	2.1	1157108	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.33	30.6	Lg	08:53:18.230	-0.3					T__				---		1157111	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
CRES	0.51	228.9	Pg	08:53:17.061	0.4					T__	103.3			---	ML	1.7	1157113	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.51	228.9	Lg	08:53:23.342	-0.8					T__				---		1157112	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
BEHE	0.62	59.8	Pg	08:53:20.669	1.1					T__	407.7			---	ML	2.5	1157106	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BEHE	0.62	59.8	Lg	08:53:27.498	-0.8					T__				---		1157107	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.5 magdef=1)																									
(Station ML: 2.5 magdef=0)																									
A263A	1.02	61.7	Lg	08:53:41.090	-0.5					T__				---		1157116	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
OBKA	1.07	289.5	Pg	08:53:28.090	1.1					T__	74.2			---	ML	2.0	1157114	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
OBKA	1.07	289.5	Lg	08:53:40.798	-0.5					T__				---		1157115	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
ARSA	1.14	343.2	Pg	08:53:29.185	0.5					T__	55.0			---	ML	1.9	1157118	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_

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ARSA  1.14 343.2 Lg      08:53:42.551 -0.5          T__          ---          1157117    FDSN OE      -- BUD  iLoc  HHN ??? _
(Reading ML:  1.9 magdef=1
(Station ML:  1.9 magdef=1
MPLH  1.46  45.8 Sn      08:53:52.922 -0.4          T__          ---          1157119    FDSN HU      -- BUD  iLoc  HHN ??? _
RONA  1.55   7.3 Sn      08:53:55.552 -0.3          T__          ---          1157120    FDSN OE      -- BUD  iLoc  HHN ??? _

```

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Date      Time      Err    RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author  OrigID  Rep  DPdep  Err Sgp
2023/07/15 18:46:40.33  1.31  1.33  45.5027  16.4707  15.9  7.6  41  10.0f  7  5 148  0.54  1.68  ke BUD  19003562  BUD  230

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Magnitude Err Nsta Author OrigID

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Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
PTJ  0.54 319.1 Pg      18:46:50.779 -0.5          T__          57.0          ___ ML  1.5 1157242  FDSN CR  -- BUD  iLoc  BHZ BHZ _
PTJ  0.54 319.1 Lg      18:46:59.470  0.3          T__          ___          1157243  FDSN CR  -- BUD  iLoc  BHN ??? _
(Reading ML:  1.5 magdef=1
(Station ML:  1.5 magdef=1
CRES  0.78 294.8 Pg      18:46:56.129  1.0          T__          28.7          ___ ML  1.4 1157246  FDSN SL  -- BUD  iLoc  BHZ BHZ _
CRES  0.78 294.8 Lg      18:47:05.769 -1.2          T__          ___          1157245  FDSN SL  -- BUD  iLoc  BHN ??? _
(Reading ML:  1.4 magdef=1
(Station ML:  1.4 magdef=1
BLY  0.91 145.9 Lg      18:47:08.855 -0.6          T__          ___          1157244  FDSN MN  -- BUD  iLoc  HHN ??? _
KOVH  1.28 62.2 Sn      18:47:22.317  1.7          T__          ___          1157247  FDSN HU  -- BUD  iLoc  HHN ??? _
MORH  1.68 64.1 Lg      18:47:34.838  1.0          T__          ___          1157241  FDSN HU  -- BUD  iLoc  HHN ??? _

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Date      Time      Err    RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author  OrigID  Rep  DPdep  Err Sgp
2023/07/16 02:50:07.46  1.37  1.93  45.6649  16.4708  15.7  9.7  17  10.0f  6  3 145  0.73  1.21  ke BUD  19003566  BUD  278

```

Magnitude Err Nsta Author OrigID  
ML 1.3 0.2 3 BUD 19003566

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Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
CRES  0.73 283.1 Pn      02:50:24.185  0.7          T__          17.5          ___ ML  1.1 1158393  FDSN SL  -- BUD  iLoc  BHZ BHZ _
CRES  0.73 283.1 Lg      02:50:31.865 -0.4          T__          ___          1158392  FDSN SL  -- BUD  iLoc  BHN ??? _
(Reading ML:  1.1 magdef=1
(Station ML:  1.1 magdef=1
BLY  1.05 150.9 Pn      02:50:29.464  1.8          T__          18.5          ___ ML  1.3 1158391  FDSN MN  -- BUD  iLoc  HHZ HHZ _
BLY  1.05 150.9 Lg      02:50:40.191 -0.6          T__          ___          1158395  FDSN MN  -- BUD  iLoc  HHN ??? _
(Reading ML:  1.3 magdef=1
(Station ML:  1.3 magdef=1
KOVH  1.21 69.0 Pg      02:50:30.641  0.0          T__          21.6          ___ ML  1.5 1158394  FDSN HU  -- BUD  iLoc  HHZ HHZ _
KOVH  1.21 69.0 Sn      02:50:43.341 -2.6          T__          ___          1158390  FDSN HU  -- BUD  iLoc  HHN ??? _
(Reading ML:  1.5 magdef=1
(Station ML:  1.5 magdef=1

```

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Date      Time      Err    RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author  OrigID  Rep  DPdep  Err Sgp
2023/07/17 08:32:51.86  1.45  0.70  47.8093  19.8715  8.4  3.6 152  0.0f  12  9 212  0.07  1.04  sx BUD  19003580  BUD  235

```

Magnitude Err Nsta Author OrigID  
ML 1.5 0.1 3 BUD 19003580

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ET1H	0.07	359.9	Pg	08:32:54.357	0.5					T__		1517.5		---	ML	1.7	1161922	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.07	359.9	Lg	08:32:55.407	-0.3					T__				---		1161924	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
PSZ	0.11	8.1	Pg	08:32:55.197	0.3					T__		637.2		---	ML	1.4	1161921	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.11	8.1	Lg	08:32:56.284	-1.3					T__				---		1161925	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
HU03A	0.21	297.4	Pg	08:32:57.087	0.5					T__		417.4		---	ML	1.5	1161927	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.21	297.4	Lg	08:32:59.972	-0.2					T__				---		1161926	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
HU02A	0.54	54.3	Lg	08:33:11.633	-0.4					T__				---		1161928	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU10A	0.58	273.9	Lg	08:33:12.224	-1.1					T__				---		1161929	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP16A	0.70	39.8	Lg	08:33:16.787	0.3					T__				---		1161930	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KECS	0.79	31.2	Lg	08:33:19.654	-0.0					T__				---		1161931	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	0.82	32.8	Lg	08:33:20.107	-0.5					T__				---		1161932	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
ABAH	1.04	61.5	Lg	08:33:28.175	-0.6					T__				---		1161923	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/17	08:37:29.94	0.91	0.81	48.4339	17.2525	6.0	3.3	103	0.0f		10	6	131	0.06	0.98	sx	BUD	19003582	BUD			190

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.06	164.6	Pg	08:37:32.282	0.4					T__				---		1161956	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.06	164.6	Lg	08:37:33.186	-0.5					T__				---		1161960	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ZST	0.26	202.9	Pg	08:37:35.824	0.2					T__				---		1161957	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
ZST	0.26	202.9	Lg	08:37:38.874	-1.2					T__				---		1161961	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.51	32.9	Pg	08:37:41.174	0.6					T__		74.8		---	ML	1.6	1161958	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.51	32.9	Lg	08:37:47.674	-1.2					T__				---		1161959	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=0)																									
KRUC	0.85	318.2	Lg	08:37:58.098	-0.6					T__				---		1161962	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
RONA	0.98	221.5	Pg	08:37:49.582	0.3					T__				---		1161965	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.98	221.5	Lg	08:38:02.656	0.6					T__				---		1161964	FDSN	OE	--	BUD	iLoc	HHN	???	_	
VRAC	0.98	333.8	Lg	08:38:02.594	-0.2					T__				---		1161963	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/17	08:49:24.35	1.67	1.38	48.0441	20.6942	9.4	5.3	139	0.0f		11	8	198	0.14	0.58	sx	BUD	19003584	BUD			266
2023/07/17	08:49:24.52	0.93	1.24	48.0471	20.6805f				0.0f		11	8	196	0.13	0.57	kx	BUD_GT	19003585	BUD_GT			264

(locality: Miskolc-Mexikóvölgy Hungary)  
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
ML	1.2	0.3	3 BUD_GT	19003585

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
-----	------	------	-------	------	------	------	-------	------	------	-----	-----	-----	-----	------	-----------	-------	-----	--------	----	------	-----	-----	-----	---

HU02A	0.13	305.8	Pg	08:49:28.548	0.8	T__	578.2	___	ML	1.4	1161988	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.13	305.8	Lg	08:49:29.607	-0.9	T__		---			1161991	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.4 magdef=1)																			
(Station ML: 1.4 magdef=1)																			
CP17A	0.21	326.7	Pg	08:49:29.954	1.0	T__	237.4	___	ML	1.2	1161989	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.21	326.7	Lg	08:49:31.743	-0.7	T__		---			1161992	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.2 magdef=1)																			
(Station ML: 1.2 magdef=1)																			
CP16A	0.31	342.4	Pg	08:49:31.999	1.1	T__	56.2	___	ML	0.9	1161990	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.31	342.4	Lg	08:49:34.811	-1.1	T__		---			1161993	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 0.9 magdef=1)																			
(Station ML: 0.9 magdef=1)																			
ABAH	0.45	56.1	Lg	08:49:39.591	-2.0	T__		---			1161995	FDSN	HU	--	BUD	iLoc	HHN	???	_
KECS	0.46	343.5	Lg	08:49:39.908	-1.0	T__		---			1161994	FDSN	SK	--	BUD	iLoc	EHN	???	_
JOS	0.46	348.2	Lg	08:49:39.728	-1.2	T__		---			1161996	FDSN	Z6	--	BUD	iLoc	HHN	???	_
PSZ	0.54	256.6	Lg	08:49:43.048	-1.9	T__		---			1161997	FDSN	GE	--	BUD	iLoc	HHN	???	_
ET1H	0.57	253.1	Lg	08:49:45.257	-0.1	T__		---			1161998	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/17	09:06:19.50	1.05	1.08	48.8794	20.4916	10.5	5.2	89	0.0f		20	13	117	0.39	1.43		sx BUD	19003588	BUD			152

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.1	10 BUD	19003588

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.39	175.3	Pg	09:06:27.461	0.2					T__		331.9		___	ML	1.9	1162065	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.39	175.3	Lg	09:06:32.775	-0.4					T__				---		1162072	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=0)																									
KECS	0.40	180.6	Pg	09:06:27.553	0.0					T__		597.3		___	ML	2.2	1162074	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.40	180.6	Lg	09:06:33.067	-0.5					T__				---		1162073	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
CP16A	0.54	176.6	Pg	09:06:31.515	1.2					T__		406.7		___	ML	2.4	1162066	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.54	176.6	Lg	09:06:38.143	-0.3					T__				---		1162075	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=0)																									
NIE	0.55	346.9	Lg	09:06:37.175	-0.8					T__				---		1162071	FDSN	PL	--	BUD	iLoc	BHN	???	_	
CP17A	0.66	178.9	Pg	09:06:33.231	0.4					T__		226.6		___	ML	2.2	1162067	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=0)																									
HU02A	0.76	178.3	Pg	09:06:35.130	-0.0					T__		104.1		___	ML	1.9	1162068	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.76	178.3	Lg	09:06:45.009	-1.9					T__				---		1162076	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=0)																									
ABAH	0.77	139.3	Pg	09:06:35.423	0.7					T__		113.5		___	ML	2.0	1162069	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
PSZ	1.04	202.7	Pn	09:06:41.247	0.7					T__		85.9		___	ML	2.0	1162077	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
ET1H	1.08	202.7	Pn	09:06:41.996	1.1					T__		99.8		___	ML	2.1	1162070	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_

ET1H	1.08	202.7	Sn	09:06:56.183	-1.6	T__								1162078	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.1 magdef=1)																						
(Station ML: 2.1 magdef=1)																						
HU03A	1.14	211.7	Pn	09:06:42.979	1.3	T__	105.3							1162081	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU03A	1.14	211.7	Sn	09:06:57.806	-1.4	T__								1162082	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.2 magdef=1)																						
(Station ML: 2.2 magdef=1)																						
KOLS	1.18	86.7	Pn	09:06:42.734	0.3	T__								1162079	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	1.18	86.7	Lg	09:06:57.214	-2.0	T__								1162080	FDSN	SK	--	BUD	iLoc	HHN	???	_
OJC	1.42	341.7	Pn	09:06:47.163	1.1	T__	72.1							1162083	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 2.1 magdef=1)																						
(Station ML: 2.1 magdef=1)																						
HU10A	1.43	224.1	Sn	09:07:06.416	0.1	T__								1162084	FDSN	Z6	00	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/17	10:41:17.42	0.90	1.05	47.6150	16.4059	4.9	4.0	173	0.0f		15	10	71	0.11	1.45	sx	BUD	19003594	BUD			125

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.5	3 BUD	19003594

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
RONA	0.11	318.9	Pg	10:41:20.149	0.1					T__						1162206	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.11	318.9	Lg	10:41:21.290	-0.7					T__						1162210	FDSN	OE	--	BUD	iLoc	HHN	???	_
SOP	0.12	56.4	Pg	10:41:21.171	0.9					T__	134.7				0.8	1162207	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.12	56.4	Lg	10:41:23.198	0.7					T__						1162208	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 0.8 magdef=1)																								
(Station ML: 0.8 magdef=1)																								
CONA	0.48	310.7	Pg	10:41:27.772	0.7					T__	47.6				1.3	1162205	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.48	310.7	Lg	10:41:32.921	-0.7					T__						1162211	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.3 magdef=1)																								
(Station ML: 1.3 magdef=1)																								
EGYH	0.66	107.2	Lg	10:41:40.227	-0.6					T__						1162213	FDSN	HU	--	BUD	iLoc	HHN	???	_
ARSA	0.70	239.0	Pg	10:41:31.497	0.5					T__	55.5				1.6	1162209	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
ARSA	0.70	239.0	Lg	10:41:39.421	-0.4					T__						1162212	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1)																								
(Station ML: 1.6 magdef=1)																								
MPLH	0.89	119.6	Lg	10:41:47.511	-0.9					T__						1162214	FDSN	HU	--	BUD	iLoc	HHN	???	_
MODS	0.96	37.3	Pg	10:41:37.924	1.0					T__						1162216	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.96	37.3	Lg	10:41:49.610	-2.1					T__						1162215	FDSN	SK	--	BUD	iLoc	HHN	???	_
HU08A	1.05	99.6	Sn	10:41:52.439	-1.6					T__						1162217	FDSN	Z6	00	BUD	iLoc	HHN	???	_
KOGS	1.17	185.3	Lg	10:41:54.521	-0.8					T__						1162218	FDSN	SL	--	BUD	iLoc	BHN	???	_
KRUC	1.45	359.7	Sn	10:42:04.101	0.1					T__						1162219	FDSN	CZ	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/17	21:50:36.34	3.51	1.87	46.0428	21.5202	49.6	14.1	102	15.0f		6	4	236	0.43	1.68	ke	BUD	19003596	BUD			298

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BZS	0.43	171.0	Pg	21:50:45.209	0.1					T__		25.0				0.9	1162266	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_



```

BZS 0.43 171.0 Lg 21:50:51.199 -0.2 T__ --- 1162265 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=1
GZR 1.09 126.0 Sn 21:51:11.284 -0.5 T__ --- 1162267 FDSN RO -- BUD iLoc HHN ??? _
DRGR 1.11 47.3 Pn 21:50:56.822 0.3 T__ 30.9 --- ML 1.6 1162263 FDSN RO -- BUD iLoc HHZ HHZ _
DRGR 1.11 47.3 Sn 21:51:10.115 -2.2 T__ --- 1162264 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
LOT 1.68 109.9 Sn 21:51:28.814 2.3 T__ --- 1162268 FDSN RO -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/07/18 06:54:33.79 1.91 0.83 47.8557 20.1343 17.0 3.2 160 0.0f 14 9 218 0.17 0.86 sx BUD 19003600 BUD 233
2023/07/18 06:54:34.44 0.89 0.90 47.8987 20.0893f 0.0f 14 9 200 0.13 0.87 kx BUD_GT 19003601 BUD_GT 210
(locality: Recsk Hungary)
(GT info : GT2 explosion)

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```

Magnitude Err Nsta Author OrigID
ML 2.0 0.2 5 BUD_GT 19003601

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
PSZ 0.13 278.6 Pg 06:54:38.112 0.2 T__ 2236.0 --- ML 2.0 1163119 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.13 278.6 Lg 06:54:40.848 -0.0 T__ --- 1163124 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
ET1H 0.15 262.5 Pg 06:54:38.346 0.3 T__ 794.3 --- ML 1.6 1163120 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 0.15 262.5 Lg 06:54:41.273 0.3 T__ --- 1163125 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=0
HU03A 0.33 271.1 Lg 06:54:47.661 0.7 T__ --- 1163126 FDSN Z6 00 BUD iLoc HHN ??? _
HU02A 0.37 52.4 Pg 06:54:42.114 -0.3 T__ 299.3 --- ML 1.8 1163121 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.37 52.4 Lg 06:54:47.629 -1.1 T__ --- 1163127 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
CP17A 0.43 41.3 Pg 06:54:43.775 0.5 T__ 462.3 --- ML 2.2 1163122 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP17A 0.43 41.3 Lg 06:54:49.801 -0.2 T__ --- 1163128 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
CP16A 0.54 34.1 Pg 06:54:46.075 0.7 T__ 370.9 --- ML 2.4 1163123 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP16A 0.54 34.1 Lg 06:54:53.378 -0.2 T__ --- 1163129 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=0
KECS 0.64 24.2 Lg 06:54:56.505 -0.7 T__ --- 1163130 FDSN SK -- BUD iLoc EHN ??? _
JDS 0.67 26.6 Lg 06:54:57.981 -0.1 T__ --- 1163131 FDSN Z6 -- BUD iLoc HHN ??? _
ABAH 0.87 62.3 Lg 06:55:03.002 -2.7 T__ --- 1163132 FDSN HU -- BUD iLoc HHN ??? _

```

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/07/18 07:18:34.97 1.02 0.71 46.0670 22.8198 9.4 4.4 78 0.0f 9 5 138 0.19 0.95 sx BUD 19003604 BUD 250

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Magnitude Err Nsta Author OrigID
ML 2.0 0.2 4 BUD 19003604

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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DEV	0.19	162.4	Pg	07:18:38.836	0.2					T__		1603.5		___	ML	2.0	1163220	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.19	162.4	Lg	07:18:41.071	-0.3					T__				---		1163225	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1 Station ML: 2.0 magdef=1)																									
GZR	0.67	182.6	Pg	07:18:48.161	0.2					T__		129.7		___	ML	2.0	1163221	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	0.67	182.6	Lg	07:18:57.423	-0.1					T__				---		1163226	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1 Station ML: 2.0 magdef=1)																									
DRGR	0.73	354.1	Pg	07:18:50.078	0.4					T__		71.4		___	ML	1.8	1163223	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	0.73	354.1	Lg	07:19:00.085	-1.4					T__				---		1163224	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=1)																									
LOT	0.91	132.6	Pg	07:18:52.633	0.2					T__		257.0		___	ML	2.4	1163222	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
LOT	0.91	132.6	Lg	07:19:04.960	-0.7					T__				---		1163227	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.4 magdef=1 Station ML: 2.4 magdef=1)																									
BZS	0.95	242.3	Lg	07:19:06.557	-0.5					T__				---		1163228	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/18	08:22:45.29	2.04	0.95	48.6159	20.7988	13.0	4.5	2	0.0f		13	8	259	0.21	0.96	sx	BUD	19003606	BUD			322

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.1	5 BUD	19003606

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.21	235.2	Pg	08:22:49.833	0.2					T__		268.1		___	ML	1.3	1163261	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.21	235.2	Lg	08:22:53.346	0.3					T__				---		1163262	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1 Station ML: 1.3 magdef=1)																									
KECS	0.25	237.6	Pg	08:22:50.365	-0.0					T__		624.9		___	ML	1.8	1163263	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.25	237.6	Lg	08:22:54.394	0.0					T__				---		1163269	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=0)																									
CP16A	0.32	212.3	Pg	08:22:52.808	0.9					T__		188.1		___	ML	1.5	1163270	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.32	212.3	Lg	08:22:57.908	1.0					T__				---		1163264	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=1)																									
ABAH	0.43	137.3	Pg	08:22:54.583	0.4					T__		63.6		___	ML	1.3	1163271	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.43	137.3	Lg	08:23:00.564	-1.1					T__				---		1163266	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1 Station ML: 1.3 magdef=0)																									
CP17A	0.44	205.9	Lg	08:23:01.426	0.3					T__				---		1163265	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.53	200.4	Pg	08:22:55.911	-0.5					T__		42.3		___	ML	1.4	1163272	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.53	200.4	Lg	08:23:03.747	-1.1					T__				---		1163273	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1 Station ML: 1.4 magdef=1)																									
PSZ	0.92	221.2	Lg	08:23:17.980	-0.5					T__				---		1163267	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	0.96	220.4	Lg	08:23:17.448	-2.0					T__				---		1163268	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/18	08:29:56.76	1.38	0.70	47.3763	18.3669	12.6	4.4	145	0.0f	13	10	107	0.07	1.44	sx	BUD	19003608	BUD				187

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.2	3 BUD	19003608

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.07	259.7	Pg	08:29:59.116	0.2					T__		2548.9		___	ML	1.9	1163306	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.07	259.7	Lg	08:30:00.755	-0.3					T__				---		1163307	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
HU09A	0.26	2.3	Lg	08:30:07.242	-0.2					T__				---		1163316	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU08A	0.31	280.5	Lg	08:30:08.907	0.0					T__				---		1163317	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.60	250.2	Lg	08:30:17.672	-0.6					T__				---		1163308	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU10A	0.64	43.0	Lg	08:30:20.397	-0.3					T__				---		1163309	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ET1H	1.14	63.1	Pn	08:30:19.545	0.7					T__		22.0		---	ML	1.5	1163311	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	1.14	63.1	Sn	08:30:35.131	-1.1					T__				---		1163310	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
PSZ	1.17	61.7	Pn	08:30:20.227	0.8					T__		45.3		---	ML	1.8	1163312	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.17	61.7	Sn	08:30:36.834	-0.7					T__				---		1163313	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
MORH	1.18	170.6	Sn	08:30:36.068	-0.9					T__				---		1163314	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MODS	1.24	324.1	Sn	08:30:38.609	-0.7					T__				---		1163318	FDSN	SK	--	BUD	iLoc	HHN	???	_	
RONA	1.44	283.7	Sn	08:30:43.733	0.2					T__				---		1163315	FDSN	OE	--	BUD	iLoc	HHE	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/18	09:45:33.90	0.90	0.81	48.4002	17.2601	5.4	3.1	98	0.0f	12	7	126	0.03	1.05	sx	BUD	19003610	BUD				182

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.03	156.6	Pg	09:45:35.471	0.3					T__				---		1163345	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.03	156.6	Lg	09:45:36.544	0.0					T__				---		1163351	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ZST	0.23	207.3	Pg	09:45:38.878	-0.1					T__				---		1163346	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
ZST	0.23	207.3	Lg	09:45:42.543	-0.6					T__				---		1163352	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.53	30.5	Pg	09:45:45.713	0.6					T__		235.9		---	ML	2.2	1163348	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.53	30.5	Lg	09:45:52.228	-1.5					T__				---		1163347	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
KRUC	0.88	319.5	Pg	09:45:50.865	0.2					T__		75.1		---	ML	1.9	1163349	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	0.88	319.5	Lg	09:46:03.513	-0.1					T__				---		1163350	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
RONA	0.95	223.1	Pg	09:45:51.831	-1.0					T__				---		1163354	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.95	223.1	Lg	09:46:06.207	0.9					T__				---		1163353	FDSN	OE	--	BUD	iLoc	HHN	???	_	
VRAC	1.01	334.4	Lg	09:46:07.540	-0.3					T__				---		1163355	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
CONA	1.05	243.8	Lg	09:46:09.159	1.0					T__				---		1163356	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/18	09:46:04.64	1.81	0.92	47.2855	18.2633	12.4	4.0	132	0.0f	8	4	244	0.08	0.51	sx	BUD	19003612	BUD				289

Magnitude	Err	Nsta	Author	OrigID
ML	1.2	0.2	4 BUD	19003612

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
CSKK	0.08	358.6	Pg	09:46:07.303	0.4					T__		159.0		___	ML	0.7	1163379	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.08	358.6	Lg	09:46:09.198	0.1					T__				---		1163384	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.7 magdef=1)																									
(Station ML: 0.7 magdef=1)																									
HU08A	0.27	302.4	Pg	09:46:10.887	0.3					T__		113.3		___	ML	1.1	1163380	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU08A	0.27	302.4	Lg	09:46:15.434	-0.3					T__				---		1163385	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
HU09A	0.36	12.8	Pg	09:46:12.356	0.0					T__		99.8		___	ML	1.3	1163381	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU09A	0.36	12.8	Lg	09:46:18.230	-0.6					T__				---		1163382	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
MPLH	0.51	257.1	Pg	09:46:16.089	0.9					T__		45.9		___	ML	1.4	1163386	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.51	257.1	Lg	09:46:21.483	-1.7					T__				---		1163383	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/07/18	12:00:37.45	1.09	0.61	47.6716	20.3069	6.3	3.9	122	10.0f	13	9	185	0.05	0.88	ke	BUD	19003618	BUD					251

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.4	4 BUD	19003618

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU23A	0.05	230.0	Pg	12:00:39.634	-0.2					T__		2676.8		_d	ML	1.9	1163535	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.05	230.0	Lg	12:00:41.987	0.3					T__				---		1163536	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
ET1H	0.36	305.4	Pg	12:00:45.479	0.2					T__		39.2		___	ML	0.9	1163531	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.36	305.4	Lg	12:00:50.887	-0.1					T__				---		1163532	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
PSZ	0.37	311.8	Pg	12:00:45.606	-0.1					T__		76.8		___	ML	1.2	1163534	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.37	311.8	Lg	12:00:51.419	-0.4					T__				---		1163533	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
HU02A	0.47	17.9	Pg	12:00:47.065	-0.4					T__		63.5		___	ML	1.4	1163538	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.47	17.9	Lg	12:00:54.602	-0.3					T__				---		1163537	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
HU03A	0.53	296.2	Lg	12:00:56.441	-0.0					T__				---		1163539	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP17A	0.56	14.0	Lg	12:00:58.284	1.2					T__				---		1163540	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KECS	0.82	8.3	Lg	12:01:05.804	0.4					T__				---		1163541	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JDS	0.84	10.6	Sn	12:01:08.018	1.2					T__				---		1163542	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
ABAH	0.88	44.7	Lg	12:01:08.048	0.3					T__				---		1163543	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/18	15:15:38.93	1.01	1.50	47.2865	17.6941	5.8	3.7	140	0.0f		11	8	101	0.16	1.48	sx	BUD	19003620	BUD			175

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.2	3 BUD	19003620

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
MPLH	0.16	222.2	Pg	15:15:42.732	-0.0					T__		648.3		___	ML	1.5	1163572	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.16	222.2	Lg	15:15:46.064	0.1					T__				---		1163575	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
HU08A	0.21	47.1	Pg	15:15:44.222	0.5					T__		615.7		___	ML	1.7	1163574	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU08A	0.21	47.1	Lg	15:15:46.767	-1.2					T__				---		1163576	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
EGYH	0.28	298.1	Pg	15:15:45.351	0.2					T__		662.6		___	ML	1.9	1163573	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
EGYH	0.28	298.1	Lg	15:15:48.917	-1.1					T__				---		1163577	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
RONA	1.03	294.1	Lg	15:16:13.613	0.4					T__				---		1163578	FDSN	OE	--	BUD	iLoc	HNN	???	_	
MODS	1.12	345.7	Sn	15:16:16.277	-2.1					T__				---		1163579	FDSN	SK	--	BUD	iLoc	HNN	???	_	
MORH	1.26	148.3	Sn	15:16:21.411	0.6					T__				---		1163580	FDSN	HU	--	BUD	iLoc	HNN	???	_	
CONA	1.40	298.1	Lg	15:16:24.508	0.1					T__				---		1163581	FDSN	OE	--	BUD	iLoc	HNN	???	_	
ARSA	1.48	269.4	Sn	15:16:29.142	3.2					T__				---		1163582	FDSN	OE	--	BUD	iLoc	HNN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/18	22:53:34.59	1.46	1.40	45.5079	16.1262	10.7	8.0	50	10.0f		10	7	169	0.33	1.49	ke	BUD	19003632	BUD			279

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.3	3 BUD	19003632

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ZAG	0.33	343.0	Lg	22:53:47.267	1.0					T__				---		1164914	FDSN	CR	--	BUD	iLoc	BHN	???	_	
PTJ	0.41	344.5	Pg	22:53:42.157	-1.1					T__		89.4		___	ML	1.4	1164913	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.41	344.5	Lg	22:53:48.246	-1.3					T__				---		1164917	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
CRES	0.57	304.4	Pg	22:53:46.245	0.5					T__		20.8		___	ML	1.1	1164915	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.57	304.4	Lg	22:53:53.271	-0.8					T__				---		1164918	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
KOGS	0.94	5.2	Pg	22:53:53.229	0.8					T__		39.8		___	ML	1.6	1164916	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.94	5.2	Lg	22:54:07.324	2.1					T__				---		1164920	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
BEHE	1.06	25.0	Sn	22:54:11.293	1.5					T__				---		1164921	FDSN	HU	--	BUD	iLoc	HNN	???	_	
BLY	1.07	135.0	Lg	22:54:08.329	-0.5					T__				---		1164919	FDSN	MN	--	BUD	iLoc	HNN	???	_	
OBKA	1.49	312.9	Lg	22:54:23.831	1.2					T__				---		1164922	FDSN	OE	--	BUD	iLoc	HNN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/19	06:51:35.65	1.51	0.90	48.3049	19.8649	10.5	3.5	130	0.0f	15	9	222	0.39	0.92		sx	BUD	19003638	BUD			247

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.1	6 BUD	19003638

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
PSZ	0.39	177.1	Pg	06:51:44.499	0.3					T__		176.9		---	ML	1.6	1165923	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.39	177.1	Lg	06:51:50.631	-0.0					T__				---		1165922	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
ET1H	0.43	179.4	Pg	06:51:44.627	-0.2					T__		92.4		---	ML	1.5	1165921	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.43	179.4	Lg	06:51:51.504	-0.0					T__				---		1165934	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=0)																									
HU03A	0.44	204.0	Lg	06:51:51.558	-0.3					T__				---		1165933	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP17A	0.44	101.0	Pg	06:51:45.649	0.9					T__		154.4		---	ML	1.7	1165926	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.44	101.0	Lg	06:51:51.589	0.1					T__				---		1165930	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
KECS	0.45	66.4	Pg	06:51:45.707	0.9					T__		163.0		---	ML	1.8	1165927	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.45	66.4	Lg	06:51:50.221	-1.5					T__				---		1165928	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=0)																									
CP16A	0.45	85.0	Lg	06:51:51.566	-0.2					T__				---		1165929	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.48	112.3	Pg	06:51:46.160	0.4					T__		70.5		---	ML	1.5	1165925	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.48	112.3	Lg	06:51:53.356	-0.2					T__				---		1165924	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
JOS	0.49	66.7	Pg	06:51:46.275	0.8					T__		96.0		---	ML	1.6	1165931	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.49	66.7	Lg	06:51:51.811	-1.2					T__				---		1165932	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
ABAH	0.92	90.0	Lg	06:52:06.396	-1.8					T__				---		1165935	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/19	08:45:36.68	1.99	0.33	48.5456	20.8449	14.0	6.5	17	0.0f	8	6	237	0.21	0.93		sx	BUD	19003640	BUD			310

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
JOS	0.21	256.3	Pg	08:45:41.268	0.2					T__		211.7		---	ML	1.2	1166307	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.21	256.3	Lg	08:45:44.345	-0.1					T__				---		1166308	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
KECS	0.25	255.5	Pg	08:45:41.918	0.1					T__		401.0		---	ML	1.6	1166309	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.25	255.5	Lg	08:45:45.266	-0.5					T__				---		1166310	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
ABAH	0.36	133.4	Lg	08:45:50.275	-0.3					T__				---		1166313	FDSN	HU	--	BUD	iLoc	HHN	???	_	

HU02A	0.47	206.9	Lg	08:45:54.591	0.2	T__	---	1166314	FDSN	Z6	00	BUD	iLoc	HHN	???	_
PSZ	0.89	225.7	Lg	08:46:08.857	-0.0	T__	---	1166311	FDSN	GE	--	BUD	iLoc	HHN	???	_
ET1H	0.93	224.7	Lg	08:46:09.538	-0.3	T__	---	1166312	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/19	09:02:22.24	1.21	0.78	48.5591	20.4426	7.0	5.7	99	0.0f	12	9	143	0.08	0.86	sx	BUD	19003642	BUD				266

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.2	4 BUD	19003642

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
KECS	0.08	159.4	Pg	09:02:24.078	-0.1					T__		1095.2		---	ML	1.6	1166343	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.08	159.4	Lg	09:02:25.675	-0.0					T__				---		1166348	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
JOS	0.09	134.5	Pg	09:02:24.424	0.1					T__		421.2		---	ML	1.2	1166341	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.09	134.5	Lg	09:02:26.191	0.2					T__				---		1166342	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
CP16A	0.23	163.4	Pg	09:02:27.767	0.8					T__		201.5		---	ML	1.2	1166344	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
CP17A	0.34	172.3	Pg	09:02:29.832	0.5					T__		136.0		---	ML	1.4	1166345	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.34	172.3	Lg	09:02:35.035	0.3					T__				---		1166346	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
HU02A	0.44	172.8	Lg	09:02:38.182	-0.6					T__				---		1166349	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ABAH	0.59	116.1	Lg	09:02:42.795	-1.3					T__				---		1166350	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	0.74	210.0	Lg	09:02:48.020	-1.1					T__				---		1166351	FDSN	GE	--	BUD	iLoc	HHN	???	_	
ET1H	0.78	209.5	Lg	09:02:49.165	-1.0					T__				---		1166352	FDSN	HU	--	BUD	iLoc	HHN	???	_	
NIE	0.86	353.8	Lg	09:02:50.876	-0.0					T__				---		1166347	FDSN	PL	--	BUD	iLoc	BHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/19	09:05:38.95	1.03	1.04	48.8498	20.5629	9.2	4.7	83	0.0f	17	11	157	0.35	1.46	sx	BUD	19003644	BUD				198

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.0	8 BUD	19003644

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
JOS	0.35	182.5	Pg	09:05:46.533	0.4					T__		324.7		---	ML	1.8	1166392	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.35	182.5	Lg	09:05:51.706	0.1					T__				---		1166399	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=0)																									
KECS	0.37	188.0	Pg	09:05:46.490	0.0					T__		519.8		---	ML	2.0	1166393	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.37	188.0	Lg	09:05:52.260	0.1					T__				---		1166400	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
CP16A	0.51	181.7	Pg	09:05:50.301	1.1					T__		567.3		---	ML	2.5	1166394	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.5 magdef=1)																									
(Station ML: 2.5 magdef=0)																									

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NIE 0.59 343.2 Lg 09:05:57.770 -1.0 T__ --- 1166401 FDSN PL -- BUD iLoc BHN ??? _
CP17A 0.63 183.1 Lg 09:06:00.527 -0.7 T__ --- 1166402 FDSN Z6 00 BUD iLoc HHN ??? _
ABAH 0.71 140.7 Pg 09:05:53.591 0.5 T__ 140.5 --- ML 2.0 1166396 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.71 140.7 Lg 09:06:03.151 -1.8 T__ --- 1166403 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
HU02A 0.73 182.0 Pg 09:05:54.474 0.5 T__ 142.1 --- ML 2.1 1166395 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
PSZ 1.03 205.8 Pn 09:05:59.723 -0.1 T__ 102.9 --- ML 2.1 1166397 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 1.03 205.8 Lg 09:06:13.924 -1.9 T__ --- 1166404 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
ET1H 1.08 205.7 Pn 09:06:00.660 0.4 T__ 86.8 --- ML 2.0 1166398 FDSN HU -- BUD iLoc HHZ HHZ _
ET1H 1.08 205.7 Sn 09:06:15.330 -1.7 T__ --- 1166405 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
HU10A 1.44 226.3 Sn 09:06:27.006 1.0 T__ --- 1166408 FDSN Z6 00 BUD iLoc HHN ??? _
OJC 1.46 340.3 Pn 09:06:06.908 0.8 T__ 69.9 --- ML 2.2 1166406 FDSN PL -- BUD iLoc BHZ BHZ _
OJC 1.46 340.3 Lg 09:06:26.411 0.2 T__ --- 1166407 FDSN PL -- BUD iLoc BHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/07/19 10:00:23.60 0.95 0.59 48.1785 16.9622 10.6 3.4 150 0.0f 8 4 155 0.10 0.78 sx BUD 19003646 BUD 187

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
ZST 0.10 79.3 Pg 10:00:26.508 0.4 T__ --- 1166442 FDSN SK -- BUD iLoc HHZ ??? _
ZST 0.10 79.3 Lg 10:00:28.105 -0.3 T__ --- 1166445 FDSN SK -- BUD iLoc HHN ??? _
MODS 0.29 47.0 Pg 10:00:30.212 0.3 T__ --- 1166443 FDSN SK -- BUD iLoc HHZ ??? _
MODS 0.29 47.0 Lg 10:00:34.173 -0.9 T__ --- 1166444 FDSN SK -- BUD iLoc HHN ??? _
RONA 0.66 223.3 Pg 10:00:36.898 0.2 T__ --- 1166441 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.66 223.3 Lg 10:00:44.755 -0.7 T__ --- 1166446 FDSN OE -- BUD iLoc HHN ??? _
CONA 0.78 251.7 Pg 10:00:39.280 0.2 T__ 23.9 --- ML 1.3 1166447 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.78 251.7 Lg 10:00:49.545 0.3 T__ --- 1166440 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=0

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/07/19 13:21:33.78 3.94 0.83 48.5789 20.8817 21.6 12.8 65 0.0f 8 6 317 0.24 0.97 sx BUD 19003648 BUD 324

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Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
JOS 0.24 250.1 Pg 13:21:39.070 0.3 T__ 275.7 --- ML 1.4 1166488 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.24 250.1 Lg 13:21:42.775 0.1 T__ --- 1166493 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1

```



KECS	0.28	250.2	Pg	13:21:39.368	-0.2	T__	678.9	___	ML	1.9	1166489	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.28	250.2	Lg	13:21:43.626	-0.4	T__		---			1166490	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Reading ML: 1.9 magdef=1)																			
(Station ML: 1.9 magdef=1)																			
CP17A	0.44	214.6	Lg	13:21:50.486	1.0	T__		---			1166494	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU02A	0.52	207.6	Lg	13:21:51.774	-1.1	T__		---			1166495	FDSN	Z6	00	BUD	iLoc	HHN	???	_
PSZ	0.93	225.3	Lg	13:22:07.324	-0.1	T__		---			1166491	FDSN	GE	--	BUD	iLoc	HHN	???	_
ET1H	0.97	224.3	Sn	13:22:08.431	-0.9	T__		---			1166492	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/19	16:34:35.11	1.27	0.48	47.7443	20.2299	5.7	4.2	27	5.0	21.2	12	7	145	0.11	0.78	ke	BUD	19003652	BUD			271

Magnitude	Err	Nsta	Author	OrigID
ML	1.1	0.0	5 BUD	19003652

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU23A	0.11	172.8	Pg	16:34:37.590	-0.2					T__		659.4		---	ML	1.4	1166653	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.11	172.8	Lg	16:34:40.262	0.4					T__				---		1166652	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
ET1H	0.28	299.3	Pg	16:34:41.199	0.0					T__		37.3		---	ML	0.6	1166649	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ET1H	0.28	299.3	Lg	16:34:45.702	0.1					T__				---		1166658	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.6 magdef=1)																									
(Station ML: 0.6 magdef=0)																									
PSZ	0.29	307.7	Pg	16:34:41.391	-0.1					T__		101.2		---	ML	1.1	1166651	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.29	307.7	Lg	16:34:46.011	-0.3					T__				---		1166650	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
HU02A	0.43	27.6	Pg	16:34:43.711	-0.4					T__		42.9		---	ML	1.1	1166654	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.43	27.6	Lg	16:34:50.440	-0.5					T__				---		1166655	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
CP17A	0.51	21.6	Pg	16:34:45.670	0.2					T__		72.7		---	ML	1.6	1166657	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.51	21.6	Lg	16:34:54.123	1.0					T__				---		1166656	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=0)																									
CP16A	0.63	19.1	Lg	16:34:57.263	0.1					T__				---		1166659	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
JOS	0.78	15.3	Lg	16:35:02.333	0.1					T__				---		1166660	FDSN	Z6	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/07/20	07:58:12.91	0.99	0.42	46.1072	18.0711	8.8	3.7	134	0.0f		6	3	154	0.26	0.44	sx	BUD	19003662	BUD					303

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.1	3 BUD	19003662

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
A273A	0.26	223.0	Pg	07:58:18.423	-0.2					T__		614.6		---	ML	1.8	1167031	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A273A	0.26	223.0	Lg	07:58:23.280	0.6					T__				---		1167032	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									

MORH	0.41	74.6	Pg	07:58:21.591	-0.0	T__	34.0	___	ML	1.0	1167034	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.41	74.6	Lg	07:58:28.237	-0.1	T__		---			1167033	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.0 magdef=1)																			
(Station ML: 1.0 magdef=1)																			
A266A	0.44	17.7	Pg	07:58:22.066	-0.2	T__	230.0	___	ML	1.9	1167036	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A266A	0.44	17.7	Lg	07:58:29.643	0.3	T__		---			1167035	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1)																			
(Station ML: 1.9 magdef=1)																			

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/20	08:19:47.11	2.52	1.06	46.1207	18.2865	20.0	6.8	20	0.0f		6	5	241	0.27	1.17	sx	BUD	19003664	BUD			263

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MORH	0.27	69.1	Pg	08:19:53.280	0.3					T__		137.6		---	ML	1.2	1167056	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.27	69.1	Lg	08:19:56.165	-1.5					T__				---		1167060	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=0)																									
A266A	0.41	357.9	Lg	08:20:02.483	0.1					T__				---		1167057	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A265A	0.46	311.9	Lg	08:20:03.190	-0.5					T__				---		1167061	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU22A	0.62	70.2	Lg	08:20:11.102	0.7					T__				---		1167059	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	1.17	334.2	Sn	08:20:26.402	-0.5					T__				---		1167058	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/20	09:21:21.48	1.39	1.03	48.8029	21.1951	8.0	6.9	131	0.0f		12	9	122	0.51	1.24	sx	BUD	19003666	BUD			220

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.3	3 BUD	19003666

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.51	176.6	Lg	09:21:38.856	-1.5					T__				---		1167090	FDSN	HU	--	BUD	iLoc	HHN	???	_	
JOS	0.53	235.0	Pg	09:21:32.355	0.2					T__		33.2		---	ML	1.3	1167087	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.53	235.0	Lg	09:21:40.206	0.0					T__				---		1167091	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
KECS	0.57	236.1	Lg	09:21:40.997	-0.5					T__				---		1167092	FDSN	SK	--	BUD	iLoc	EHN	???	_	
CP16A	0.63	223.6	Pg	09:21:35.076	0.9					T__		84.2		---	ML	1.8	1167089	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.63	223.6	Lg	09:21:43.511	-0.2					T__				---		1167093	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
KOLS	0.72	79.2	Lg	09:21:46.865	-0.2					T__				---		1167094	FDSN	SK	--	BUD	iLoc	HHN	???	_	
CP17A	0.74	218.2	Lg	09:21:46.999	-0.5					T__				---		1167086	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.81	213.5	Pg	09:21:39.093	0.8					T__		35.7		---	ML	1.5	1167085	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.81	213.5	Lg	09:21:48.989	-1.8					T__				---		1167095	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
NIE	0.85	316.6	Lg	09:21:48.578	-1.1					T__				---		1167096	FDSN	PL	--	BUD	iLoc	BHN	???	_	
PSZ	1.24	224.9	Sn	09:22:03.286	-0.8					T__				---		1167088	FDSN	GE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/20	09:34:08.57	1.11	1.37	47.9795	16.0584	7.4	5.6	126	0.0f	8	5	135	0.14	1.38	sx	BUD	19003668	BUD				191

Magnitude	Err	Nsta	Author	OrigID
ML	1.1	0.2	3 BUD	19003668

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.14	248.9	Pg	09:34:11.165	-0.5					T__		192.4		---	ML	1.0	1167120	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.14	248.9	Lg	09:34:13.539	-0.3					T__				---		1167121	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
RONA	0.32	150.1	Lg	09:34:18.944	-0.8					T__				---		1167122	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.81	206.6	Lg	09:34:37.340	2.8					T__				---		1167123	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.11	11.6	Pg	09:34:30.493	0.7					T__		24.7		---	ML	1.5	1167124	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.11	11.6	Lg	09:34:46.049	-0.1					T__				---		1167125	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
VRAC	1.38	14.7	Pn	09:34:34.984	0.4					T__		6.9		---	ML	1.1	1167127	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
VRAC	1.38	14.7	Sn	09:34:53.426	-0.0					T__				---		1167126	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/07/20	09:59:58.60	0.97	0.78	48.1906	16.9891	9.1	3.7	159	0.0f	7	4	155	0.08	0.80	sx	BUD	19003670	BUD					194

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ZST	0.08	85.8	Pg	10:00:00.987	0.2					T__				---		1167152	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
ZST	0.08	85.8	Lg	10:00:02.777	0.0					T__				---		1167151	FDSN	SK	--	BUD	iLoc	HHN	???	_	
MODS	0.27	46.3	Pg	10:00:04.528	0.0					T__				---		1167148	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.27	46.3	Lg	10:00:09.074	-0.3					T__				---		1167153	FDSN	SK	--	BUD	iLoc	HHN	???	_	
RONA	0.68	223.7	Lg	10:00:20.044	-1.1					T__				---		1167150	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.80	251.3	Pg	10:00:15.417	1.0					T__		29.4		---	ML	1.4	1167154	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.80	251.3	Lg	10:00:24.520	-0.4					T__				---		1167149	FDSN	OE	--	BUD	iLoc	HHE	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=0)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/07/20	19:08:47.87	1.06	0.58	47.4185	18.2276	7.0	6.6	86	9.0f	4	3	132	0.06	0.24	ke	BUD	19003686	BUD					248

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.06	158.1	Pg	19:08:50.373	0.2					T__		259.8		---	ML	0.9	1167385	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.06	158.1	Lg	19:08:51.761	-0.4					T__				---		1167384	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=0)																									
HU08A	0.21	273.7	Lg	19:08:56.052	-0.2					T__				---		1167386	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

HU09A 0.24 25.4 Lg 19:08:57.348 -0.2 T\_\_ --- 1167387 FDSN Z6 00 BUD iLoc HHN ??? \_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/07/21 00:22:18.44 1.02 0.30 47.6885 16.0410 7.4 4.8 152 7.0f 5 3 132 0.17 0.56 ke BUD 19003694 BUD 247

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
RONA 0.17 86.2 Pg 00:22:22.422 0.1 T\_\_ 1167544 FDSN OE -- BUD iLoc HHZ ??? \_
RONA 0.17 86.2 Lg 00:22:24.869 -0.2 T\_\_ 1167545 FDSN OE -- BUD iLoc HHN ??? \_
CONA 0.27 333.3 Lg 00:22:28.008 0.0 T\_\_ 1167548 FDSN OE -- BUD iLoc HHN ??? \_
ARSA 0.56 218.9 Pg 00:22:29.187 -0.2 T\_\_ 24.4 --- ML 1.2 1167547 FDSN OE -- BUD iLoc HHZ HHZ \_
ARSA 0.56 218.9 Lg 00:22:36.819 0.3 T\_\_ 1167546 FDSN OE -- BUD iLoc HHN ??? \_

(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=0

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/07/21 02:00:11.81 0.91 0.59 46.1386 16.5032 4.9 3.7 148 6.1 14.8 14 10 81 0.36 1.49 ke BUD 19003700 BUD 126

Magnitude Err Nsta Author OrigID
ML 1.5 0.4 5 BUD 19003700

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
KOGS 0.36 330.6 Pg 02:00:18.880 -0.1 T\_\_ 91.3 --- ML 1.2 1167661 FDSN SL -- BUD iLoc BHZ BHZ \_
KOGS 0.36 330.6 Lg 02:00:24.284 0.4 T\_\_ 1167660 FDSN SL -- BUD iLoc BHN ??? \_

(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1

BEHE 0.38 29.5 Pg 02:00:19.427 -0.3 T\_\_ 145.4 --- ML 1.5 1167662 FDSN HU -- BUD iLoc HHZ HHZ \_
BEHE 0.38 29.5 Lg 02:00:25.453 0.4 T\_\_ 1167663 FDSN HU -- BUD iLoc HHN ??? \_

(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1

PTJ 0.44 238.3 Lg 02:00:26.576 -0.8 T\_\_ 1167656 FDSN CR -- BUD iLoc BHN ??? \_
ZAG 0.48 229.3 Pg 02:00:21.162 -0.1 T\_\_ 228.2 --- ML 2.0 1167655 FDSN CR -- BUD iLoc BHZ BHZ \_
ZAG 0.48 229.3 Lg 02:00:28.575 0.7 T\_\_ 1167654 FDSN CR -- BUD iLoc BHN ??? \_

(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=0

A264A 0.55 87.5 Pg 02:00:22.458 -0.5 T\_\_ 103.0 --- ML 1.8 1167658 FDSN Z6 00 BUD iLoc HHZ HHZ \_
A264A 0.55 87.5 Lg 02:00:31.223 1.0 T\_\_ 1167659 FDSN Z6 00 BUD iLoc HHN ??? \_

(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1

CRES 0.79 247.2 Pg 02:00:27.032 -0.1 T\_\_ 18.6 --- ML 1.2 1167657 FDSN SL -- BUD iLoc BHZ BHZ \_

(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=0

A273A 0.94 103.2 Sn 02:00:44.077 0.1 T\_\_ 1167664 FDSN Z6 00 BUD iLoc HHN ??? \_
ARSA 1.30 329.1 Lg 02:00:53.016 -0.2 T\_\_ 1167665 FDSN OE -- BUD iLoc HHN ??? \_
BLY 1.47 160.7 Lg 02:00:58.969 0.7 T\_\_ 1167666 FDSN MN -- BUD iLoc HHN ??? \_
MORH 1.49 86.3 Lg 02:00:59.462 -0.2 T\_\_ 1167667 FDSN HU -- BUD iLoc HHN ??? \_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp

2023/07/21 06:47:09.66 1.21 0.74 48.0617 20.6609 6.6 4.2 168 0.0f 14 10 168 0.11 1.38 sx BUD 19003704 BUD 196  
 2023/07/21 06:47:09.32 0.90 0.70 48.0471 20.6805f 0.0f 14 10 171 0.13 1.40 kx BUD\_GT 19003705 BUD\_GT 200  
 (locality: Miskolc-Mexikóvölgy Hungary)  
 (GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID  
 ML 1.5 0.2 4 BUD\_GT 19003705

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU02A	0.13	305.8	Pg	06:47:12.671	0.1					T__		837.6		___	ML	1.6	1167726	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.13	305.8	Lg	06:47:14.041	-1.3					T__				---		1167732	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
CP17A	0.21	326.7	Pg	06:47:14.315	0.5					T__		626.9		___	ML	1.7	1167728	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.21	326.7	Lg	06:47:16.688	-0.6					T__				---		1167727	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
CP16A	0.31	342.4	Pg	06:47:16.214	0.5					T__		109.2		___	ML	1.2	1167729	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.31	342.4	Lg	06:47:19.957	-0.7					T__				---		1167733	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
ABAH	0.45	56.1	Pg	06:47:19.537	1.0					T__		81.6		___	ML	1.5	1167731	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.45	56.1	Lg	06:47:25.234	-1.2					T__				---		1167730	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
KECS	0.46	343.5	Lg	06:47:25.108	-0.6					T__				---		1167734	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	0.46	348.2	Lg	06:47:25.157	-0.6					T__				---		1167735	FDSN	Z6	--	BUD	iLoc	HHE	???	_	
PSZ	0.54	256.6	Lg	06:47:29.845	0.1					T__				---		1167736	FDSN	GE	--	BUD	iLoc	HHN	???	_	
HU03A	0.74	259.2	Lg	06:47:35.582	-0.3					T__				---		1167737	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
TRPA	1.25	85.5	Sn	06:47:51.398	-0.3					T__				---		1167738	FDSN	HU	--	BUD	iLoc	HHN	???	_	
NIE	1.40	349.7	Sn	06:47:55.410	-0.2					T__				---		1167739	FDSN	PL	--	BUD	iLoc	BHN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/07/21 08:46:39.94 1.80 0.32 47.9237 16.1041 16.2 4.4 30 0.0f 6 4 140 0.16 1.16 sx BUD 19003706 BUD 238

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.16	271.7	Pg	08:46:43.530	0.1					T__		97.3		___	ML	0.7	1167942	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.16	271.7	Lg	08:46:45.575	-0.3					T__				---		1167943	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.7 magdef=1)																									
(Station ML: 0.7 magdef=0)																									
RONA	0.26	149.9	Pg	08:46:45.319	-0.0					T__				---		1167945	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.26	149.9	Lg	08:46:49.227	0.1					T__				---		1167944	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.78	210.5	Lg	08:47:04.893	0.0					T__				---		1167946	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.16	9.5	Sn	08:47:19.793	0.4					T__				---		1167947	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/07/21 08:53:18.15 1.15 1.10 48.5749 20.8067 6.2 4.0 8 0.0f 13 9 131 0.19 1.24 sx BUD 19003708 BUD 223

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.2	4 BUD	19003708

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.19	246.1	Pg	08:53:22.385	0.2					T__		369.0		___	ML	1.4	1167973	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.19	246.1	Lg	08:53:25.557	0.1					T__				---		1167979	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
KECS	0.23	246.9	Pg	08:53:22.888	-0.1					T__		714.5		___	ML	1.8	1167974	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.23	246.9	Lg	08:53:26.725	-0.0					T__				---		1167980	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
CP16A	0.29	217.4	Pg	08:53:25.416	1.2					T__		219.5		___	ML	1.5	1167975	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.29	217.4	Lg	08:53:28.776	0.0					T__				---		1167976	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
ABAH	0.40	133.9	Pg	08:53:26.475	0.1					T__		54.7		___	ML	1.2	1167978	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.40	133.9	Lg	08:53:33.226	-0.2					T__				---		1167981	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
CP17A	0.41	209.1	Lg	08:53:32.903	0.1					T__				---		1167977	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.49	202.6	Lg	08:53:35.051	-1.4					T__				---		1167982	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.90	223.2	Lg	08:53:47.833	-2.6					T__				---		1167984	FDSN	GE	--	BUD	iLoc	HHN	???	_	
NIE	0.91	338.6	Lg	08:53:48.563	0.4					T__				---		1167983	FDSN	PL	--	BUD	iLoc	BHN	???	_	
TRPA	1.24	110.4	Sn	08:53:59.300	-1.2					T__				---		1167985	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/21	09:26:08.27	1.09	0.55	47.8762	16.0808	9.5	4.0	37	0.0f		7	4	130	0.16	1.20	sx	BUD	19003710	BUD			210

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.16	289.6	Pg	09:26:11.576	-0.0					T__		103.1		___	ML	0.7	1168009	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.16	289.6	Lg	09:26:13.938	-0.1					T__				---		1168012	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.7 magdef=1)																									
(Station ML: 0.7 magdef=1)																									
RONA	0.23	140.5	Pg	09:26:13.402	0.3					T__				---		1168010	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.23	140.5	Lg	09:26:15.617	-0.9					T__				---		1168013	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.73	211.3	Lg	09:26:31.933	0.3					T__				---		1168015	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.20	9.9	Pg	09:26:31.832	0.4					T__		24.9		___	ML	1.6	1168014	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.20	9.9	Sn	09:26:49.080	0.2					T__				---		1168011	FDSN	CZ	--	BUD	iLoc	HHE	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/21	09:35:33.62	0.98	0.52	47.8743	16.0537	6.9	3.9	29	0.0f		7	5	82	0.14	1.21	sx	BUD	19003712	BUD			160

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
-----	------	------	-------	------	------	------	-------	------	------	-----	-----	-----	-----	------	-----------	-------	-----	--------	----	------	-----	-----	-----	---

CONA	0.14	292.8	Pg	09:35:36.555	-0.1	T__	252.8	___	ML	1.1	1168034	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.14	292.8	Lg	09:35:38.618	-0.2	T__		---			1168035	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.1 magdef=1)																			
(Station ML: 1.1 magdef=0)																			
RONA	0.24	136.8	Pg	09:35:38.435	-0.2	T__		---			1168037	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.24	136.8	Lg	09:35:42.124	-0.1	T__		---			1168036	FDSN	OE	--	BUD	iLoc	HHN	???	_
ARSA	0.72	210.1	Lg	09:35:57.373	0.7	T__		---			1168040	FDSN	OE	--	BUD	iLoc	HHN	???	_
MDS	0.96	58.2	Lg	09:36:08.435	0.5	T__		---			1168038	FDSN	SK	--	BUD	iLoc	HHN	???	_
KRUC	1.21	10.7	Sn	09:36:13.986	-0.4	T__		---			1168039	FDSN	CZ	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/21	10:00:22.47	1.51	0.82	48.6089	20.9058	8.0	6.7	60	0.0f	10	7	170	0.27	0.97	sx	BUD	19003714	BUD			258	

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.2	3 BUD	19003714

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
JOS	0.27	245.2	Pg	10:00:28.356	0.4				T__		116.6		---	ML	1.1	1168062	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.27	245.2	Lg	10:00:31.442	-0.8				T__				---			1168063	FDSN	Z6	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.1 magdef=1)																								
(Station ML: 1.1 magdef=1)																								
KECS	0.31	245.9	Pg	10:00:29.087	0.3				T__		206.2		---	ML	1.5	1168064	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.31	245.9	Lg	10:00:33.140	-0.4				T__				---			1168065	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Reading ML: 1.5 magdef=1)																								
(Station ML: 1.5 magdef=1)																								
ABAH	0.38	144.5	Lg	10:00:36.701	-0.4				T__				---			1168068	FDSN	HU	--	BUD	iLoc	HHN	???	_
CP17A	0.47	214.1	Lg	10:00:40.206	0.9				T__				---			1168066	FDSN	Z6	00	BUD	iLoc	HHE	???	_
HU02A	0.55	207.7	Lg	10:00:41.229	-1.5				T__				---			1168067	FDSN	Z6	00	BUD	iLoc	HHN	???	_
NIE	0.90	334.0	Lg	10:00:51.965	-0.4				T__				---			1168069	FDSN	PL	--	BUD	iLoc	BHN	???	_
PSZ	0.97	224.7	Pn	10:00:42.178	-0.2				T__		37.3		---	ML	1.6	1168071	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.97	224.7	Lg	10:00:57.297	0.1				T__				---			1168070	FDSN	GE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1)																								
(Station ML: 1.6 magdef=1)																								

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/07/21	14:41:25.10	1.07	0.94	45.8559	16.0103	8.5	4.4	113	10.0f	10	6	168	0.03	1.21	ke	BUD	19003718	BUD			225			

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.5	4 BUD	19003718

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
ZAG	0.03	209.4	Pg	14:41:27.041	-0.1				T__		6882.0		---	ML	2.2	1168163	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.03	209.4	Lg	14:41:28.210	-0.4				T__				---			1168162	FDSN	CR	--	BUD	iLoc	BHN	???	_
(Reading ML: 2.2 magdef=1)																								
(Station ML: 2.2 magdef=1)																								
PTJ	0.06	330.0	Pg	14:41:27.169	-0.5				T__		987.9		---	ML	1.5	1168160	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.06	330.0	Lg	14:41:28.174	-1.6				T__				---			1168161	FDSN	CR	--	BUD	iLoc	BHN	???	_
(Reading ML: 1.5 magdef=1)																								
(Station ML: 1.5 magdef=1)																								
CRES	0.39	265.8	Pg	14:41:33.469	0.6				T__		38.4		---	ML	1.0	1168164	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_

```

CRES 0.39 265.8 Lg 14:41:38.819 0.1 T__ --- 1168167 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=1
KOGS 0.62 15.6 Pg 14:41:38.015 0.8 T__ 69.2 --- ML 1.7 1168165 FDSN SL -- BUD iLoc BHZ BHZ _
KOGS 0.62 15.6 Lg 14:41:46.415 1.0 T__ --- 1168166 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
BEHE 0.81 40.6 Sn 14:41:55.294 1.1 T__ --- 1168168 FDSN HU -- BUD iLoc HHN ??? _
OBKA 1.21 303.3 Sn 14:42:04.786 0.2 T__ --- 1168169 FDSN OE -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/07/24 05:24:58.41 1.54 1.35 48.4490 17.5189 14.1 3.8 126 0.0f 6 4 214 0.18 0.96 sx BUD 19003736 BUD 277

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
MODS 0.18 245.0 Pg 05:25:03.140 0.6 T__ --- 1171265 FDSN SK -- BUD iLoc HHZ ??? _
MODS 0.18 245.0 Lg 05:25:05.222 -0.9 T__ --- 1171268 FDSN SK -- BUD iLoc HHN ??? _
ZST 0.38 227.8 Lg 05:25:11.649 -0.9 T__ --- 1171266 FDSN SK -- BUD iLoc HHN ??? _
JAVC 0.42 13.7 Pg 05:25:08.143 0.7 T__ 42.4 --- ML 1.1 1171267 FDSN CZ -- BUD iLoc HHZ HHZ _
JAVC 0.42 13.7 Lg 05:25:12.635 -1.8 T__ --- 1171269 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=0
KRUC 0.96 309.9 Lg 05:25:31.053 -0.0 T__ --- 1171270 FDSN CZ -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/07/24 05:28:53.90 1.33 1.19 48.4544 17.5047 12.3 3.5 123 0.0f 7 4 211 0.17 0.95 sx BUD 19003738 BUD 276

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
MODS 0.17 242.0 Pg 05:28:58.483 0.5 T__ --- 1171287 FDSN SK -- BUD iLoc HHZ ??? _
MODS 0.17 242.0 Lg 05:29:00.615 -0.7 T__ --- 1171291 FDSN SK -- BUD iLoc HHN ??? _
ZST 0.37 226.2 Pg 05:29:02.218 0.4 T__ --- 1171289 FDSN SK -- BUD iLoc HHZ ??? _
ZST 0.37 226.2 Lg 05:29:07.093 -0.8 T__ --- 1171292 FDSN SK -- BUD iLoc HHN ??? _
JAVC 0.42 15.1 Pg 05:29:03.605 0.8 T__ 46.0 --- ML 1.1 1171288 FDSN CZ -- BUD iLoc HHZ HHZ _
JAVC 0.42 15.1 Lg 05:29:07.964 -1.8 T__ --- 1171293 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=0
KRUC 0.95 310.0 Lg 05:29:26.103 -0.1 T__ --- 1171290 FDSN CZ -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/07/24 09:36:14.35 1.56 0.72 48.6531 21.4651 12.4 7.3 157 0.0f 8 6 166 0.39 0.82 sx BUD 19003742 BUD 306

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
ABAH 0.39 202.9 Pg 09:36:22.880 0.5 T__ 91.4 --- ML 1.3 1171364 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.39 202.9 Lg 09:36:27.773 -1.3 T__ --- 1171366 FDSN HU -- BUD iLoc HHN ??? _

```



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(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
KOLS 0.60 62.0 Lg 09:36:35.311 -0.6 T__ --- 1171367 FDSN SK -- BUD iLoc HHN ??? _
JOS 0.63 256.0 Lg 09:36:36.609 0.0 T__ --- 1171363 FDSN Z6 -- BUD iLoc HHN ??? _
KECS 0.67 255.7 Lg 09:36:37.969 0.1 T__ --- 1171365 FDSN SK -- BUD iLoc EHN ??? _
CP16A 0.69 243.5 Lg 09:36:38.467 -0.0 T__ --- 1171368 FDSN Z6 00 BUD iLoc HHN ??? _
HU02A 0.82 230.1 Pg 09:36:30.918 -0.4 T__ 27.6 --- ML 1.4 1171362 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.82 230.1 Lg 09:36:43.919 -0.1 T__ --- 1171369 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/07/24 13:03:25.71 1.15 1.51 45.6338 22.3615 13.8 4.8 19 0.0f 7 4 139 0.38 1.38 sx BUD 19003744 BUD 242

```

```

Magnitude Err Nsta Author OrigID
ML 1.8 0.1 3 BUD 19003744

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
GZR 0.38 129.3 Pg 13:03:33.231 0.1 T__ 299.2 --- ML 1.8 1171419 FDSN RO -- BUD iLoc HHZ HHZ _
GZR 0.38 129.3 Lg 13:03:38.381 -0.3 T__ --- 1171420 FDSN RO -- BUD iLoc HHN ??? _

```

```

(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
BZS 0.52 268.4 Pg 13:03:36.116 -0.0 T__ 38.7 --- ML 1.3 1171418 FDSN RO -- BUD iLoc HHZ HHZ _
BZS 0.52 268.4 Lg 13:03:43.858 0.0 T__ --- 1171417 FDSN RO -- BUD iLoc HHN ??? _

```

```

(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
DRGR 1.18 11.7 Pn 13:03:49.117 0.2 T__ 52.3 --- ML 1.9 1171415 FDSN RO -- BUD iLoc HHZ HHZ _
DRGR 1.18 11.7 Lg 13:04:05.733 0.1 T__ --- 1171414 FDSN RO -- BUD iLoc HHN ??? _

```

```

(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
CJR 1.38 38.1 Sn 13:04:08.618 -3.0 T__ --- 1171416 FDSN RO -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/07/25 06:08:38.50 1.47 0.68 47.3638 16.3569 11.1 5.2 107 0.0f 7 4 191 0.34 0.92 sx BUD 19003756 BUD 265

```

```

Magnitude Err Nsta Author OrigID

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
RONA 0.34 353.1 Pg 06:08:45.393 -0.2 T__ 1174876 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.34 353.1 Lg 06:08:50.230 -0.2 T__ 1174878 FDSN OE -- BUD iLoc HHN ??? _
ARSA 0.58 259.0 Pg 06:08:49.652 -0.1 T__ 77.4 --- ML 1.7 1174877 FDSN OE -- BUD iLoc HHZ HHZ _
ARSA 0.58 259.0 Lg 06:08:56.788 -0.2 T__ --- 1174879 FDSN OE -- BUD iLoc HHN ??? _

```

```

(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
CONA 0.66 329.5 Pg 06:08:52.803 1.2 T__ 42.4 --- ML 1.5 1174875 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.66 329.5 Lg 06:08:59.769 -0.5 T__ --- 1174880 FDSN OE -- BUD iLoc HHN ??? _

```

```

(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
KOGS 0.92 184.6 Lg 06:09:08.456 0.0 T__ --- 1174881 FDSN SL -- BUD iLoc BHN ??? _

```

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/25	06:17:02.00	0.90	0.70	47.3496	16.4160	4.5	3.6	48	0.0f	14	8	78	0.21	1.18	sx	BUD	19003758	BUD				152

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.1	6 BUD	19003758

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
A260A	0.21	108.5	Pg	06:17:06.529	-0.1					T__		770.0		___	ML	1.8	1174912	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A260A	0.21	108.5	Lg	06:17:10.149	0.1					T__				---		1174913	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
SOP	0.35	16.1	Pg	06:17:08.632	-0.6					T__		50.7		___	ML	1.0	1174915	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.35	16.1	Lg	06:17:14.317	-0.0					T__				---		1174921	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=0)																									
RONA	0.36	347.0	Pg	06:17:09.452	-0.0					T__				---		1174914	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.36	347.0	Lg	06:17:14.242	-0.4					T__				---		1174920	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.62	261.1	Pg	06:17:14.040	0.1					T__		46.2		___	ML	1.5	1174916	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
ARSA	0.62	261.1	Lg	06:17:21.428	-0.3					T__				---		1174922	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
CONA	0.69	327.3	Pg	06:17:17.447	1.7					T__		40.7		___	ML	1.5	1174917	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.69	327.3	Lg	06:17:24.281	-0.6					T__				---		1174923	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
MPLH	0.79	102.8	Pg	06:17:19.043	1.1					T__		42.6		___	ML	1.6	1174924	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
KOGS	0.91	187.2	Pg	06:17:19.576	-0.3					T__		89.1		___	ML	2.0	1174918	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.91	187.2	Lg	06:17:31.329	-0.3					T__				---		1174919	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=0)																									
MODS	1.18	29.2	Sn	06:17:42.678	0.3					T__				---		1174925	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/25	07:02:22.04	3.55	0.53	46.1122	18.0880	27.2	5.4	110	0.0f	5	3	179	0.03	1.12	sx	BUD	19003760	BUD				273

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOVH	0.03	160.9	Pg	07:02:23.330	0.2					T__		1229.5		___	ML	1.5	1174951	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.03	160.9	Lg	07:02:24.155	-0.5					T__				---		1174952	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
MORH	0.40	74.9	Pg	07:02:30.473	-0.0					T__		30.0		___	ML	0.9	1174953	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.40	74.9	Lg	07:02:37.271	0.2					T__				---		1174954	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
MPLH	1.12	340.5	Sn	07:03:00.117	-0.5					T__				---		1174955	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/25	08:11:43.46	1.05	0.76	48.5709	20.7880	5.5	3.8	1	0.0f	18	10	92	0.18	1.25	sx	BUD	19003762	BUD				182

Magnitude	Err	Nsta	Author	OrigID
ML	1.2	0.1	8 BUD	19003762

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
JOS	0.18	245.6	Pg	08:11:47.288	-0.0					T__		243.9		___	ML	1.2	1175309	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.18	245.6	Lg	08:11:50.716	0.4					T__				---		1175310	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1 Station ML: 1.2 magdef=1)																									
KECS	0.22	246.5	Pg	08:11:47.714	-0.3					T__		645.9		___	ML	1.7	1175312	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.22	246.5	Lg	08:11:51.632	0.0					T__				---		1175311	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=0)																									
CP16A	0.28	215.9	Pg	08:11:50.205	0.9					T__		141.5		___	ML	1.2	1175313	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.28	215.9	Lg	08:11:53.985	0.3					T__				---		1175317	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1 Station ML: 1.2 magdef=1)																									
CP17A	0.40	207.8	Pg	08:11:51.887	0.2					T__		86.5		___	ML	1.3	1175314	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.40	207.8	Lg	08:11:57.881	0.1					T__				---		1175318	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1 Station ML: 1.3 magdef=1)																									
ABAH	0.41	132.3	Pg	08:11:52.122	0.3					T__		33.9		___	ML	1.0	1175316	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.41	132.3	Lg	08:11:58.158	-0.8					T__				---		1175319	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1 Station ML: 1.0 magdef=0)																									
HU02A	0.48	201.4	Pg	08:11:53.399	-0.3					T__		31.9		___	ML	1.1	1175315	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.48	201.4	Lg	08:12:00.777	-0.7					T__				---		1175320	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1 Station ML: 1.1 magdef=1)																									
PSZ	0.88	222.8	Pg	08:12:02.204	0.1					T__		34.4		___	ML	1.5	1175322	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.88	222.8	Lg	08:12:13.840	-1.6					T__				---		1175321	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=1)																									
NIE	0.91	339.4	Pn	08:12:03.314	0.7					T__		13.2		___	ML	1.1	1175323	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.91	339.4	Lg	08:12:14.088	0.6					T__				---		1175324	FDSN	PL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.1 magdef=1 Station ML: 1.1 magdef=1)																									
KOLS	1.05	69.2	Lg	08:12:18.648	-1.0					T__				---		1175325	FDSN	SK	--	BUD	iLoc	HHN	???	_	
TRPA	1.25	110.0	Sn	08:12:24.670	-1.4					T__				---		1175326	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/25	08:18:10.56	1.62	1.38	47.3013	18.1662	25.9	6.3	161	0.0f	4	3	207	0.09	0.58	sx	BUD	19003764	BUD				331

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
CSKK	0.09	46.0	Pg	08:18:13.477	0.5					T__		307.3		___	ML	1.0	1175354	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.09	46.0	Lg	08:18:14.308	-1.1					T__				---		1175355	FDSN	HU	--	BUD	iLoc	HHN	???	_	

```

(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=0
MPLH 0.45 253.2 Lg 08:18:26.454 -0.6 T__ --- 1175356 FDSN HU -- BUD iLoc HHN ??? _
EGYH 0.58 281.9 Lg 08:18:31.397 -0.1 T__ --- 1175357 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/07/25 09:17:09.92 3.81 1.11 48.5170 21.0077 22.0 9.7 71 0.0f 7 4 313 0.31 0.51 sx BUD 19003766 BUD 321

```

```

Magnitude Err Nsta Author OrigID
ML 1.4 0.2 3 BUD 19003766

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
JOS 0.31 266.3 Pg 09:17:16.607 0.3 T__ 65.7 --- ML 1.0 1175377 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.31 266.3 Lg 09:17:20.674 -0.6 T__ --- 1175378 FDSN Z6 -- BUD iLoc HHN ??? _

```

```

(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=1
KECS 0.35 264.6 Pg 09:17:17.203 0.2 T__ 160.2 --- ML 1.5 1175376 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.35 264.6 Lg 09:17:21.696 -0.8 T__ --- 1175381 FDSN SK -- BUD iLoc EHN ??? _

```

```

(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
CP17A 0.45 228.2 Pg 09:17:18.581 -0.5 T__ 65.1 --- ML 1.4 1175380 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP17A 0.45 228.2 Lg 09:17:27.757 1.8 T__ --- 1175382 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
HU02A 0.51 219.4 Lg 09:17:28.466 -0.4 T__ --- 1175379 FDSN Z6 00 BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/07/25 10:00:37.22 2.58 1.74 47.7464 20.1812 18.2 4.3 162 0.0f 12 8 246 0.26 0.79 sx BUD 19003768 BUD 260

```

```

Magnitude Err Nsta Author OrigID
ML 1.6 0.2 4 BUD 19003768

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
PSZ 0.26 311.8 Pg 10:00:44.467 1.2 T__ 463.0 --- ML 1.7 1175411 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.26 311.8 Lg 10:00:46.213 -1.8 T__ --- 1175416 FDSN GE -- BUD iLoc HHN ??? _

```

```

(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
HU03A 0.42 292.1 Lg 10:00:52.723 -0.3 T__ --- 1175417 FDSN Z6 00 BUD iLoc HHN ??? _
HU02A 0.44 31.5 Pg 10:00:47.081 0.4 T__ 109.8 --- ML 1.6 1175412 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.44 31.5 Lg 10:00:50.189 -3.9 T__ --- 1175418 FDSN Z6 00 BUD iLoc HHN ??? _

```

```

(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
CP17A 0.52 25.0 Pg 10:00:49.354 1.4 T__ 115.1 --- ML 1.8 1175413 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP17A 0.52 25.0 Lg 10:00:56.550 0.4 T__ --- 1175419 FDSN Z6 00 BUD iLoc HHN ??? _

```

```

(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
CP16A 0.64 21.9 Lg 10:01:00.214 0.1 T__ --- 1175420 FDSN Z6 00 BUD iLoc HHN ??? _
KECS 0.77 15.4 Lg 10:01:04.133 -0.1 T__ --- 1175421 FDSN SK -- BUD iLoc EHN ??? _
JOS 0.79 17.6 Pg 10:00:53.318 0.4 T__ 26.5 --- ML 1.4 1175414 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.79 17.6 Lg 10:01:04.304 -0.6 T__ --- 1175422 FDSN Z6 -- BUD iLoc HHN ??? _

```

(Reading ML: 1.4 magdef=1  
 (Station ML: 1.4 magdef=1  
 HU10A 0.79 277.6 Lg 10:01:04.083 -2.1 T\_\_ --- 1175415 FDSN Z6 00 BUD iLoc HHN ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/25	14:24:41.98	0.97	0.89	47.7593	18.3111	10.7	2.6	86	0.0f	6	4	156	0.05	0.79	sx	BUD	19003770	BUD				296

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
SR0	0.05	1.6	Pg	14:24:43.946	0.3					T__	11692.3			---	ML	2.5	1176054	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_	
SR0	0.05	1.6	Lg	14:24:44.829	-0.4					T__				---		1176057	FDSN	SK	--	BUD	iLoc	EHN	???	_		
(Reading ML: 2.5 magdef=1 (Station ML: 2.5 magdef=1																										
HU09A	0.13	158.2	Pg	14:24:45.670	0.6					T__	413.6			---	ML	1.3	1176053	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU09A	0.13	158.2	Lg	14:24:46.958	-1.0					T__				---		1176056	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 1.3 magdef=1 (Station ML: 1.3 magdef=1																										
CSKK	0.40	185.0	Lg	14:24:56.502	-0.8					T__				---		1176058	FDSN	HU	--	BUD	iLoc	HHN	???	_		
MPLH	0.79	221.9	Lg	14:25:09.389	-0.2					T__				---		1176055	FDSN	HU	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/26	06:46:19.64	1.18	0.73	47.9591	16.0710	7.5	4.6	24	0.0f	6	4	138	0.14	1.12	sx	BUD	19003776	BUD				251

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
CONA	0.14	257.7	Pg	06:46:22.643	-0.1					T__	157.4			---	ML	0.9	1176226	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_	
CONA	0.14	257.7	Lg	06:46:24.687	-0.3					T__				---		1176227	FDSN	OE	--	BUD	iLoc	HHN	???	_		
(Reading ML: 0.9 magdef=1 (Station ML: 0.9 magdef=0																										
RONA	0.30	149.6	Pg	06:46:25.837	-0.0					T__				---		1176228	FDSN	OE	--	BUD	iLoc	HHZ	???	_		
RONA	0.30	149.6	Lg	06:46:29.744	-0.4					T__				---		1176229	FDSN	OE	--	BUD	iLoc	HHN	???	_		
ARSA	0.80	207.8	Lg	06:46:46.245	1.1					T__				---		1176230	FDSN	OE	--	BUD	iLoc	HHN	???	_		
KRUC	1.12	10.9	Lg	06:46:58.275	0.5					T__				---		1176231	FDSN	CZ	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/26	07:31:25.98	1.31	2.48	48.4541	16.8754	13.0	4.8	161	0.0f	5	3	179	0.28	0.86	sx	BUD	19003778	BUD				305

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
MODS	0.28	106.6	Pg	07:31:32.916	0.8					T__				---		1176867	FDSN	SK	--	BUD	iLoc	HHZ	???	_		
MODS	0.28	106.6	Lg	07:31:34.982	-2.1					T__				---		1176868	FDSN	SK	--	BUD	iLoc	HHN	???	_		
JAVC	0.67	52.2	Lg	07:31:49.971	-0.2					T__				---		1176869	FDSN	CZ	--	BUD	iLoc	HHN	???	_		
CONA	0.86	232.6	Pg	07:31:41.284	-1.7					T__	30.6			---	ML	1.5	1176870	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_	
CONA	0.86	232.6	Lg	07:31:56.273	2.1					T__				---		1176871	FDSN	OE	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.5 magdef=1 (Station ML: 1.5 magdef=0																										

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/26	08:00:02.56	0.92	0.92	46.8938	17.3236	4.8	4.2	14	0.0f		16	13	105	0.13	1.28	sx	BUD	19003780	BUD			140
2023/07/26	08:00:02.12	0.90	1.12	46.8548	17.2699f				0.0f		16	13	117	0.13	1.26	kx	BUD_GT	19003781	BUD_GT			147

(locality: Várköly Hungary)  
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
ML	2.2	0.5	3 BUD	19003781
ML	2.3	0.7	3 BUD_GT	

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
A261A	0.13	319.5	Pg	08:00:06.416	1.1					T__		17050.6		---	ML	2.9	1176899	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A261A	0.13	319.5	Lg	08:00:07.970	-0.0					T__				---		1176900	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.9 magdef=1)																									
(Station ML: 2.9 magdef=1)																									
BADH	0.15	109.5	Lg	08:00:08.992	0.4					T__				---		1176901	FDSN	HU	--	BUD	iLoc	HHN	???	_	
A263A	0.22	171.8	Lg	08:00:10.781	0.0					T__				---		1176902	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.37	30.2	Pg	08:00:08.716	-1.3					T__		1022.7		---	ML	2.3	1176904	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.37	30.2	Lg	08:00:15.359	-0.8					T__				---		1176903	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=1)																									
TIH	0.43	83.7	Lg	08:00:18.276	0.2					T__				---		1176905	FDSN	HU	--	BUD	iLoc	HHN	???	_	
A265A	0.56	139.7	Lg	08:00:23.588	1.7					T__				---		1176906	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A266A	0.76	115.3	Lg	08:00:29.890	1.1					T__				---		1176907	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A267A	0.84	83.3	Lg	08:00:31.083	-1.3					T__				---		1176908	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CSKK	0.85	52.7	Lg	08:00:31.594	-1.6					T__				---		1176909	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOVH	0.96	142.9	Pn	08:00:22.821	1.2					T__		63.9		---	ML	1.8	1176911	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.96	142.9	Lg	08:00:34.830	-0.2					T__				---		1176910	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
HU09A	1.09	43.6	Sn	08:00:38.407	-1.8					T__				---		1176912	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MORH	1.14	123.5	Sn	08:00:40.536	-0.5					T__				---		1176913	FDSN	HU	--	BUD	iLoc	HHN	???	_	
ARSA	1.26	289.0	Sn	08:00:44.965	1.4					T__				---		1176914	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/26	08:35:46.59	1.37	1.32	48.4781	17.5738	11.2	3.3	120	0.0f		13	8	218	0.22	1.30	sx	BUD	19003782	BUD			229

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.0	5 BUD	19003782

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.22	242.2	Pg	08:35:51.462	-0.2					T__				---		1176945	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.22	242.2	Lg	08:35:54.251	-1.5					T__				---		1176950	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.39	9.5	Pg	08:35:54.953	0.1					T__		144.6		---	ML	1.5	1176946	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.39	9.5	Lg	08:35:59.318	-2.0					T__				---		1176951	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
ZST	0.42	228.3	Lg	08:36:01.384	-0.9					T__				---		1176956	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KRUC	0.97	307.3	Pg	08:36:06.110	0.9					T__		31.2		---	ML	1.5	1176948	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_

KRUC	0.97	307.3	Lg	08:36:18.438	-1.2	T__								1176952	FDSN	CZ	--	BUD	iLoc	HNN	???	_
	(Reading ML: 1.5 magdef=1)																					
	(Station ML: 1.5 magdef=1)																					
VRAC	1.05	322.5	Pg	08:36:07.358	0.8	T__		10.9		---	ML	1.1	1176953	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ		_
	(Reading ML: 1.1 magdef=1)																					
	(Station ML: 1.1 magdef=0)																					
RONA	1.16	228.2	Pg	08:36:10.667	1.2	T__								1176947	FDSN	OE	--	BUD	iLoc	HHZ	???	_
CONA	1.27	245.0	Pn	08:36:11.433	0.1	T__		40.8		---	ML	1.8	1176949	FDSN	OE	--	BUD	iLoc	HHZ	HHZ		_
CONA	1.27	245.0	Lg	08:36:28.935	1.0	T__								1176954	FDSN	OE	--	BUD	iLoc	HNN	???	_
	(Reading ML: 1.8 magdef=1)																					
	(Station ML: 1.8 magdef=0)																					
MORC	1.30	359.1	Pn	08:36:13.560	2.0	T__		21.1		---	ML	1.5	1176957	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ		_
MORC	1.30	359.1	Lg	08:36:29.826	0.9	T__								1176955	FDSN	CZ	--	BUD	iLoc	HNN	???	_
	(Reading ML: 1.5 magdef=1)																					
	(Station ML: 1.5 magdef=1)																					

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/26	20:33:04.72	3.64	0.36	45.7768	17.1592	25.5	8.1	41	12.0f		8	6	300	0.39	1.12	ke	BUD	19003788	BUD			321

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
A264A	0.39	13.3	Pg	20:33:12.966	0.1					T__		129.6		---	ML	1.5	1178259	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A264A	0.39	13.3	Lg	20:33:18.278	-0.2					T__						1178260	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
	(Reading ML: 1.5 magdef=1)																								
	(Station ML: 1.5 magdef=1)																								
A273A	0.48	72.9	Pg	20:33:14.371	-0.1					T__		165.2		---	ML	1.9	1178257	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A273A	0.48	72.9	Lg	20:33:21.419	0.5					T__						1178258	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
	(Reading ML: 1.9 magdef=1)																								
	(Station ML: 1.9 magdef=1)																								
KOVH	0.73	64.3	Lg	20:33:28.681	-0.1					T__						1178261	FDSN	HU	--	BUD	iLoc	HHE	???	_	
A265A	0.78	34.1	Sn	20:33:32.107	-0.1					T__						1178256	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
A266A	1.07	45.3	Lg	20:33:40.369	-0.1					T__						1178255	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
MORH	1.12	66.5	Sn	20:33:39.943	-0.5					T__						1178254	FDSN	HU	--	BUD	iLoc	HNN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/07/27	06:29:11.48	1.44	1.34	48.4977	17.5917	11.9	3.3	119	0.0f		10	8	219	0.24	1.29	sx	BUD	19003790	BUD					228

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.24	239.4	Pg	06:29:16.468	-0.5					T__						1179063	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.24	239.4	Lg	06:29:19.344	-2.0					T__						1179064	FDSN	SK	--	BUD	iLoc	HNN	???	_	
JAVC	0.37	8.2	Pg	06:29:19.227	-0.1					T__		112.9		---	ML	1.4	1179058	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.37	8.2	Lg	06:29:24.430	-1.1					T__						1179065	FDSN	CZ	--	BUD	iLoc	HNN	???	_	
	(Reading ML: 1.4 magdef=1)																								
	(Station ML: 1.4 magdef=0)																								
ZST	0.44	227.4	Lg	06:29:28.457	0.6					T__						1179066	FDSN	SK	--	BUD	iLoc	HNN	???	_	
KRUC	0.97	306.0	Lg	06:29:44.771	0.4					T__						1179059	FDSN	CZ	--	BUD	iLoc	HNN	???	_	
VRAC	1.04	321.3	Lg	06:29:47.255	0.7					T__						1179060	FDSN	CZ	--	BUD	iLoc	HNN	???	_	

RONA	1.18	227.9	Lg	06:29:52.252	2.1	T__	---	1179067	FDSN	OE	--	BUD	iLoc	HHN	???	_
MORC	1.28	358.6	Lg	06:29:54.193	1.0	T__	---	1179062	FDSN	CZ	--	BUD	iLoc	HHN	???	_
CONA	1.29	244.4	Lg	06:29:54.266	0.8	T__	---	1179061	FDSN	OE	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/27	07:05:20.79	1.21	1.26	47.3448	18.4446	7.1	5.2	100	0.0f	5	4	135	0.13	1.14	sx	BUD	19003792	BUD			240	

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.13	278.4	Pg	07:05:24.604	0.7					T__		338.5		---	ML	1.2	1179082	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.13	278.4	Lg	07:05:25.782	-1.2					T__				---		1179083	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.2 magdef=1)																					
				(Station ML: 1.2 magdef=0)																					
HU09A	0.30	351.9	Lg	07:05:31.935	-0.8					T__				---		1179084	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU10A	0.63	37.6	Lg	07:05:44.052	-0.4					T__				---		1179085	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MORH	1.14	173.0	Lg	07:05:59.098	-0.8					T__				---		1179086	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/07/27	07:51:42.60	0.98	1.09	47.8484	16.0439	11.3	3.8	40	0.0f	9	6	117	0.15	1.51	sx	BUD	19003794	BUD			196			

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	1.1	3 BUD	19003794

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.15	303.2	Pg	07:51:45.903	0.1					T__		117.7		---	ML	0.8	1179107	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.15	303.2	Lg	07:51:47.328	-0.7					T__				---		1179108	FDSN	OE	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 0.8 magdef=1)																					
				(Station ML: 0.8 magdef=1)																					
RONA	0.23	131.1	Pg	07:51:47.839	0.4					T__				---		1179109	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.23	131.1	Lg	07:51:49.592	-1.2					T__				---		1179110	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.69	210.7	Pg	07:51:56.711	0.7					T__		50.6		---	ML	1.6	1179112	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 1.6 magdef=1)																					
				(Station ML: 1.6 magdef=1)																					
KRUC	1.24	10.8	Sn	07:52:23.006	-1.0					T__				---		1179111	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
TREC	1.49	345.9	Pn	07:52:10.783	0.5					T__		102.1		---	ML	2.3	1179114	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
TREC	1.49	345.9	Lg	07:52:31.997	0.7					T__				---		1179113	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.3 magdef=1)																					
				(Station ML: 2.3 magdef=1)																					
VRAC	1.51	13.8	Sn	07:52:32.309	1.7					T__				---		1179115	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/07/27	08:43:06.90	2.90	1.20	48.9265	19.6276	17.7	16.5	167	0.0f	7	5	217	0.72	1.29	sx	BUD	19003796	BUD			315			

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.3	4 BUD	19003796

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KECS	0.72	127.7	Pg	08:43:19.829	-1.4					T__		483.2		---	ML	2.6	1179174	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_



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KECS  0.72 127.7 Lg      08:43:31.661 -0.3      T__      ---      1179173  FDSN SK      -- BUD  iLoc  EHN ??? _
(Reading ML: 2.6 magdef=1
(Station ML: 2.6 magdef=1
JOS   0.74 125.2 Pg      08:43:23.061  1.5      T__      35.6     --- ML      1.5 1179178  FDSN Z6      -- BUD  iLoc  HHZ HHZ _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
HU02A 1.00 143.1 Pn      08:43:28.155  0.8      T__      21.4     --- ML      1.4 1179175  FDSN Z6      00 BUD  iLoc  HHZ HHZ _
HU02A 1.00 143.1 Lg      08:43:41.813  0.0      T__      ---      1179176  FDSN Z6      00 BUD  iLoc  HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
PSZ   1.02 169.9 Lg      08:43:43.785  0.3      T__      ---      1179177  FDSN GE      -- BUD  iLoc  HHN ??? _
JAVC  1.29 267.7 Pn      08:43:30.985 -0.9     T__      43.6     --- ML      1.9 1179179  FDSN CZ      -- BUD  iLoc  HHZ HHZ _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1

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Date      Time      Err  RMS Latitude Longitude Smaj Smin Az Depth  Err Ndef Nsta Gap mdist Mdist Qual  Author  OrigID  Rep  DPdep  Err Sgp
2023/07/27 09:01:32.53  1.03  2.93  47.3600  18.1144  11.9  3.9 161  0.0f  6  4 148  0.10  1.27  sx BUD  19003798  BUD  212

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Magnitude Err Nsta Author OrigID

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Sta  Dist EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
CSKK  0.10 88.2 Pg      09:01:35.523  0.4      T__      468.3  --- ML      1.2 1179202  FDSN HU      -- BUD  iLoc  HHZ HHZ _
CSKK  0.10 88.2 Lg      09:01:37.021 -0.7     T__      ---      1179203  FDSN HU      -- BUD  iLoc  HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
HU09A 0.33 33.0 Lg      09:01:45.480 -0.2      T__      ---      1179205  FDSN Z6      00 BUD  iLoc  HHN ??? _
MPLH  0.44 244.3 Pg      09:01:41.430 -0.3     T__      58.1   --- ML      1.3 1179204  FDSN HU      -- BUD  iLoc  HHZ HHZ _
MPLH  0.44 244.3 Lg      09:01:49.464  0.8      T__      ---      1179206  FDSN HU      -- BUD  iLoc  HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
KOVH  1.27 180.5 Sn      09:02:10.057 -4.9     T__      ---      1179207  FDSN HU      -- BUD  iLoc  HHN ??? _

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Date      Time      Err  RMS Latitude Longitude Smaj Smin Az Depth  Err Ndef Nsta Gap mdist Mdist Qual  Author  OrigID  Rep  DPdep  Err Sgp
2023/07/27 09:03:41.81  1.66  0.26  46.0805  22.9675  12.4  7.8  81  0.0f  6  5 152  0.20  1.05  sx BUD  19003800  BUD  253

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Magnitude Err Nsta Author OrigID

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Sta  Dist EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
DEV  0.20 192.8 Lg      09:03:48.697  0.2      T__      ---      1179225  FDSN RO      -- BUD  iLoc  HHN ??? _
GZR  0.70 191.1 Pg      09:03:55.270  0.0      T__      28.2   --- ML      1.3 1179226  FDSN RO      -- BUD  iLoc  HHZ HHZ _
GZR  0.70 191.1 Lg      09:04:04.948 -0.2     T__      ---      1179227  FDSN RO      -- BUD  iLoc  HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=0
DRGR  0.73 346.1 Lg      09:04:08.518  0.1      T__      ---      1179228  FDSN RO      -- BUD  iLoc  HHN ??? _
LOT  0.85 138.1 Lg      09:04:10.183 -0.3     T__      ---      1179229  FDSN RO      -- BUD  iLoc  HHN ??? _
BZS  1.05 244.3 Lg      09:04:16.823 -0.2     T__      ---      1179230  FDSN RO      -- BUD  iLoc  HHN ??? _

```

```

Date      Time      Err  RMS Latitude Longitude Smaj Smin Az Depth  Err Ndef Nsta Gap mdist Mdist Qual  Author  OrigID  Rep  DPdep  Err Sgp
2023/07/27 09:06:24.09  1.10  1.42  46.0222  22.9079  11.9  4.5  85  0.0f  8  5 143  0.14  0.99  sx BUD  19003802  BUD  247

```

Magnitude Err Nsta Author OrigID  
ML 1.4 0.1 3 BUD 19003802

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DEV	0.14	181.3	Pg	09:06:26.760	0.0					T__		531.6		---	ML	1.4	1179250	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.14	181.3	Lg	09:06:29.097	0.4					T__				---		1179253	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
GZR	0.64	188.4	Pg	09:06:36.143	-0.2					T__		30.5		---	ML	1.3	1179251	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	0.64	188.4	Lg	09:06:45.346	0.0					T__				---		1179254	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
DRGR	0.78	350.0	Pg	09:06:40.472	0.7					T__		38.3		---	ML	1.5	1179252	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	0.78	350.0	Lg	09:06:48.871	-3.1					T__				---		1179255	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
LOT	0.83	133.3	Lg	09:06:52.327	0.0					T__				---		1179256	FDSN	RO	--	BUD	iLoc	HHN	???	_	
BZS	0.99	246.3	Lg	09:06:57.369	0.1					T__				---		1179257	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/27	09:21:32.08	2.74	1.04	48.9817	19.2408	20.3	6.7	93	0.0f		12	7	259	0.82	1.21	sx	BUD	19003804	BUD			321

Magnitude Err Nsta Author OrigID  
ML 1.6 0.0 5 BUD 19003804

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
NIE	0.82	57.4	Pg	09:21:47.091	-0.5					T__		23.8		---	ML	1.3	1179296	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.82	57.4	Lg	09:22:00.603	1.3					T__				---		1179295	FDSN	PL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=0)																									
KECS	0.96	120.7	Lg	09:22:04.565	-0.8					T__				---		1179289	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	0.99	119.0	Pg	09:21:51.546	-0.0					T__		30.5		---	ML	1.5	1179287	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.99	119.0	Lg	09:22:04.528	-1.1					T__				---		1179288	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
CP16A	1.07	126.1	Pg	09:21:54.541	1.2					T__		53.8		---	ML	1.8	1179291	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	1.07	126.1	Lg	09:22:08.125	-0.1					T__				---		1179290	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=0)																									
CP17A	1.14	131.7	Lg	09:22:10.536	0.1					T__				---		1179297	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	1.15	157.5	Pn	09:21:56.586	1.8					T__		46.1		---	ML	1.8	1179293	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.15	157.5	Lg	09:22:11.850	-0.1					T__				---		1179294	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
HU02A	1.21	134.8	Pn	09:21:56.220	0.7					T__		24.3		---	ML	1.6	1179292	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.21	134.8	Lg	09:22:12.581	-1.0					T__				---		1179298	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/27	11:10:33.07	0.95	0.94	48.2507	21.2044	6.0	4.1	165	0.0f		21	13	65	0.05	1.78	sx	BUD	19003806	BUD			98
2023/07/27	11:10:32.52	0.88	0.66	48.2470	21.2460f				0.0f		21	13	61	0.05	1.76	kx	BUD_GT	19003807	BUD_GT			102

(locality: Táillya Hungary)  
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.1	7 BUD_GT	19003807

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.05	355.1	Pg	11:10:34.269	0.2					T__		10696.7		---	ML	2.5	1179391	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.05	355.1	Lg	11:10:35.638	-0.0					T__				---		1179398	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.5 magdef=1 Station ML: 2.5 magdef=0)																									
HU11A	0.33	189.3	Lg	11:10:46.308	0.8					T__				---		1179399	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP16A	0.48	281.7	Pg	11:10:42.335	0.0					T__		333.9		---	ML	2.2	1179392	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.48	281.7	Lg	11:10:49.146	-0.5					T__				---		1179400	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1 Station ML: 2.2 magdef=1)																									
CP17A	0.49	267.0	Pg	11:10:42.653	0.0					T__		245.3		---	ML	2.1	1179393	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.49	267.0	Lg	11:10:49.793	-0.4					T__				---		1179401	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1 Station ML: 2.1 magdef=1)																									
HU02A	0.50	255.8	Pg	11:10:43.246	0.2					T__		128.3		---	ML	1.8	1179395	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.50	255.8	Lg	11:10:49.983	-1.2					T__				---		1179402	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=0)																									
JOS	0.53	298.1	Pg	11:10:43.927	0.7					T__		142.8		---	ML	1.9	1179394	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.53	298.1	Lg	11:10:50.664	-0.8					T__				---		1179403	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=1)																									
KECS	0.56	295.3	Pg	11:10:44.121	0.3					T__		157.6		---	ML	2.0	1179396	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.56	295.3	Lg	11:10:51.389	-1.0					T__				---		1179404	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.0 magdef=1 Station ML: 2.0 magdef=1)																									
TRPA	0.87	97.2	Lg	11:11:04.178	0.2					T__				---		1179405	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	0.96	250.6	Pg	11:10:53.855	1.0					T__		93.6		---	ML	2.0	1179397	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.96	250.6	Lg	11:11:06.162	-1.1					T__				---		1179406	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1 Station ML: 2.0 magdef=1)																									
KOLS	0.97	44.4	Pn	11:10:52.761	0.3					T__				---		1179408	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.97	44.4	Lg	11:11:07.003	0.2					T__				---		1179407	FDSN	SK	--	BUD	iLoc	HHN	???	_	
NIE	1.33	332.3	Lg	11:11:16.811	-0.3					T__				---		1179409	FDSN	PL	--	BUD	iLoc	BHN	???	_	
HU24A	1.34	182.6	Lg	11:11:18.651	-0.3					T__				---		1179410	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
DRGR	1.76	145.2	Lg	11:11:30.884	-1.2					T__				---		1179411	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/27	20:05:17.42	1.69	1.36	46.0356	21.5649	15.7	11.2	94	15.0f		10	6	139	0.42	1.65	ke	BUD	19003808	BUD			188

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.2	4 BUD	19003808

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
BZS	0.42	175.0	Pg	20:05:25.919	-0.1					T__		94.5		---	ML	1.4	1180713	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.42	175.0	Lg	20:05:32.100	-0.0					T__				---		1180712	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
HU24A	0.92	342.4	Sn	20:05:47.266	-0.6					T__				---		1180715	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU06A	0.97	314.8	Sn	20:05:49.677	0.7					T__				---		1180716	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
GZR	1.06	126.7	Pn	20:05:37.509	0.4					T__		103.6		---	ML	2.1	1180718	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	1.06	126.7	Lg	20:05:51.852	-0.3					T__				---		1180714	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
DRGR	1.10	45.9	Pn	20:05:37.358	-0.0					T__		51.7		---	ML	1.8	1180711	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	1.10	45.9	Sn	20:05:51.144	-1.8					T__				---		1180717	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
LOT	1.65	110.0	Pn	20:05:46.895	1.2					T__		54.9		---	ML	2.2	1180720	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
LOT	1.65	110.0	Sn	20:06:09.463	2.6					T__				---		1180719	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/28	00:26:43.45	1.24	0.95	48.8170	21.8582	8.3	6.6	158	12.4	28.7	14	9	125	0.30	1.19	ke	BUD	19003810	BUD			205

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.2	4 BUD	19003810

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
KOLS	0.30	66.8	Pg	00:26:49.646	0.0					T__				---		1181572	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.30	66.8	Lg	00:26:54.942	0.2					T__				---		1181571	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ABAH	0.66	218.5	Pg	00:26:56.658	0.1					T__		59.7		---	ML	1.6	1181573	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.66	218.5	Lg	00:27:04.729	-1.8					T__				---		1181574	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
TRPA	0.82	146.3	Pg	00:26:59.178	-0.1					T__		35.5		---	ML	1.5	1181568	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.82	146.3	Lg	00:27:11.339	-0.1					T__				---		1181578	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
HU07A	0.84	177.4	Pg	00:27:00.091	0.3					T__		83.0		---	ML	1.9	1181569	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU07A	0.84	177.4	Lg	00:27:13.219	1.1					T__				---		1181570	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
KECS	0.97	250.4	Lg	00:27:16.743	0.8					T__				---		1181577	FDSN	SK	--	BUD	iLoc	EHN	???	_	
HU11A	1.00	207.5	Lg	00:27:18.041	0.5					T__				---		1181579	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP17A	1.08	236.8	Lg	00:27:18.710	-0.9					T__				---		1181580	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	1.13	232.4	Pn	00:27:04.491	0.4					T__		19.9		---	ML	1.4	1181576	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.13	232.4	Sn	00:27:18.934	-1.6					T__				---		1181575	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
NIE	1.19	301.0	Lg	00:27:21.349	-0.0					T__				---		1181581	FDSN	PL	--	BUD	iLoc	BHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/28	06:47:58.55	2.94	0.59	48.3450	21.2549	21.4	5.3	61	0.0f		5	3	266	0.05	0.54	sx	BUD	19003812	BUD			320

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.05	191.7	Pg	06:48:00.109	-0.0					T__		177.0		---	ML	0.7	1181799	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.05	191.7	Lg	06:48:01.825	0.1					T__				---		1181801	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.7 magdef=1)																									
(Station ML: 0.7 magdef=1)																									
KECS	0.53	285.4	Pg	06:48:09.472	0.2					T__		105.3		---	ML	1.8	1181802	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.53	285.4	Lg	06:48:16.611	-0.8					T__				---		1181803	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
HU02A	0.54	245.7	Lg	06:48:18.743	0.2					T__				---		1181800	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/28	07:12:37.62	1.39	1.91	48.5200	17.5505	13.7	3.5	121	0.0f		7	5	212	0.23	1.28	sx	BUD	19003814	BUD			280

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.23	231.2	Pg	07:12:42.763	-0.1					T__				---		1182062	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.23	231.2	Lg	07:12:44.625	-2.5					T__				---		1182063	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.35	13.2	Pg	07:12:45.575	0.4					T__		77.1		---	ML	1.2	1182065	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.35	13.2	Lg	07:12:49.519	-1.6					T__				---		1182064	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=0)																									
KRUC	0.94	305.8	Lg	07:13:09.531	0.2					T__				---		1182066	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
RONA	1.17	226.1	Lg	07:13:18.222	2.1					T__				---		1182067	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	1.28	243.0	Lg	07:13:20.194	1.0					T__				---		1182068	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/28	08:08:28.67	1.25	0.81	48.7731	20.0862	11.6	3.9	77	0.0f		11	8	183	0.39	0.90	sx	BUD	19003816	BUD			292

Magnitude Err Nsta Author OrigID  
ML 1.5 0.2 3 BUD 19003816

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KECS	0.39	137.4	Pg	08:08:37.084	0.5					T__		167.3		---	ML	1.6	1182721	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.39	137.4	Lg	08:08:42.379	-0.3					T__				---		1182726	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
JOS	0.41	132.5	Pg	08:08:37.541	0.6					T__		112.7		---	ML	1.5	1182719	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.41	132.5	Lg	08:08:43.055	-0.1					T__				---		1182720	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
CP16A	0.53	144.9	Lg	08:08:46.946	-0.3					T__				---		1182727	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP17A	0.62	152.8	Lg	08:08:50.498	-0.1					T__				---		1182729	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
NIE	0.66	12.2	Pg	08:08:41.509	0.3					T__		18.3		---	ML	1.1	1182728	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_

NIE	0.66	12.2	Lg	08:08:50.066	-0.6	T__									1182724	FDSN	PL	--	BUD	iLoc	BHN	???	_
				(Reading ML: 1.1 magdef=1)																			
				(Station ML: 1.1 magdef=1)																			
HU02A	0.71	155.7	Lg	08:08:53.426	-1.1	T__									1182722	FDSN	Z6	00	BUD	iLoc	HHN	???	_
PSZ	0.86	188.6	Lg	08:08:59.269	-0.6	T__									1182725	FDSN	GE	--	BUD	iLoc	HHN	???	_
ABAH	0.90	121.5	Lg	08:08:58.685	-1.5	T__									1182723	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/28	09:49:32.68	2.26	0.79	47.8282	20.1594	18.7	3.8	160	0.0f		10	7	231	0.20	0.77	sx	BUD	19003820	BUD			241

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.1	3 BUD	19003820

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
PSZ	0.20	296.9	Pg	09:49:37.951	0.4					T__		301.6			ML	1.3	1182812	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.20	296.9	Lg	09:49:40.909	-0.5					T__						1182815	FDSN	GE	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.3 magdef=1)																					
				(Station ML: 1.3 magdef=1)																					
HU02A	0.38	39.7	Pg	09:49:41.147	0.1					T__		82.0			ML	1.3	1182813	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.38	39.7	Lg	09:49:46.296	-1.2					T__						1182816	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.3 magdef=1)																					
				(Station ML: 1.3 magdef=1)																					
HU03A	0.38	281.6	Lg	09:49:46.940	-0.2					T__						1182817	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP17A	0.46	31.0	Pg	09:49:43.091	0.9					T__		74.8			ML	1.4	1182814	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.46	31.0	Lg	09:49:48.679	-0.6					T__						1182818	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.4 magdef=1)																					
				(Station ML: 1.4 magdef=1)																					
KECS	0.69	18.3	Lg	09:49:56.648	-0.5					T__						1182819	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	0.71	20.7	Lg	09:49:57.872	-0.0					T__						1182820	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
HU10A	0.77	271.7	Lg	09:49:59.977	-0.9					T__						1182821	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/28	11:54:57.70	1.36	0.69	48.9511	21.2129	7.8	6.9	83	0.0f		11	8	126	0.64	1.57	sx	BUD	19003824	BUD			213

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.1	3 BUD	19003824

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
JOS	0.64	224.6	Pg	11:55:10.809	0.4					T__		67.6			ML	1.7	1182873	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.64	224.6	Lg	11:55:20.231	0.3					T__						1182872	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.7 magdef=1)																					
				(Station ML: 1.7 magdef=1)																					
ABAH	0.66	178.4	Lg	11:55:21.412	-0.2					T__						1182877	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KECS	0.67	226.1	Pg	11:55:11.539	0.5					T__		111.4			ML	1.9	1182874	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.67	226.1	Lg	11:55:21.071	-0.0					T__						1182876	FDSN	SK	--	BUD	iLoc	EHN	???	_	
				(Reading ML: 1.9 magdef=1)																					
				(Station ML: 1.9 magdef=1)																					
KOLS	0.70	91.1	Lg	11:55:22.893	0.5					T__						1182878	FDSN	SK	--	BUD	iLoc	HHN	???	_	
NIE	0.76	308.3	Lg	11:55:22.910	0.0					T__						1182879	FDSN	PL	--	BUD	iLoc	BHN	???	_	
HU02A	0.95	209.1	Pg	11:55:16.287	-0.8					T__		37.9			ML	1.6	1182875	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_

HU02A	0.95	209.1	Lg	11:55:30.200	-0.9	T__	---	1182880	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1)																
(Station ML: 1.6 magdef=1)																
PSZ	1.36	220.8	Sn	11:55:43.597	0.4	T__	---	1182881	FDSN	GE	--	BUD	iLoc	HHN	???	_
OJC	1.57	324.6	Lg	11:55:47.183	-1.2	T__	---	1182882	FDSN	PL	--	BUD	iLoc	BHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/30	20:23:23.85	2.76	0.23	45.7627	18.0089	23.8	5.4	176	0.5	4.9	7	4	264	0.20	0.64	ke	BUD	19003846	BUD			297

Magnitude	Err	Nsta	Author	OrigID
ML	1.1	0.4	3 BUD	19003846

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
A273A	0.20	318.8	Pg	20:23:28.257	-0.1					T__		287.0		---	ML	1.3	1191170	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
A273A	0.20	318.8	Lg	20:23:31.781	0.3					T__				---		1191169	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 1.3 magdef=1)																										
(Station ML: 1.3 magdef=1)																										
KOVH	0.33	11.0	Pg	20:23:30.976	0.0					T__		26.1		---	ML	0.6	1191168	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
KOVH	0.33	11.0	Lg	20:23:35.797	-0.2					T__				---		1191167	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 0.6 magdef=1)																										
(Station ML: 0.6 magdef=1)																										
MORH	0.63	44.1	Pg	20:23:36.710	0.0					T__		16.9		---	ML	1.1	1191165	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
MORH	0.63	44.1	Lg	20:23:46.095	-0.1					T__				---		1191166	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.1 magdef=1)																										
(Station ML: 1.1 magdef=1)																										
A264A	0.64	308.6	Lg	20:23:45.599	-0.1					T__				---		1191171	FDSN	Z6	00	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/31	00:24:15.65	1.20	1.47	45.9684	20.4176	11.1	4.7	38	4.2	13.6	14	10	100	0.53	1.75	ke	BUD	19003848	BUD			162

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.2	4 BUD	19003848

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
HU14A	0.53	334.0	Pg	00:24:27.206	0.6					T__		200.2		---	ML	2.1	1191227	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU14A	0.53	334.0	Lg	00:24:34.534	-0.4					T__				---		1191239	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 2.1 magdef=1)																										
(Station ML: 2.1 magdef=1)																										
HU21A	0.60	307.5	Pg	00:24:27.954	0.2					T__		101.6		---	ML	1.8	1191228	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU21A	0.60	307.5	Lg	00:24:36.655	-0.7					T__				---		1191231	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 1.8 magdef=1)																										
(Station ML: 1.8 magdef=1)																										
HU06A	0.75	7.9	Pn	00:24:30.602	-0.7					T__		90.2		---	ML	1.9	1191229	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU06A	0.75	7.9	Lg	00:24:41.786	-0.3					T__				---		1191232	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 1.9 magdef=1)																										
(Station ML: 1.9 magdef=1)																										
BZS	0.91	112.3	Pg	00:24:33.688	0.4					T__		25.6		---	ML	1.4	1191230	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_	
BZS	0.91	112.3	Lg	00:24:45.602	-0.7					T__				---		1191235	FDSN	RO	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.4 magdef=1)																										
(Station ML: 1.4 magdef=1)																										

FRGS	0.92	208.0	Sn	00:24:46.764	-1.4	T__	---	1191233	FDSN	SJ	--	BUD	iLoc	BHN	???	_
HU22A	0.96	292.4	Sn	00:24:49.259	0.4	T__	---	1191234	FDSN	Z6	00	BUD	iLoc	HHN	???	_
MORH	1.26	281.9	Sn	00:24:56.695	0.7	T__	---	1191236	FDSN	HU	--	BUD	iLoc	HHN	???	_
A266A	1.59	291.2	Sn	00:25:06.065	1.7	T__	---	1191237	FDSN	Z6	00	BUD	iLoc	HHN	???	_
KOVH	1.62	275.1	Sn	00:25:08.270	3.4	T__	---	1191240	FDSN	HU	--	BUD	iLoc	HHN	???	_
GZR	1.75	108.3	Sn	00:25:10.284	1.6	T__	---	1191238	FDSN	RO	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/31	07:34:30.38	1.05	0.98	48.1049	21.3182	6.0	5.1	40	0.0f		12	10	65	0.20	1.62	sx	BUD	19003852	BUD			121

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.20	344.7	Pg	07:34:34.838	0.0					T__		268.2		---	ML	1.3	1191335	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.20	344.7	Lg	07:34:38.673	-0.1					T__				---		1191338	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
HU11A	0.21	209.3	Lg	07:34:38.913	-0.3					T__				---		1191339	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.53	272.2	Lg	07:34:49.984	-0.3					T__				---		1191336	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP16A	0.57	294.8	Lg	07:34:51.502	0.8					T__				---		1191340	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
JDS	0.65	307.2	Lg	07:34:53.190	-0.1					T__				---		1191341	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
KECS	0.67	304.6	Lg	07:34:54.333	0.2					T__				---		1191342	FDSN	SK	--	BUD	iLoc	EHN	???	_	
TRPA	0.82	87.8	Pg	07:34:47.022	0.6					T__		48.4		---	ML	1.6	1191344	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.82	87.8	Lg	07:34:58.196	-2.0					T__				---		1191343	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
PSZ	0.97	259.5	Lg	07:35:04.382	-1.1					T__				---		1191345	FDSN	GE	--	BUD	iLoc	HHN	???	_	
KOLS	1.04	37.1	Lg	07:35:05.801	-1.4					T__				---		1191337	FDSN	SK	--	BUD	iLoc	HHN	???	_	
DRGR	1.62	143.8	Sn	07:35:22.380	0.4					T__				---		1191346	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/07/31	08:13:21.29	0.95	0.69	47.8385	16.0086	6.9	3.7	39	0.0f		10	6	102	0.13	1.25	sx	BUD	19003854	BUD					186

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.3	3 BUD	19003854

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.13	312.3	Pg	08:13:24.558	0.4					T__		404.1		---	ML	1.3	1191371	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.13	312.3	Lg	08:13:25.745	-0.6					T__				---		1191375	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
RONA	0.24	125.5	Pg	08:13:26.494	0.2					T__				---		1191372	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.24	125.5	Lg	08:13:30.018	0.2					T__				---		1191376	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.67	209.4	Pg	08:13:34.747	0.4					T__		38.7		---	ML	1.5	1191373	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
ARSA	0.67	209.4	Lg	08:13:42.288	-0.6					T__				---		1191377	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
EGYH	0.99	114.7	Lg	08:13:55.120	-0.4					T__				---		1191378	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MODS	1.00	57.3	Sn	08:13:56.121	-1.3					T__				---		1191379	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KRUC	1.25	11.7	Pg	08:13:45.317	0.0					T__		39.6		---	ML	1.8	1191380	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_



KRUC 1.25 11.7 Sn 08:14:02.282 -0.7 T\_\_ --- 1191374 FDSN CZ -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.8 magdef=1  
 (Station ML: 1.8 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/31	08:23:02.68	2.78	0.99	47.8263	19.8704	18.7	5.7	170	0.0f	9	8	230	0.09	1.03	sx	BUD	19003856	BUD				307

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.09	10.0	Pg	08:23:06.162	0.8					T__		1101.8		---	ML	1.6	1191403	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.09	10.0	Lg	08:23:07.031	-0.8					T__				---		1191404	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=0)																									
HU03A	0.20	293.1	Lg	08:23:09.733	-1.0					T__				---		1191405	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.53	55.8	Lg	08:23:21.492	-1.1					T__				---		1191406	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP17A	0.58	47.3	Lg	08:23:23.099	-0.5					T__				---		1191407	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP16A	0.68	40.8	Lg	08:23:26.604	-0.3					T__				---		1191408	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KECS	0.78	31.8	Lg	08:23:29.453	-0.5					T__				---		1191409	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	0.81	33.5	Lg	08:23:30.110	-0.9					T__				---		1191410	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
ABAH	1.03	62.4	Lg	08:23:38.290	-1.0					T__				---		1191411	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/31	09:52:45.37	0.95	1.10	47.7068	16.3895	6.5	2.9	178	0.0f	13	10	96	0.06	1.36	sx	BUD	19003858	BUD				137

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.06	263.6	Pg	09:52:47.255	0.2					T__				---		1191435	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.06	263.6	Lg	09:52:48.848	0.5					T__				---		1191436	FDSN	OE	--	BUD	iLoc	HHN	???	_	
SOP	0.12	101.6	Pg	09:52:48.410	0.3					T__		154.2		---	ML	0.8	1191438	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.12	101.6	Lg	09:52:50.455	0.3					T__				---		1191437	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1 (Station ML: 0.8 magdef=1)																									
EGYH	0.70	114.1	Lg	09:53:09.664	-0.5					T__				---		1191440	FDSN	HU	--	BUD	iLoc	HHN	???	_	
ARSA	0.74	232.5	Lg	09:53:07.874	-1.3					T__				---		1191439	FDSN	OE	--	BUD	iLoc	HHN	???	_	
A262A	0.85	173.6	Lg	09:53:14.411	1.0					T__				---		1191441	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MODS	0.89	41.4	Lg	09:53:16.967	-0.5					T__				---		1191442	FDSN	SK	--	BUD	iLoc	HHN	???	_	
MPLH	0.95	124.1	Lg	09:53:17.405	-0.8					T__				---		1191443	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU08A	1.07	104.3	Sn	09:53:21.203	-1.6					T__				---		1191444	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KOGS	1.26	184.4	Pn	09:53:08.641	-1.0					T__		71.3		---	ML	2.1	1191446	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	1.26	184.4	Lg	09:53:25.659	-0.4					T__				---		1191445	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.1 magdef=1 (Station ML: 2.1 magdef=1)																									
KRUC	1.36	0.2	Sn	09:53:31.794	2.0					T__				---		1191447	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/31	10:30:46.24	3.78	1.91	47.0526	22.4488	28.2	21.0	22	0.0f	9	5	303	0.32	1.85	sx	BUD	19003860	BUD				333

Magnitude Err Nsta Author OrigID  
ML 1.7 0.2 4 BUD 19003860

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
DRGR	0.32	145.4	Pg	10:30:52.951	0.1					T__		221.3		___	ML	1.5 1191471	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	0.32	145.4	Lg	10:30:57.370	-0.8					T__				---		1191472	FDSN	RO	--	BUD	iLoc	HNN	???	_
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=1)																								
DEV	1.21	164.8	Pg	10:31:09.823	0.5					T__		251.8		___	ML	2.6 1191474	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	1.21	164.8	Lg	10:31:27.717	1.4					T__				---		1191473	FDSN	RO	--	BUD	iLoc	HNN	???	_
(Reading ML: 2.6 magdef=1 Station ML: 2.6 magdef=1)																								
BZS	1.55	202.2	Pn	10:31:13.694	-0.5					T__		21.5		___	ML	1.7 1191477	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	1.55	202.2	Sn	10:31:31.661	-3.9					T__				---		1191478	FDSN	RO	--	BUD	iLoc	HNN	???	_
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=1)																								
GZR	1.68	172.1	Pg	10:31:17.711	-0.3					T__		21.1		___	ML	1.8 1191476	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	1.68	172.1	Sn	10:31:39.111	-0.1					T__				---		1191475	FDSN	RO	--	BUD	iLoc	HNN	???	_
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=1)																								
LOT	1.85	149.8	Sn	10:31:45.757	1.8					T__				---		1191479	FDSN	RO	--	BUD	iLoc	HNN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/31	11:25:52.15	1.77	1.65	48.5740	22.9180	14.7	6.0	81	0.0f		15	11	163	0.51	1.66	sx	BUD	19003862	BUD			217

Magnitude Err Nsta Author OrigID  
ML 2.0 0.3 3 BUD 19003862

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TRPA	0.51	209.8	Pg	11:26:02.757	0.5					T__		115.1		___	ML	1.8 1191539	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.51	209.8	Lg	11:26:10.391	-0.7					T__				---		1191543	FDSN	HU	--	BUD	iLoc	HNN	???	_
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=1)																								
KOLS	0.56	310.4	Pg	11:26:04.217	1.2					T__				---		1191540	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	0.56	310.4	Lg	11:26:10.379	-1.8					T__				---		1191544	FDSN	SK	--	BUD	iLoc	HNN	???	_
HU07A	0.90	228.9	Lg	11:26:22.988	-1.2					T__				---		1191545	FDSN	Z6	00	BUD	iLoc	HNN	???	_
BMR	0.98	156.5	Lg	11:26:25.574	-1.1					T__				---		1191546	FDSN	RO	--	BUD	iLoc	HNN	???	_
KWP	1.07	352.6	Lg	11:26:25.421	-2.6					T__				---		1191547	FDSN	PL	--	BUD	iLoc	HNN	???	_
ABAH	1.15	256.7	Pn	11:26:13.274	-1.4					T__		283.3		___	ML	2.6 1191542	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	1.15	256.7	Lg	11:26:30.620	-1.5					T__				---		1191541	FDSN	HU	--	BUD	iLoc	HNN	???	_
(Reading ML: 2.6 magdef=1 Station ML: 2.6 magdef=1)																								
JOS	1.58	268.1	Pn	11:26:22.596	1.9					T__		37.5		___	ML	2.0 1191549	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	1.58	268.1	Sn	11:26:45.383	2.2					T__				---		1191548	FDSN	Z6	--	BUD	iLoc	HNN	???	_
(Reading ML: 2.0 magdef=1 Station ML: 2.0 magdef=1)																								
CP16A	1.60	262.5	Sn	11:26:44.199	0.9					T__				---		1191550	FDSN	Z6	00	BUD	iLoc	HNN	???	_
KECS	1.62	267.7	Sn	11:26:46.162	2.1					T__				---		1191551	FDSN	SK	--	BUD	iLoc	EHN	???	_
CP17A	1.64	258.4	Sn	11:26:43.961	-0.3					T__				---		1191552	FDSN	Z6	00	BUD	iLoc	HNN	???	_
HU02A	1.66	255.1	Sn	11:26:45.318	0.0					T__				---		1191553	FDSN	Z6	00	BUD	iLoc	HNN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/31	23:55:34.29	2.15	0.88	45.7064	16.0017	16.9	6.8	155	10.0f	10	6	224	0.12	1.01	ke	BUD	19003866	BUD				290

Magnitude	Err	Nsta	Author	OrigID
ML	1.1	0.4	4 BUD	19003866

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ZAG	0.12	355.1	Pg	23:55:37.413	0.1					T__		557.3		___	ML	1.4	1191606	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.12	355.1	Lg	23:55:40.206	0.6					T__				---		1191605	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
PTJ	0.20	353.3	Pg	23:55:38.326	-0.7					T__		88.4		___	ML	0.8	1191604	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.20	353.3	Lg	23:55:42.799	0.2					T__				---		1191603	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=1)																									
CRES	0.40	287.6	Pg	23:55:41.850	-0.4					T__		26.4		___	ML	0.8	1191607	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.40	287.6	Lg	23:55:49.062	0.8					T__				---		1191608	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=1)																									
KOGS	0.76	13.0	Sn	23:56:02.665	0.4					T__				---		1191601	FDSN	SL	--	BUD	iLoc	BHN	???	_	
BEHE	0.93	34.9	Pn	23:55:52.805	-0.1					T__		89.0		---	ML	2.0	1191599	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BEHE	0.93	34.9	Sn	23:56:08.289	1.9					T__				---		1191600	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
A264A	1.01	62.8	Lg	23:56:07.121	0.0					T__				---		1191602	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/07/31	23:58:37.29	1.46	1.55	45.6133	16.1100	10.3	8.4	57	10.0f	11	7	156	0.23	1.41	ke	BUD	19003868	BUD				267

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.4	4 BUD	19003868

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ZAG	0.23	338.1	Pg	23:58:42.471	0.2					T__		377.6		___	ML	1.5	1191638	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.23	338.1	Lg	23:58:46.305	0.5					T__				---		1191639	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
PTJ	0.31	341.4	Pg	23:58:43.384	-0.6					T__		58.3		___	ML	0.9	1191641	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.31	341.4	Lg	23:58:48.003	-0.9					T__				---		1191640	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
CRES	0.50	295.2	Pg	23:58:47.054	-0.2					T__		24.7		___	ML	1.1	1191642	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.50	295.2	Lg	23:58:54.467	-0.3					T__				---		1191643	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
KOGS	0.84	6.6	Sn	23:59:08.362	1.3					T__				---		1191644	FDSN	SL	--	BUD	iLoc	BHN	???	_	
BEHE	0.97	28.2	Sn	23:59:13.657	3.3					T__				---		1191645	FDSN	HU	--	BUD	iLoc	HHN	???	_	
BLY	1.15	138.3	Lg	23:59:13.877	-0.2					T__				---		1191646	FDSN	MN	--	BUD	iLoc	HHN	???	_	
OBKA	1.41	310.1	Pn	23:59:04.966	1.8					T__		28.3		___	ML	1.7	1191648	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
OBKA	1.41	310.1	Lg	23:59:24.102	1.3					T__				---		1191647	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/01	06:54:05.57	2.00	1.40	47.8276	20.1384	15.8	3.8	162	0.0f	14	8	214	0.19	0.87	sx	BUD	19003870	BUD				241
2023/08/01	06:54:06.04	0.81	1.04	47.8987	20.0893f				0.0f	14	8	203	0.13	0.87	kx	BUD_GT	19003871	BUD_GT				216

(locality: Recsk Hungary)  
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.1	6 BUD_GT	19003871

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
PSZ	0.13	278.6	Pg	06:54:10.946	1.4					T__		1631.6		---	ML	1.9	1191705	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.13	278.6	Lg	06:54:12.833	0.4					T__				---		1191711	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=1)																									
HU02A	0.37	52.4	Pg	06:54:15.127	1.1					T__		242.3		---	ML	1.7	1191706	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.37	52.4	Lg	06:54:19.455	-0.9					T__				---		1191712	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=0)																									
CP17A	0.43	41.3	Pg	06:54:14.744	-0.2					T__		315.4		---	ML	2.0	1191707	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.43	41.3	Lg	06:54:21.171	-0.4					T__				---		1191713	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1 Station ML: 2.0 magdef=1)																									
CP16A	0.54	34.1	Pn	06:54:19.185	-1.8					T__		308.9		---	ML	2.3	1191708	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.54	34.1	Lg	06:54:25.336	0.1					T__				---		1191714	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.3 magdef=1 Station ML: 2.3 magdef=0)																									
KECS	0.64	24.2	Pn	06:54:21.194	0.0					T__		174.5		---	ML	2.1	1191709	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.64	24.2	Lg	06:54:29.578	0.8					T__				---		1191715	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.1 magdef=1 Station ML: 2.1 magdef=1)																									
JOS	0.67	26.6	Pn	06:54:21.258	-0.3					T__		87.3		---	ML	1.8	1191710	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.67	26.6	Lg	06:54:30.336	0.7					T__				---		1191716	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=1)																									
HU10A	0.72	266.1	Lg	06:54:31.939	-0.7					T__				---		1191717	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ABAH	0.87	62.3	Lg	06:54:35.052	-2.2					T__				---		1191718	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/01	07:32:55.54	1.83	0.76	48.0407	20.7264	10.3	6.7	151	0.0f	8	7	204	0.16	0.57	sx	BUD	19003872	BUD				273
2023/08/01	07:32:56.11	0.99	0.88	48.0471	20.6805f				0.0f	8	7	200	0.13	0.54	kx	BUD_GT	19003873	BUD_GT				268

(locality: Miskolc-Mexikövölgy Hungary)  
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
				19003873

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU02A	0.13	305.8	Pg	07:32:59.908	0.6					T__		348.7		---	ML	1.2	1191746	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.13	305.8	Lg	07:33:01.908	-0.2					T__				---		1191747	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

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(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=0
CP17A 0.21 326.7 Lg 07:33:03.798 -0.2 T__ --- 1191748 FDSN Z6 00 BUD iLoc HHN ??? _
CP16A 0.31 342.4 Lg 07:33:07.093 -0.4 T__ --- 1191749 FDSN Z6 00 BUD iLoc HHN ??? _
ABAH 0.45 56.1 Lg 07:33:11.173 -2.0 T__ --- 1191750 FDSN HU -- BUD iLoc HHN ??? _
KECS 0.46 343.5 Lg 07:33:12.025 -0.4 T__ --- 1191751 FDSN SK -- BUD iLoc EHN ??? _
JOS 0.46 348.2 Lg 07:33:12.169 -0.4 T__ --- 1191752 FDSN Z6 -- BUD iLoc HHN ??? _
PSZ 0.54 256.6 Lg 07:33:15.966 -0.6 T__ --- 1191753 FDSN GE -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/01 08:06:26.69 3.55 1.12 48.5516 20.6372 19.0 8.0 28 0.0f 7 4 314 0.09 0.44 sx BUD 19003874 BUD 321

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Magnitude Err Nsta Author OrigID
ML 0.6 0.3 3 BUD 19003874

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
JOS 0.09 229.4 Pg 08:06:28.776 0.1 T__ 84.2 --- ML 0.5 1192411 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.09 229.4 Lg 08:06:30.584 0.3 T__ --- 1192412 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 0.5 magdef=1
(Station ML: 0.5 magdef=1
KECS 0.12 235.9 Pg 08:06:29.233 -0.1 T__ 240.6 --- ML 1.0 1192414 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.12 235.9 Lg 08:06:31.862 0.3 T__ --- 1192413 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=1
CP16A 0.22 197.2 Pg 08:06:31.734 0.5 T__ 54.4 --- ML 0.6 1192415 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP16A 0.22 197.2 Lg 08:06:35.039 0.2 T__ --- 1192416 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 0.6 magdef=1
(Station ML: 0.6 magdef=1
HU02A 0.44 189.9 Lg 08:06:40.992 -2.1 T__ --- 1192417 FDSN Z6 00 BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/01 08:14:40.14 0.99 0.82 47.8757 16.0842 6.8 4.0 29 0.0f 6 4 128 0.16 0.94 sx BUD 19003876 BUD 211

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CONA 0.16 289.5 Pg 08:14:43.237 -0.3 T__ 62.7 --- ML 0.5 1192437 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.16 289.5 Lg 08:14:46.342 0.4 T__ --- 1192439 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 0.5 magdef=1
(Station ML: 0.5 magdef=0
RONA 0.23 140.8 Pg 08:14:45.136 0.2 T__ --- 1192438 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.23 140.8 Lg 08:14:47.264 -1.1 T__ --- 1192440 FDSN OE -- BUD iLoc HHN ??? _
ARSA 0.73 211.5 Lg 08:15:04.210 0.7 T__ --- 1192441 FDSN OE -- BUD iLoc HHN ??? _
MODS 0.94 57.6 Lg 08:15:14.201 0.4 T__ --- 1192442 FDSN SK -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/01 09:17:54.46 0.93 1.47 48.4198 17.2787 6.0 3.1 97 0.0f 12 7 125 0.05 1.08 sx BUD 19003878 BUD 182

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Magnitude Err Nsta Author OrigID

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ML 1.6 0.6 3 BUD 19003878

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.05	181.1	Pg	09:17:56.421	0.4					T__						1192466	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.05	181.1	Lg	09:17:57.169	-0.5					T__						1192467	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.51	30.5	Pg	09:18:06.043	0.9					T__		210.0			ML	2.0	1192468	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.51	30.5	Lg	09:18:12.069	-1.4					T__						1192472	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
KRUC	0.87	318.0	Pg	09:18:12.032	0.9					T__		42.6			ML	1.6	1192469	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	0.87	318.0	Lg	09:18:22.075	-1.9					T__						1192473	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
RONA	0.98	222.8	Pg	09:18:14.662	0.8					T__						1192470	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.98	222.8	Lg	09:18:26.311	-0.3					T__						1192474	FDSN	OE	--	BUD	iLoc	HHN	???	_	
VRAC	1.00	333.3	Pg	09:18:14.698	1.3					T__		14.8			ML	1.2	1192471	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
VRAC	1.00	333.3	Lg	09:18:26.640	-1.4					T__						1192475	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
CONA	1.07	243.1	Lg	09:18:28.758	-0.6					T__						1192476	FDSN	OE	--	BUD	iLoc	HHN	???	_	
HU08A	1.08	156.1	Sn	09:18:30.046	-2.7					T__						1192477	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/01	15:18:52.07	2.52	0.99	48.4987	20.3627	15.9	6.0	140	0.0f		6	4	252	0.08	0.66	sx	BUD	19003884	BUD			296

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KECS	0.08	100.7	Pg	15:18:54.246	0.2					T__		276.4			ML	1.0	1193730	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.08	100.7	Lg	15:18:55.277	-0.4					T__						1193731	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
CP16A	0.20	143.0	Pg	15:18:56.984	0.8					T__		81.1			ML	0.8	1193732	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.20	143.0	Lg	15:18:58.568	-0.8					T__						1193733	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=1)																									
HU02A	0.39	163.9	Lg	15:19:06.536	-0.5					T__						1193734	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.66	208.5	Lg	15:19:15.228	-1.1					T__						1193729	FDSN	GE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/01	20:28:21.50	1.10	1.22	47.5920	16.0111	7.0	5.8	148	7.0f		5	3	163	0.22	0.48	ke	BUD	19003886	BUD			282

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.22	60.7	Pg	20:28:26.370	0.1					T__						1195440	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.22	60.7	Lg	20:28:29.707	0.1					T__						1195439	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.35	343.4	Pg	20:28:29.601	0.9					T__		28.0			ML	0.7	1195442	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.35	343.4	Lg	20:28:32.223	-1.4					T__						1195438	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.7 magdef=1)																									

(Station ML: 0.7 magdef=0  
 ARSA 0.48 224.3 Lg 20:28:36.500 -0.4 T\_\_ --- 1195441 FDSN OE -- BUD iLoc HHN ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/02	06:50:14.75	1.51	0.62	46.1201	22.8851	11.6	7.1	67	0.0f	7	4	187	0.24	1.02	sx	BUD	19003890	BUD				296

Magnitude Err Nsta Author OrigID  
 ML 2.0 0.2 3 BUD 19003890

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
DEV	0.24	176.9	Pg	06:50:19.592	0.3					T__		1448.7		---	ML	2.1	1197479	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_	
DEV	0.24	176.9	Lg	06:50:22.002	-0.6					T__				---		1197480	FDSN	RO	--	BUD	iLoc	HHN	???	_		
(Reading ML: 2.1 magdef=1 (Station ML: 2.1 magdef=1)																										
DRGR	0.68	349.9	Lg	06:50:38.946	-0.7					T__				---		1197483	FDSN	RO	--	BUD	iLoc	HHN	???	_		
GZR	0.73	186.0	Pg	06:50:28.940	0.2					T__		125.0		---	ML	2.0	1197481	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_	
GZR	0.73	186.0	Lg	06:50:38.709	-0.4					T__				---		1197484	FDSN	RO	--	BUD	iLoc	HHN	???	_		
(Reading ML: 2.0 magdef=1 (Station ML: 2.0 magdef=1)																										
BZS	1.02	240.9	Pg	06:50:35.003	0.4					T__		31.5		---	ML	1.6	1197482	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_	
BZS	1.02	240.9	Lg	06:50:48.387	-0.5					T__				---		1197485	FDSN	RO	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=1)																										

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/05/09	08:31:28.17	2.32	1.16	47.7747	19.8563	13.7	6.6	2	0.0f	13	8	246	0.10	1.67	sx	BUD	19003892	BUD					305
2023/08/02	07:07:18.21	0.94	0.84	47.8285	19.9317f				0.0f	9	7	157	0.09	0.99	kx	BUD_GT	19003893	BUD_GT					227

(locality : Gyöngyössolymos Hungary)  
 (description : known quarry blast)  
 (GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
PSZ	0.09	344.4	Pg	07:07:20.779	-0.1					T__		4099.0		---	ML	2.2	1197509	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_	
PSZ	0.09	344.4	Lg	07:07:22.002	-1.3					T__				---		1197510	FDSN	GE	--	BUD	iLoc	HHN	???	_		
(Reading ML: 2.2 magdef=1 (Station ML: 2.2 magdef=0)																										
HU03A	0.24	288.7	Pg	07:07:24.157	0.6					T__		552.5		---	ML	1.7	1197511	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU03A	0.24	288.7	Lg	07:07:26.092	-1.5					T__				---		1197513	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=0)																										
HU23A	0.29	131.3	Lg	07:07:29.882	0.3					T__				---		1197514	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
HU02A	0.50	53.4	Lg	07:07:36.628	-0.3					T__				---		1197512	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
CP17A	0.55	44.6	Lg	07:07:38.681	0.6					T__				---		1197515	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
KECS	0.75	29.3	Lg	07:07:45.586	0.8					T__				---		1197516	FDSN	SK	--	BUD	iLoc	EHN	???	_		
ABAH	0.99	61.4	Lg	07:07:53.239	-0.4					T__				---		1197517	FDSN	HU	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
------	------	-----	-----	----------	-----------	------	------	----	-------	-----	------	------	-----	-------	-------	------	--------	--------	-----	-------	-----	-----

2023/08/02 09:18:12.24 1.79 0.92 48.5858 20.7763 11.5 4.5 1 0.0f 11 6 250 0.22 0.89 sx BUD 19003896 BUD 317

Magnitude Err Nsta Author OrigID  
ML 1.4 0.2 5 BUD 19003896

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
KECS	0.22	242.1	Pg	09:18:16.814	-0.0					T__		649.2		---	ML	1.7 1197577	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.22	242.1	Lg	09:18:20.867	0.5					T__				---		1197578	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=0)																								
CP16A	0.29	212.9	Pg	09:18:19.344	1.1					T__		189.8		---	ML	1.4 1197576	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.29	212.9	Lg	09:18:22.932	0.2					T__				---		1197580	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.4 magdef=1 Station ML: 1.4 magdef=1)																								
CP17A	0.41	205.8	Lg	09:18:26.775	-0.1					T__				---		1197581	FDSN	Z6	00	BUD	iLoc	HHN	???	_
ABAH	0.42	133.0	Pg	09:18:21.329	0.4					T__		55.9		---	ML	1.2 1197579	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.42	133.0	Lg	09:18:27.474	-0.8					T__				---		1197582	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.2 magdef=1 Station ML: 1.2 magdef=1)																								
HU02A	0.49	200.0	Pg	09:18:22.433	-0.2					T__		31.7		---	ML	1.2 1197583	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.49	200.0	Lg	09:18:29.326	-1.3					T__				---		1197575	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.2 magdef=1 Station ML: 1.2 magdef=0)																								
PSZ	0.89	221.8	Pn	09:18:30.456	-0.6					T__		41.9		---	ML	1.6 1197585	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.89	221.8	Lg	09:18:42.836	-1.5					T__				---		1197584	FDSN	GE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1 Station ML: 1.6 magdef=1)																								

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
2023/08/02 09:20:29.15 1.15 1.20 47.8789 16.5659 9.7 4.7 129 0.0f 8 5 181 0.26 1.19 sx BUD 19003898 BUD 230

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
RONA	0.26	225.5	Pg	09:20:34.765	0.3					T__				---		1197613	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.26	225.5	Lg	09:20:37.057	-1.2					T__				---		1197616	FDSN	OE	--	BUD	iLoc	HHN	???	_
CONA	0.48	276.2	Pg	09:20:39.586	0.9					T__		38.5		---	ML	1.2 1197612	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.48	276.2	Lg	09:20:43.630	-1.5					T__				---		1197617	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.2 magdef=1 Station ML: 1.2 magdef=1)																								
MODS	0.69	43.7	Pn	09:20:47.332	1.2					T__				---		1197615	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.69	43.7	Lg	09:20:53.449	-0.8					T__				---		1197618	FDSN	SK	--	BUD	iLoc	HHN	???	_
ARSA	0.95	228.7	Lg	09:21:00.108	0.8					T__				---		1197619	FDSN	OE	--	BUD	iLoc	HHN	???	_
KRUC	1.19	354.6	Pg	09:20:52.239	0.3					T__		39.2		---	ML	1.8 1197614	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=1)																								

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
2023/08/02 09:24:14.09 1.10 0.68 46.0006 22.8120 17.0 5.1 82 0.0f 6 4 172 0.13 0.87 sx BUD 19003900 BUD 306



Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DEV	0.13	151.5	Lg	09:24:19.105	0.6					T__						1197640	FDSN	RO	--	BUD	iLoc	HHN	???	_	
GZR	0.61	182.3	Pg	09:24:25.575	-0.2					T__		39.7			ML	1.4	1197642	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	0.61	182.3	Lg	09:24:34.632	0.2					T__						1197641	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
DRGR	0.79	355.0	Pg	09:24:30.054	-0.0					T__		36.2			ML	1.5	1197638	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	0.79	355.0	Lg	09:24:42.324	0.0					T__						1197639	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
LOT	0.87	129.1	Lg	09:24:42.512	-1.0					T__						1197643	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/03	06:40:51.64	0.94	1.40	47.6926	18.5509	4.7	3.8	167	0.0f		14	12	114	0.20	1.63	sx	BUD	19003906	BUD			122

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
SRD	0.20	307.1	Pg	06:40:56.934	0.8					T__		4714.0			ML	2.5	1198846	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
SRD	0.20	307.1	Lg	06:40:59.363	-0.7					T__						1198847	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.5 magdef=1)																									
(Station ML: 2.5 magdef=1)																									
HU10A	0.35	64.0	Lg	06:41:05.325	0.1					T__						1198848	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
BUD	0.38	123.0	Lg	06:41:06.091	-0.4					T__						1198849	FDSN	HU	--	BUD	iLoc	HHN	???	_	
CSKK	0.38	210.9	Lg	06:41:05.872	-0.7					T__						1198850	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU08A	0.50	238.6	Lg	06:41:09.122	-1.1					T__						1198851	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.86	233.1	Lg	06:41:21.447	-0.3					T__						1198852	FDSN	HU	--	BUD	iLoc	HHN	???	_	
TIH	0.91	209.7	Lg	06:41:22.178	-1.0					T__						1198853	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	0.93	75.5	Lg	06:41:23.054	-2.5					T__						1198854	FDSN	GE	--	BUD	iLoc	HHN	???	_	
MODS	1.09	309.0	Lg	06:41:28.605	-1.9					T__						1198855	FDSN	SK	--	BUD	iLoc	HHN	???	_	
HU02A	1.40	71.3	Pn	06:41:20.133	2.7					T__		27.8			ML	1.7	1198857	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.40	71.3	Sn	06:41:38.538	0.8					T__						1198856	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
MORH	1.48	177.5	Sn	06:41:39.269	-0.1					T__						1198858	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOVH	1.63	191.1	Lg	06:41:47.668	0.2					T__						1198859	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/03	07:49:24.29	2.56	0.95	48.8716	21.1366	18.3	8.1	72	0.0f		7	6	217	0.58	1.26	sx	BUD	19003908	BUD			304

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.58	173.2	Lg	07:49:46.122	0.5					T__						1198884	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KECS	0.58	228.2	Lg	07:49:44.297	-0.3					T__						1198882	FDSN	SK	--	BUD	iLoc	EHN	???	_	
CP16A	0.66	217.0	Pg	07:49:37.942	0.4					T__		102.1			ML	1.9	1198881	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									

NIE 0.78 315.2 Lg 07:49:50.192 0.2 T\_\_ 1198885 FDSN PL -- BUD iLoc BHN ??? \_  
 HU02A 0.85 208.7 Pg 07:49:40.791 -1.1 T\_\_ 33.1 --- ML 1.5 1198879 FDSN Z6 00 BUD iLoc HHZ HHZ \_  
 HU02A 0.85 208.7 Lg 07:49:55.690 0.7 T\_\_ --- 1198880 FDSN Z6 00 BUD iLoc HHN ??? \_  
 (Reading ML: 1.5 magdef=1  
 (Station ML: 1.5 magdef=1  
 PSZ 1.26 221.4 Sn 07:50:08.691 1.2 T\_\_ --- 1198883 FDSN GE -- BUD iLoc HHN ??? \_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/08/03 08:18:46.74 1.10 0.73 48.2972 19.8521 6.7 3.8 118 0.0f 11 7 171 0.38 1.16 sx BUD 19003910 BUD 222

Magnitude Err Nsta Author OrigID  
 ML 1.8 0.3 4 BUD 19003910

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L  
 PSZ 0.38 175.7 Pg 08:18:55.453 0.3 T\_\_ 413.9 --- ML 2.0 1198941 FDSN GE -- BUD iLoc HHZ HHZ \_  
 PSZ 0.38 175.7 Lg 08:19:01.208 -0.3 T\_\_ --- 1198942 FDSN GE -- BUD iLoc HHN ??? \_  
 (Reading ML: 2.0 magdef=1  
 (Station ML: 2.0 magdef=1  
 HU03A 0.43 203.4 Lg 08:19:02.303 -0.3 T\_\_ --- 1198943 FDSN Z6 00 BUD iLoc HHN ??? \_  
 CP17A 0.45 99.8 Lg 08:19:03.180 0.3 T\_\_ --- 1198944 FDSN Z6 00 BUD iLoc HHN ??? \_  
 CP16A 0.46 84.2 Lg 08:19:03.180 -0.0 T\_\_ --- 1198945 FDSN Z6 00 BUD iLoc HHN ??? \_  
 KECS 0.46 66.0 Pg 08:18:56.421 0.3 T\_\_ 293.4 --- ML 2.1 1198940 FDSN SK -- BUD iLoc EHZ EHZ \_  
 KECS 0.46 66.0 Lg 08:19:03.140 -0.1 T\_\_ --- 1198939 FDSN SK -- BUD iLoc EHN ??? \_  
 (Reading ML: 2.1 magdef=1  
 (Station ML: 2.1 magdef=1  
 HU02A 0.48 111.0 Pg 08:18:56.768 -0.2 T\_\_ 105.1 --- ML 1.7 1198938 FDSN Z6 00 BUD iLoc HHZ HHZ \_  
 HU02A 0.48 111.0 Lg 08:19:04.275 -0.6 T\_\_ --- 1198946 FDSN Z6 00 BUD iLoc HHN ??? \_  
 (Reading ML: 1.7 magdef=1  
 (Station ML: 1.7 magdef=1  
 NIE 1.16 14.6 Pg 08:19:09.406 0.8 T\_\_ 21.5 --- ML 1.5 1198948 FDSN PL -- BUD iLoc BHZ BHZ \_  
 NIE 1.16 14.6 Lg 08:19:23.941 -1.7 T\_\_ --- 1198947 FDSN PL -- BUD iLoc BHN ??? \_  
 (Reading ML: 1.5 magdef=1  
 (Station ML: 1.5 magdef=1

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/08/03 09:21:38.47 2.59 1.22 47.2201 18.2252 18.5 7.5 144 0.0f 4 3 254 0.15 0.47 sx BUD 19003912 BUD 308  
 2023/08/03 09:21:38.36 1.06 1.19 47.2302 18.2835f 0.0f 4 3 270 0.13 0.51 kx BUD\_GT 19003913 BUD\_GT 316

(locality: Iszkkaszentgyörgy Hungary)  
 (GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L  
 CSKK 0.13 353.3 Pg 09:21:42.342 0.7 T\_\_ 224.8 --- ML 1.0 1198971 FDSN HU -- BUD iLoc HHZ HHZ \_  
 CSKK 0.13 353.3 Lg 09:21:44.342 -0.5 T\_\_ --- 1198968 FDSN HU -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.0 magdef=1  
 (Station ML: 1.0 magdef=0  
 HU08A 0.32 309.6 Lg 09:21:50.516 -0.4 T\_\_ --- 1198969 FDSN Z6 00 BUD iLoc HHN ??? \_  
 MPLH 0.51 263.5 Lg 09:21:55.166 -1.9 T\_\_ --- 1198970 FDSN HU -- BUD iLoc HHN ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/03	09:24:22.29	1.14	1.04	47.4097	18.3306	10.9	4.3	131	0.0f	8	7	105	0.07	1.33	sx	BUD	19003914	BUD				143

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.07	225.6	Pg	09:24:24.732	0.4					T__		1462.0		___	ML	1.7	1198989	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.07	225.6	Lg	09:24:25.531	-0.8					T__				___		1198992	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=0)																									
HU09A	0.23	8.7	Lg	09:24:31.776	-0.1					T__				___		1198993	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU08A	0.28	274.6	Lg	09:24:33.018	-0.4					T__				___		1198994	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU10A	0.64	46.6	Lg	09:24:45.575	-0.5					T__				___		1198990	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	1.17	63.7	Sn	09:25:01.520	-1.7					T__				___		1198995	FDSN	GE	--	BUD	iLoc	HHN	???	_	
MORH	1.21	169.7	Sn	09:25:02.324	-1.1					T__				___		1198996	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOVH	1.33	186.9	Sn	09:25:06.536	0.3					T__				___		1198991	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/08/03	09:32:42.68	1.16	0.54	47.9461	16.0704	8.8	4.5	26	0.0f	5	3	137	0.14	1.14	sx	BUD	19003916	BUD					251

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.14	262.8	Pg	09:32:45.940	0.2					T__		127.0		___	ML	0.8	1199011	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.14	262.8	Lg	09:32:47.674	-0.3					T__				___		1199012	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=0)																									
RONA	0.29	148.2	Pg	09:32:49.007	0.3					T__				___		1199014	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.29	148.2	Lg	09:32:52.312	-0.5					T__				___		1199013	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.14	10.8	Lg	09:33:20.998	-0.3					T__				___		1199015	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/08/03	10:51:23.60	1.25	1.19	48.8655	20.6325	13.2	4.9	81	0.0f	12	8	165	0.39	1.46	sx	BUD	19003920	BUD					206

Magnitude Err Nsta Author OrigID  
ML 1.7 0.0 5 BUD 19003920

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KECS	0.39	194.3	Pg	10:51:31.908	0.3					T__		117.9		___	ML	1.5	1199092	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.39	194.3	Lg	10:51:37.783	0.2					T__				___		1199091	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=0)																									
CP16A	0.53	186.7	Pg	10:51:35.374	1.2					T__		162.5		___	ML	2.0	1199093	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=0)																									
NIE	0.59	338.6	Lg	10:51:42.411	-1.0					T__				___		1199094	FDSN	PL	--	BUD	iLoc	BHN	???	_	
CP17A	0.65	187.2	Pg	10:51:37.669	0.9					T__		69.3		___	ML	1.7	1199096	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.65	187.2	Lg	10:51:46.233	-0.3					T__				___		1199095	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									

```

(Station ML: 1.7 magdef=1
ABAH 0.70 144.5 Lg 10:51:47.437 -1.6 T__
HU02A 0.75 185.5 Pg 10:51:39.367 0.3 T__ 48.3 --- ML 1.6 1199090 FDSN HU -- BUD iLoc HHN ??? _
HU02A 0.75 185.5 Lg 10:51:49.135 -1.5 T__ --- 1199098 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
PSZ 1.07 207.7 Pn 10:51:45.774 0.8 T__ 43.4 --- ML 1.7 1199100 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 1.07 207.7 Lg 10:51:59.724 -2.0 T__ --- 1199099 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
OJC 1.46 338.5 Lg 10:52:10.758 -0.1 T__ --- 1199101 FDSN PL -- BUD iLoc BHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/03 14:49:45.53 1.02 0.54 45.9817 22.7047 5.9 4.9 47 0.0f 8 4 125 0.17 0.84 sx BUD 19003930 BUD 240

```

```

Magnitude Err Nsta Author OrigID
ML 1.6 0.3 4 BUD 19003930

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
DEV 0.17 125.3 Pg 14:49:48.752 -0.0 T__ 1347.5 --- ML 1.9 1199624 FDSN RO -- BUD iLoc HHZ HHZ _
DEV 0.17 125.3 Lg 14:49:51.673 0.5 T__ --- 1199623 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
GZR 0.59 175.1 Pg 14:49:56.987 0.1 T__ 51.1 --- ML 1.5 1199626 FDSN RO -- BUD iLoc HHZ HHZ _
GZR 0.59 175.1 Lg 14:50:04.309 -1.0 T__ --- 1199625 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
DRGR 0.81 0.3 Pg 14:50:01.752 -0.1 T__ 62.4 --- ML 1.7 1199621 FDSN RO -- BUD iLoc HHZ HHZ _
DRGR 0.81 0.3 Lg 14:50:13.913 -0.3 T__ --- 1199622 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
BZS 0.84 244.8 Pg 14:50:02.337 0.3 T__ 24.0 --- ML 1.3 1199628 FDSN RO -- BUD iLoc HHZ HHZ _
BZS 0.84 244.8 Lg 14:50:14.023 0.0 T__ --- 1199627 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/03 14:50:15.33 1.05 1.35 45.9459 22.7044 6.2 5.1 67 0.0f 7 4 113 0.15 0.85 sx BUD 19003932 BUD 227

```

```

Magnitude Err Nsta Author OrigID
ML 1.8 0.1 3 BUD 19003932

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
DEV 0.15 114.2 Pg 14:50:18.040 -0.2 T__ 1246.1 --- ML 1.8 1199653 FDSN RO -- BUD iLoc HHZ HHZ _
DEV 0.15 114.2 Lg 14:50:20.340 -0.0 T__ --- 1199654 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
GZR 0.55 174.7 Pg 14:50:26.348 0.3 T__ 50.4 --- ML 1.5 1199656 FDSN RO -- BUD iLoc HHZ HHZ _
GZR 0.55 174.7 Lg 14:50:34.820 0.9 T__ --- 1199655 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1

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```

(Station ML: 1.5 magdef=1
BZS 0.83 247.0 Lg 14:50:41.795 -1.5 T__
DRGR 0.85 0.3 Pg 14:50:33.067 0.8 T__ 62.3 --- ML 1.8 1199659 FDSN RO -- BUD iLoc HHN ??? _
DRGR 0.85 0.3 Lg 14:50:43.219 -1.9 T__ --- 1199658 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/04 07:31:47.40 0.90 1.08 48.2235 18.8131 5.5 3.3 21 0.0f 20 15 125 0.40 1.36 sx BUD 19003940 BUD 157

```

```

Magnitude Err Nsta Author OrigID
ML 1.8 0.1 4 BUD 19003940

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU10A 0.40 159.9 Lg 07:32:02.592 -0.1 T__ 1201888 FDSN Z6 00 BUD iLoc HHE ??? _
SR0 0.53 219.4 Lg 07:32:07.522 0.4 T__ 1201890 FDSN SK -- BUD iLoc EHN ??? _
HU03A 0.62 120.9 Pg 07:32:00.365 -0.0 T__ 90.6 --- ML 1.8 1201889 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU03A 0.62 120.9 Lg 07:32:09.312 -0.4 T__ --- 1201904 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
HU09A 0.65 206.5 Lg 07:32:10.343 -1.1 T__ 1201905 FDSN Z6 00 BUD iLoc HHN ??? _
PSZ 0.79 112.4 Pg 07:32:03.734 -0.4 T__ 57.7 --- ML 1.7 1201891 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.79 112.4 Lg 07:32:15.045 -1.0 T__ --- 1201892 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
CSKK 0.94 203.6 Lg 07:32:20.742 -0.5 T__ 1201893 FDSN HU -- BUD iLoc HHN ??? _
JAVC 0.99 310.4 Pg 07:32:07.814 0.2 T__ 59.4 --- ML 1.8 1201903 FDSN CZ -- BUD iLoc HHZ HHZ _
JAVC 0.99 310.4 Lg 07:32:21.180 -1.6 T__ --- 1201902 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
HU08A 0.99 217.4 Lg 07:32:22.189 -0.4 T__ 1201906 FDSN Z6 00 BUD iLoc HHN ??? _
MODS 1.04 278.9 Pg 07:32:09.494 1.2 T__ 1201901 FDSN SK -- BUD iLoc HHZ ??? _
MODS 1.04 278.9 Lg 07:32:23.043 -1.1 T__ 1201907 FDSN SK -- BUD iLoc HHN ??? _
CP17A 1.14 89.6 Sn 07:32:26.585 -0.1 T__ 1201895 FDSN Z6 00 BUD iLoc HHN ??? _
KECS 1.15 76.3 Sn 07:32:26.804 -0.6 T__ 1201898 FDSN SK -- BUD iLoc EHN ??? _
HU02A 1.15 94.4 Sn 07:32:27.023 -0.7 T__ 1201894 FDSN Z6 00 BUD iLoc HHN ??? _
CP16A 1.16 83.5 Pg 07:32:13.511 3.0 T__ 84.4 --- ML 2.1 1201897 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP16A 1.16 83.5 Sn 07:32:26.950 -0.4 T__ --- 1201896 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
EGYH 1.28 231.6 Sn 07:32:30.529 -0.1 T__ 1201900 FDSN HU -- BUD iLoc HHN ??? _
MPLH 1.36 219.7 Sn 07:32:33.962 1.3 T__ --- 1201899 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/04 08:31:58.54 0.87 0.72 46.8347 17.3728 4.3 3.9 69 0.0f 14 9 81 0.07 1.13 sx BUD 19003942 BUD 115

```

```

Magnitude Err Nsta Author OrigID
ML 1.8 0.5 4 BUD 19003942

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L

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```

BADH 0.07 113.2 Lg 08:32:02.909 0.2 T__
A261A 0.19 307.4 Pg 08:32:03.649 0.6 T__ 2847.5 --- ML 2.3 1201945 FDSN HU -- BUD iLoc HHN ??? _
A261A 0.19 307.4 Lg 08:32:05.785 -0.8 T__ --- 1201944 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=1
A263A 0.20 191.6 Lg 08:32:05.636 -1.0 T__ --- 1201946 FDSN Z6 00 BUD iLoc HHN ??? _
MPLH 0.35 18.7 Pg 08:32:06.719 0.5 T__ 84.9 --- ML 1.2 1201940 FDSN HU -- BUD iLoc HHZ HHZ _
MPLH 0.35 18.7 Lg 08:32:11.375 -0.8 T__ --- 1201947 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
HU08A 0.71 32.0 Pg 08:32:13.438 0.5 T__ 95.2 --- ML 1.9 1201949 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU08A 0.71 32.0 Lg 08:32:22.932 -1.5 T__ --- 1201948 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
KOGS 0.86 243.8 Lg 08:32:26.475 -0.5 T__ --- 1201941 FDSN SL -- BUD iLoc BHN ??? _
KOGS 0.86 243.8 Sg 08:32:26.918 -0.0 T__ --- 1201950 FDSN SL -- BUD iLoc BHN ??? _
KOVH 0.90 145.8 Pg 08:32:16.839 0.1 T__ 43.1 --- ML 1.6 1201951 FDSN HU -- BUD iLoc HHZ HHZ _
KOVH 0.90 145.8 Lg 08:32:29.470 0.3 T__ --- 1201942 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
MORH 1.07 124.8 Sn 08:32:35.768 0.0 T__ --- 1201952 FDSN HU -- BUD iLoc HHN ??? _
RONA 1.13 320.1 Lg 08:32:36.223 0.1 T__ --- 1201953 FDSN OE -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/04 09:16:13.90 0.98 0.91 47.8440 16.0227 7.4 3.9 42 0.0f 10 6 98 0.14 1.51 sx BUD 19003944 BUD 180

```

```

Magnitude Err Nsta Author OrigID
ML 1.5 0.0 3 BUD 19003944

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CONA 0.14 308.0 Pg 09:16:17.255 0.4 T__ 168.4 --- ML 0.9 1201981 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.14 308.0 Lg 09:16:18.533 -0.5 T__ --- 1201982 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=1
RONA 0.23 127.9 Pg 09:16:19.044 0.2 T__ --- 1201983 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.23 127.9 Lg 09:16:22.276 -0.0 T__ --- 1201986 FDSN OE -- BUD iLoc HHN ??? _
ARSA 0.68 209.9 Pg 09:16:28.082 0.9 T__ 48.6 --- ML 1.6 1201984 FDSN OE -- BUD iLoc HHZ HHZ _
ARSA 0.68 209.9 Lg 09:16:34.528 -1.2 T__ --- 1201987 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
MODS 0.99 57.3 Sn 09:16:48.949 -0.8 T__ --- 1201988 FDSN SK -- BUD iLoc HHN ??? _
KRUC 1.24 11.4 Pg 09:16:37.553 -0.2 T__ 22.0 --- ML 1.5 1201989 FDSN CZ -- BUD iLoc HHZ HHZ _
KRUC 1.24 11.4 Sn 09:16:54.522 -0.9 T__ --- 1201985 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
VRAC 1.51 14.3 Sn 09:17:03.300 1.2 T__ --- 1201990 FDSN CZ -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/04 11:09:25.30 1.00 1.24 48.6966 21.7090 21.0 4.0 150 0.0f 11 6 161 0.44 0.98 sx BUD 19003946 BUD 322

```

Magnitude Err Nsta Author OrigID  
 ML 2.4 0.5 4 BUD 19003946

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOLS	0.44	57.4	Pg	11:09:34.071	0.1					T__						1202040	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.44	57.4	Lg	11:09:41.302	-0.1					T__						1202039	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ABAH	0.51	218.1	Lg	11:09:45.027	0.8					T__						1202038	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KECS	0.84	255.7	Pg	11:09:42.945	0.9					T__		1618.7			ML	3.2	1202037	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.84	255.7	Lg	11:09:53.353	-1.1					T__						1202036	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 3.2 magdef=1)																									
(Station ML: 3.2 magdef=1)																									
CP16A	0.85	245.9	Pg	11:09:42.398	0.0					T__		383.9			ML	2.6	1202035	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.85	245.9	Lg	11:09:54.449	-0.6					T__						1202041	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.6 magdef=1)																									
(Station ML: 2.6 magdef=1)																									
CP17A	0.93	239.5	Pg	11:09:44.589	0.6					T__		157.9			ML	2.2	1202034	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.93	239.5	Lg	11:09:56.567	-1.3					T__						1202042	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
HU02A	0.98	234.4	Pn	11:09:45.465	0.2					T__		68.1			ML	1.9	1202033	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.98	234.4	Lg	11:09:57.589	-2.6					T__						1202043	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/08/04 13:16:15.34 2.04 0.74 47.8826 20.1034 19.9 3.5 161 0.0f 10 6 224 0.15 0.65 sx BUD 19003948 BUD 234

Magnitude Err Nsta Author OrigID  
 ML 1.5 0.4 4 BUD 19003948

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.15	284.4	Pg	13:16:18.971	-0.1					T__		438.3			ML	1.3	1202625	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.15	284.4	Lg	13:16:22.075	-0.1					T__						1202628	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
HU03A	0.34	273.8	Lg	13:16:28.589	0.3					T__						1202629	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.37	49.6	Pg	13:16:23.627	0.2					T__		55.3			ML	1.1	1202626	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.37	49.6	Lg	13:16:28.265	-1.5					T__						1202630	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
CP17A	0.43	38.9	Pg	13:16:24.832	0.5					T__		116.1			ML	1.6	1202627	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.43	38.9	Lg	13:16:30.785	-0.4					T__						1202631	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
CP16A	0.54	32.3	Pg	13:16:27.263	0.8					T__		121.0			ML	1.9	1202633	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.54	32.3	Lg	13:16:34.713	-0.1					T__						1202632	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
KECS	0.65	22.9	Lg	13:16:37.909	-0.6					T__						1202634	FDSN	SK	--	BUD	iLoc	EHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/05	12:18:04.18	1.12	0.47	47.7769	16.2056	11.5	4.2	41	9.0f	5	3	198	0.10	0.70	ke	BUD	19003952	BUD				280

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
RONA	0.10	141.6	Pg	12:18:07.026	0.0					T__						1202990	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.10	141.6	Lg	12:18:09.048	0.0					T__						1202989	FDSN	OE	--	BUD	iLoc	HHN	???	_
CONA	0.28	303.3	Pg	12:18:10.390	0.3					T__		40.6				1202988	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.28	303.3	Lg	12:18:13.562	-0.6					T__						1202987	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 0.7 magdef=1)																								
(Station ML: 0.7 magdef=0)																								
ARSA	0.70	221.5	Lg	12:18:26.657	-0.1					T__						1202991	FDSN	OE	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/06	01:36:36.74	3.48	1.25	48.6168	22.9614	28.0	7.2	80	10.0f	8	5	265	0.55	1.70	ke	BUD	19003958	BUD				315

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
KOLS	0.55	305.1	Pg	01:36:47.693	0.2					T__						1211915	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	0.55	305.1	Lg	01:36:55.230	-1.1					T__						1211916	FDSN	SK	--	BUD	iLoc	HHN	???	_
TRPA	0.56	210.2	Pg	01:36:47.905	0.1					T__		37.2				1211918	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.56	210.2	Lg	01:36:55.400	-1.2					T__						1211917	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.4 magdef=1)																								
(Station ML: 1.4 magdef=0)																								
HU07A	0.95	228.1	Lg	01:37:09.482	0.6					T__						1211919	FDSN	Z6	00	BUD	iLoc	HHN	???	_
ABAH	1.19	255.0	Pg	01:37:00.553	1.1					T__		21.6				1211914	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	1.19	255.0	Sn	01:37:14.606	-1.4					T__						1211913	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.5 magdef=1)																								
(Station ML: 1.5 magdef=0)																								
HU02A	1.70	254.0	Sn	01:37:29.812	1.3					T__						1211920	FDSN	Z6	00	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/06	15:11:27.39	2.99	1.29	45.6912	16.0025	22.7	7.0	149	10.0f	9	5	227	0.14	1.01	ke	BUD	19003966	BUD				291

Magnitude	Err	Nsta	Author	OrigID
ML	1.2	0.5	4 BUD	19003966

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
ZAG	0.14	355.4	Pg	15:11:30.149	-0.6					T__		485.3				1214472	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.14	355.4	Lg	15:11:34.024	0.9					T__						1214473	FDSN	CR	--	BUD	iLoc	BHN	???	_
(Reading ML: 1.4 magdef=1)																								
(Station ML: 1.4 magdef=1)																								
PTJ	0.22	353.6	Pg	15:11:31.256	-1.1					T__		60.6				1214475	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.22	353.6	Lg	15:11:35.876	-0.3					T__						1214474	FDSN	CR	--	BUD	iLoc	BHN	???	_
(Reading ML: 0.7 magdef=1)																								
(Station ML: 0.7 magdef=1)																								
CRES	0.41	289.6	Pg	15:11:35.131	-0.3					T__		34.4				1214476	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.41	289.6	Lg	15:11:42.540	1.0					T__						1214477	FDSN	SL	--	BUD	iLoc	BHN	???	_



```

(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=1
KOGS 0.78 12.7 Pg 15:11:42.881 0.6 T__ 94.1 ___ ML 1.9 1214479 FDSN SL -- BUD iLoc BHZ BHZ _
KOGS 0.78 12.7 Lg 15:11:54.762 2.0 T__ ___ 1214478 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
A264A 1.01 62.0 Sn 15:11:59.847 -1.4 T__ ___ 1214480 FDSN Z6 00 BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/07 08:59:16.84 1.44 1.27 48.5919 20.7973 9.2 4.2 176 0.0f 13 7 187 0.23 1.25 sx BUD 19003968 BUD 228

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```

Magnitude Err Nsta Author OrigID
ML 1.3 0.1 5 BUD 19003968

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
KECS 0.23 242.4 Pg 08:59:21.491 -0.2 T__ 959.0 ___ ML 1.9 1215849 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.23 242.4 Lg 08:59:25.489 -0.0 T__ ___ 1215848 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=0
CP16A 0.30 214.5 Pg 08:59:24.047 1.0 T__ 151.8 ___ ML 1.3 1215847 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP16A 0.30 214.5 Lg 08:59:28.037 0.2 T__ ___ 1215850 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
ABAH 0.42 135.0 Pg 08:59:25.722 0.3 T__ 62.4 ___ ML 1.3 1215852 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.42 135.0 Lg 08:59:31.391 -1.3 T__ ___ 1215851 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
CP17A 0.42 207.2 Pg 08:59:25.380 -0.1 T__ 177.0 ___ ML 1.7 1215846 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP17A 0.42 207.2 Lg 08:59:31.497 -0.4 T__ ___ 1215853 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
HU02A 0.50 201.2 Pg 08:59:27.589 0.1 T__ 30.9 ___ ML 1.2 1215845 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.50 201.2 Lg 08:59:34.108 -1.5 T__ ___ 1215854 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=0
KOLS 1.03 70.2 Pn 08:59:40.759 3.0 T__ ___ 1215855 FDSN SK -- BUD iLoc HHZ ??? _
KOLS 1.03 70.2 Lg 08:59:52.007 -0.6 T__ ___ 1215856 FDSN SK -- BUD iLoc HHN ??? _
TRPA 1.25 111.0 Sn 08:59:58.171 -1.3 T__ ___ 1215857 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/08 01:10:33.70 1.17 0.35 47.7700 16.1904 8.8 3.9 26 8.1 12.0 9 5 103 0.10 1.30 ke BUD 19003976 BUD 171

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```

Magnitude Err Nsta Author OrigID
ML 0.6 0.2 3 BUD 19003976

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```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
RONA 0.10 134.5 Pg 01:10:36.399 -0.0 T__ ___ 1216335 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.10 134.5 Lg 01:10:38.353 -0.1 T__ ___ 1216334 FDSN OE -- BUD iLoc HHN ??? _
SOP 0.26 109.1 Pg 01:10:39.175 -0.1 T__ 26.3 ___ ML 0.5 1216340 FDSN HU -- BUD iLoc HHZ HHZ _
SOP 0.26 109.1 Lg 01:10:43.411 0.3 T__ ___ 1216336 FDSN HU -- BUD iLoc HHN ??? _

```

```

(Reading ML: 0.5 magdef=1
(Station ML: 0.5 magdef=1
CONA 0.27 305.7 Pg 01:10:39.595 0.1 T__ 32.4 ___ ML 0.6 1216332 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.27 305.7 Lg 01:10:43.283 -0.2 T__ ___ 1216333 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 0.6 magdef=1
(Station ML: 0.6 magdef=1
ARSA 0.69 221.3 Lg 01:10:55.900 0.1 T__ ___ 1216337 FDSN OE -- BUD iLoc HHN ??? _
KRUC 1.30 5.9 Pn 01:10:57.151 -0.4 T__ ___ ML 1.7 1216338 FDSN CZ -- BUD iLoc HHZ HHZ _
KRUC 1.30 5.9 Sn 01:11:14.534 -0.5 T__ ___ 1216339 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/08 05:53:55.87 1.09 0.71 47.3231 18.3170 6.8 4.1 77 0.0f 11 8 103 0.06 1.24 sx BUD 19003980 BUD 155

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```

Magnitude Err Nsta Author OrigID
ML 1.6 0.2 3 BUD 19003980

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CSKK 0.06 316.2 Pg 05:53:57.671 0.0 T__ 2018.0 ___ ML 1.8 1216419 FDSN HU -- BUD iLoc HHZ HHZ _
CSKK 0.06 316.2 Lg 05:53:58.603 -1.0 T__ ___ 1216420 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
HU08A 0.29 292.2 Pg 05:54:03.031 0.9 T__ 140.1 ___ ML 1.2 1216421 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU08A 0.29 292.2 Lg 05:54:06.618 -0.8 T__ ___ 1216427 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
HU09A 0.32 8.0 Lg 05:54:08.692 0.1 T__ ___ 1216428 FDSN Z6 00 BUD iLoc HHN ??? _
A267A 0.39 163.3 Lg 05:54:10.283 -0.6 T__ ___ 1216429 FDSN Z6 00 BUD iLoc HHN ??? _
MPLH 0.55 254.2 Pg 05:54:07.796 0.5 T__ 68.5 ___ ML 1.6 1216423 FDSN HU -- BUD iLoc HHZ HHZ _
MPLH 0.55 254.2 Lg 05:54:15.173 -0.7 T__ ___ 1216422 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
MORH 1.13 168.4 Lg 05:54:34.309 -0.4 T__ ___ 1216425 FDSN HU -- BUD iLoc HHN ??? _
PSZ 1.22 60.3 Sn 05:54:38.399 0.4 T__ ___ 1216424 FDSN GE -- BUD iLoc HHN ??? _
KOVH 1.24 187.0 Sn 05:54:38.180 0.5 T__ ___ 1216426 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/08 06:46:58.49 1.35 1.80 48.4914 17.5284 11.4 3.6 122 0.0f 8 5 212 0.20 1.25 sx BUD 19003982 BUD 278

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Magnitude Err Nsta Author OrigID

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```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
MODS 0.20 234.9 Pg 06:47:02.811 -0.4 T__ ___ 1216452 FDSN SK -- BUD iLoc HHZ ??? _
MODS 0.20 234.9 Lg 06:47:04.710 -2.3 T__ ___ 1216453 FDSN SK -- BUD iLoc HHN ??? _
JAVC 0.38 14.3 Pg 06:47:06.865 0.2 T__ 46.4 ___ ML 1.0 1216455 FDSN CZ -- BUD iLoc HHZ HHZ _
JAVC 0.38 14.3 Lg 06:47:11.758 -1.3 T__ ___ 1216454 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=1
KRUC 0.94 307.7 Pg 06:47:17.601 1.1 T__ 47.0 ___ ML 1.7 1216456 FDSN CZ -- BUD iLoc HHZ HHZ _

```

KRUC	0.94	307.7	Lg	06:47:29.470	-1.0	T__	---	1216457	FDSN	CZ	--	BUD	iLoc	HNN	???	_
(Reading ML: 1.7 magdef=1)																
(Station ML: 1.7 magdef=1)																
RONA	1.14	226.6	Lg	06:47:38.234	2.2	T__	---	1216458	FDSN	OE	--	BUD	iLoc	HNN	???	_
CONA	1.25	243.8	Lg	06:47:40.572	1.4	T__	---	1216459	FDSN	OE	--	BUD	iLoc	HNN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/08	07:28:22.06	2.28	0.58	48.4882	19.3673	12.2	6.6	104	0.0f	9	8	127	0.61	1.40	sx	BUD	19003984	BUD				228

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
HU03A	0.61	165.0	Lg	07:28:44.260	0.4					T__						1216483	FDSN	Z6	00	BUD	iLoc	HNN	???	_		
PSZ	0.67	148.1	Lg	07:28:46.524	-0.2					T__						1216482	FDSN	GE	--	BUD	iLoc	HNN	???	_		
KECS	0.74	90.0	Lg	07:28:48.602	0.5					T__						1216484	FDSN	SK	--	BUD	iLoc	EHN	???	_		
CP16A	0.79	100.2	Lg	07:28:49.579	-0.3					T__						1216485	FDSN	Z6	00	BUD	iLoc	HNN	???	_		
CP17A	0.81	109.0	Lg	07:28:51.267	0.7					T__						1216486	FDSN	Z6	00	BUD	iLoc	HNN	???	_		
HU02A	0.86	114.9	Pg	07:28:39.513	-0.2					T__		30.5		---	ML	1.5	1216481	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU02A	0.86	114.9	Lg	07:28:52.148	-0.8					T__						1216480	FDSN	Z6	00	BUD	iLoc	HNN	???	_		
(Reading ML: 1.5 magdef=1)																										
(Station ML: 1.5 magdef=0)																										
NIE	1.12	33.1	Lg	07:28:59.359	0.0					T__						1216487	FDSN	PL	--	BUD	iLoc	BHN	???	_		
MODS	1.40	266.1	Sn	07:29:08.167	-0.5					T__						1216488	FDSN	SK	--	BUD	iLoc	HNN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/08/08	08:22:00.08	1.88	0.91	48.6029	20.8014	12.1	4.6	1	0.0f	13	7	231	0.24	1.25	sx	BUD	19003988	BUD					255

Magnitude Err Nsta Author OrigID  
ML 1.5 0.1 6 BUD 19003988

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
KECS	0.24	240.4	Pg	08:22:05.039	-0.1					T__		1025.8		---	ML	2.0	1216549	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_	
KECS	0.24	240.4	Lg	08:22:09.093	0.1					T__						1216553	FDSN	SK	--	BUD	iLoc	EHN	???	_		
(Reading ML: 2.0 magdef=1)																										
(Station ML: 2.0 magdef=0)																										
CP16A	0.31	213.8	Pg	08:22:07.668	1.2					T__		172.0		---	ML	1.4	1216548	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
CP16A	0.31	213.8	Lg	08:22:12.379	1.0					T__						1216554	FDSN	Z6	00	BUD	iLoc	HNN	???	_		
(Reading ML: 1.4 magdef=1)																										
(Station ML: 1.4 magdef=1)																										
ABAH	0.42	136.3	Pg	08:22:09.202	0.4					T__		46.3		---	ML	1.1	1216551	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ABAH	0.42	136.3	Lg	08:22:15.173	-0.9					T__						1216550	FDSN	HU	--	BUD	iLoc	HNN	???	_		
(Reading ML: 1.1 magdef=1)																										
(Station ML: 1.1 magdef=0)																										
CP17A	0.43	206.9	Pg	08:22:09.020	0.1					T__		110.4		---	ML	1.5	1216547	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
CP17A	0.43	206.9	Lg	08:22:15.410	-0.1					T__						1216546	FDSN	Z6	00	BUD	iLoc	HNN	???	_		
(Reading ML: 1.5 magdef=1)																										
(Station ML: 1.5 magdef=1)																										
HU02A	0.52	201.1	Pg	08:22:10.508	-0.4					T__		30.8		---	ML	1.2	1216545	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU02A	0.52	201.1	Lg	08:22:17.337	-1.9					T__						1216555	FDSN	Z6	00	BUD	iLoc	HNN	???	_		
(Reading ML: 1.2 magdef=1)																										

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(Station ML: 1.2 magdef=1
PSZ 0.91 221.8 Pn 08:22:19.026 -0.2 T__ 36.9 ___ ML 1.6 1216552 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.91 221.8 Lg 08:22:31.990 -1.0 T__ ___ 1216556 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
TRPA 1.25 111.5 Sn 08:22:42.469 -0.3 T__ ___ 1216557 FDSN HU -- BUD iLoc HHN ??? _

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/08	08:47:49.79	1.01	0.74	47.9099	16.0778	6.8	4.1	21	0.0f		8	6	92	0.15	1.44	sx	BUD	19003990	BUD			160

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
CONA	0.15	277.3	Pg	08:47:53.057	0.1					T__		276.4		___	ML	1.1	1216585	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_	
CONA	0.15	277.3	Lg	08:47:54.554	-0.7					T__				___		1216586	FDSN	OE	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.1 magdef=1)																										
(Station ML: 1.1 magdef=0)																										
RONA	0.26	144.9	Pg	08:47:55.072	-0.1					T__				___		1216588	FDSN	OE	--	BUD	iLoc	HHZ	???	_		
RONA	0.26	144.9	Lg	08:47:58.687	-0.2					T__				___		1216587	FDSN	OE	--	BUD	iLoc	HHN	???	_		
ARSA	0.76	209.8	Lg	08:48:14.666	0.7					T__				___		1216589	FDSN	OE	--	BUD	iLoc	HHN	???	_		
MODS	0.93	59.5	Lg	08:48:23.154	0.2					T__				___		1216590	FDSN	SK	--	BUD	iLoc	HHN	???	_		
KRUC	1.17	10.3	Sn	08:48:30.737	1.1					T__				___		1216591	FDSN	CZ	--	BUD	iLoc	HHN	???	_		
VRAC	1.44	13.5	Sn	08:48:36.914	0.7					T__				___		1216592	FDSN	CZ	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/08	09:58:10.47	1.01	0.59	47.9504	16.0262	6.8	4.1	8	0.0f		7	5	114	0.11	1.41	sx	BUD	19003992	BUD			228

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
CONA	0.11	258.7	Pg	09:58:13.311	0.3					T__		149.5		___	ML	0.8	1216611	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_	
CONA	0.11	258.7	Lg	09:58:14.096	-0.7					T__				___		1216612	FDSN	OE	--	BUD	iLoc	HHN	???	_		
(Reading ML: 0.8 magdef=1)																										
(Station ML: 0.8 magdef=0)																										
RONA	0.31	143.9	Pg	09:58:16.825	-0.1					T__				___		1216609	FDSN	OE	--	BUD	iLoc	HHZ	???	_		
RONA	0.31	143.9	Lg	09:58:21.427	0.1					T__				___		1216610	FDSN	OE	--	BUD	iLoc	HHN	???	_		
MODS	0.94	62.7	Lg	09:58:44.065	0.1					T__				___		1216613	FDSN	SK	--	BUD	iLoc	HHN	???	_		
KRUC	1.14	12.3	Lg	09:58:48.624	-0.5					T__				___		1216614	FDSN	CZ	--	BUD	iLoc	HHN	???	_		
VRAC	1.41	15.3	Sn	09:58:56.836	0.7					T__				___		1216615	FDSN	CZ	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/08	10:08:50.44	2.10	2.74	46.2979	21.7138	23.1	6.4	117	0.0f		6	3	228	0.68	1.17	sx	BUD	19003994	BUD			314

Magnitude Err Nsta Author OrigID  
ML 1.5 0.4 3 BUD 19003994

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
BZS	0.68	185.7	Pg	10:09:04.458	0.6					T__		23.0		___	ML	1.2	1216635	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.68	185.7	Lg	10:09:11.834	-1.8					T__				___		1216637	FDSN	RO	--	BUD	iLoc	HHN	???	_	

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(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
DRGR 0.85 54.0 Pg 10:09:08.088 0.7 T__ 37.0 ___ ML 1.5 1216633 FDSN RO -- BUD iLoc HHZ HHZ _
DRGR 0.85 54.0 Lg 10:09:16.488 -4.0 T__ ___ 1216638 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
GZR 1.17 140.2 Pn 10:09:15.009 1.5 T__ 62.4 ___ ML 1.9 1216634 FDSN RO -- BUD iLoc HHZ HHZ _
GZR 1.17 140.2 Lg 10:09:29.506 0.5 T__ ___ 1216636 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1

```

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/08	10:17:27.48	1.76	0.99	48.3123	19.9251	11.9	4.7	128	0.0f		9	6	242	0.39	0.88	sx	BUD	19003996	BUD			310

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Magnitude Err Nsta Author OrigID
ML 1.3 0.1 3 BUD 19003996

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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
PSZ	0.39	183.0	Pg	10:17:36.456	0.2					T__		80.0		___	ML	1.3 1216663	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.39	183.0	Lg	10:17:42.235	-0.5					T__				___		1216669	FDSN	GE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.3 magdef=1 (Station ML: 1.3 magdef=1																								
CP17A	0.40	103.2	Lg	10:17:42.709	0.7					T__				___		1216668	FDSN	Z6	00	BUD	iLoc	HHN	???	_
KECS	0.41	65.2	Pg	10:17:36.236	0.4					T__		84.5		___	ML	1.4 1216665	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.41	65.2	Lg	10:17:41.339	-0.9					T__				___		1216666	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Reading ML: 1.4 magdef=1 (Station ML: 1.4 magdef=1																								
CP16A	0.41	85.6	Lg	10:17:42.048	-0.2					T__				___		1216667	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU02A	0.44	115.2	Pg	10:17:37.747	0.8					T__		35.7		___	ML	1.1 1216664	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.44	115.2	Lg	10:17:42.933	-1.3					T__				___		1216670	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.1 magdef=1 (Station ML: 1.1 magdef=1																								
ABAH	0.88	90.6	Lg	10:17:57.350	-1.4					T__				___		1216671	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/08	10:21:33.46	2.68	1.12	48.5506	20.3353	16.2	6.1	157	0.0f		10	6	267	0.12	0.70	sx	BUD	19003998	BUD			309

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Magnitude Err Nsta Author OrigID
ML 1.4 0.3 4 BUD 19003998

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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
KECS	0.12	124.0	Pg	10:21:36.618	0.5					T__		782.4		___	ML	1.5 1216698	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.12	124.0	Lg	10:21:36.847	-1.4					T__				___		1216699	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Reading ML: 1.5 magdef=1 (Station ML: 1.5 magdef=1																								
CP16A	0.25	146.8	Pg	10:21:39.659	1.0					T__		225.2		___	ML	1.3 1216701	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.25	146.8	Lg	10:21:43.000	0.4					T__				___		1216700	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.3 magdef=1 (Station ML: 1.3 magdef=1																								
CP17A	0.35	160.5	Pg	10:21:41.576	0.8					T__		75.7		___	ML	1.2 1216702	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_

CP17A 0.35 160.5 Lg 10:21:45.922 -0.3 T\_\_ --- 1216703 FDSN Z6 00 BUD iLoc HHN ??? \_  
 (Reading ML: 1.2 magdef=1  
 (Station ML: 1.2 magdef=1  
 HU02A 0.45 163.5 Lg 10:21:48.825 -1.4 T\_\_ --- 1216704 FDSN Z6 00 BUD iLoc HHN ??? \_  
 ABAH 0.65 112.6 Lg 10:21:56.097 -1.4 T\_\_ --- 1216707 FDSN HU -- BUD iLoc HHN ??? \_  
 PSZ 0.70 205.1 Pg 10:21:47.948 -0.4 T\_\_ 65.7 --- ML 1.7 1216706 FDSN GE -- BUD iLoc HHZ HHZ \_  
 PSZ 0.70 205.1 Lg 10:21:58.320 -0.7 T\_\_ --- 1216705 FDSN GE -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.7 magdef=1  
 (Station ML: 1.7 magdef=1

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/08/08 10:38:44.31 1.48 1.15 48.8868 19.8341 13.3 4.4 85 0.0f 12 8 120 0.59 1.43 sx BUD 19004000 BUD 212

Magnitude Err Nsta Author OrigID  
 ML 1.7 0.4 4 BUD 19004000

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L  
 KECS 0.59 132.9 Pg 10:38:57.437 1.3 T\_\_ 101.3 --- ML 1.8 1216745 FDSN SK -- BUD iLoc EHZ EHZ \_  
 KECS 0.59 132.9 Lg 10:39:04.402 -0.6 T\_\_ --- 1216739 FDSN SK -- BUD iLoc EHN ??? \_  
 (Reading ML: 1.8 magdef=1  
 (Station ML: 1.8 magdef=1  
 NIE 0.61 29.7 Pg 10:38:56.650 0.7 T\_\_ 26.7 --- ML 1.3 1216744 FDSN PL -- BUD iLoc BHZ BHZ \_  
 NIE 0.61 29.7 Lg 10:39:03.200 -1.5 T\_\_ --- 1216741 FDSN PL -- BUD iLoc BHN ??? \_  
 (Reading ML: 1.3 magdef=1  
 (Station ML: 1.3 magdef=1  
 CP16A 0.72 139.1 Lg 10:39:09.327 -0.0 T\_\_ --- 1216746 FDSN Z6 00 BUD iLoc HHN ??? \_  
 CP17A 0.81 145.8 Lg 10:39:12.575 0.1 T\_\_ --- 1216743 FDSN Z6 00 BUD iLoc HHN ??? \_  
 HU02A 0.89 148.8 Pg 10:39:01.280 -1.4 T\_\_ 165.4 --- ML 2.2 1216738 FDSN Z6 00 BUD iLoc HHZ HHZ \_  
 HU02A 0.89 148.8 Lg 10:39:15.121 -1.2 T\_\_ --- 1216747 FDSN Z6 00 BUD iLoc HHN ??? \_  
 (Reading ML: 2.2 magdef=1  
 (Station ML: 2.2 magdef=1  
 PSZ 0.97 177.6 Pn 10:39:04.871 0.4 T\_\_ 35.4 --- ML 1.6 1216740 FDSN GE -- BUD iLoc HHZ HHZ \_  
 PSZ 0.97 177.6 Lg 10:39:18.712 -0.3 T\_\_ --- 1216748 FDSN GE -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.6 magdef=1  
 (Station ML: 1.6 magdef=1  
 ABAH 1.10 121.8 Lg 10:39:20.538 -1.6 T\_\_ --- 1216742 FDSN HU -- BUD iLoc HHN ??? \_  
 JAVC 1.43 269.7 Sn 10:39:31.674 -1.0 T\_\_ --- 1216749 FDSN CZ -- BUD iLoc HHN ??? \_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/08/08 11:11:22.61 1.01 1.25 47.9005 16.0616 8.8 4.0 25 0.0f 6 4 140 0.14 1.18 sx BUD 19004002 BUD 228

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L  
 CONA 0.14 281.7 Pg 11:11:25.343 -0.2 T\_\_ 49.4 --- ML 0.4 1216795 FDSN OE -- BUD iLoc HHZ HHZ \_  
 CONA 0.14 281.7 Lg 11:11:28.528 0.8 T\_\_ --- 1216797 FDSN OE -- BUD iLoc HHN ??? \_  
 (Reading ML: 0.4 magdef=1  
 (Station ML: 0.4 magdef=0  
 RONA 0.26 141.7 Pg 11:11:28.374 0.4 T\_\_ --- 1216796 FDSN OE -- BUD iLoc HHZ ??? \_  
 RONA 0.26 141.7 Lg 11:11:30.792 -0.9 T\_\_ --- 1216798 FDSN OE -- BUD iLoc HHN ??? \_

MODS	0.94	59.4	Lg	11:11:56.282	0.0					T__						1216799	FDSN	SK	--	BUD	iLoc	HNN	???	_
KRUC	1.18	10.7	Sn	11:12:00.956	-1.7					T__						1216800	FDSN	CZ	--	BUD	iLoc	HNN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/08	11:12:00.02	0.96	0.47	47.8742	16.0704	6.2	3.9	31	0.0f		8	5	80	0.15	1.21	sx	BUD	19004004	BUD			159

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.15	291.1	Pg	11:12:03.081	-0.2					T__		160.8			ML	0.9	1216819	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.15	291.1	Lg	11:12:05.455	-0.1					T__						1216820	FDSN	OE	--	BUD	iLoc	HNN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
RONA	0.23	138.8	Pg	11:12:04.615	-0.3					T__						1216821	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.23	138.8	Lg	11:12:08.449	0.1					T__						1216822	FDSN	OE	--	BUD	iLoc	HNN	???	_	
ARSA	0.73	210.9	Lg	11:12:23.970	0.8					T__						1216823	FDSN	OE	--	BUD	iLoc	HNN	???	_	
MODS	0.95	57.8	Lg	11:12:34.414	0.4					T__						1216824	FDSN	SK	--	BUD	iLoc	HNN	???	_	
KRUC	1.21	10.2	Pg	11:12:23.276	0.1					T__		27.8			ML	1.6	1216826	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.21	10.2	Sn	11:12:40.257	-0.4					T__						1216825	FDSN	CZ	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/08	14:22:34.45	1.90	1.01	47.4879	16.3452	12.9	6.3	138	0.0f		7	5	210	0.21	1.09	sx	BUD	19004006	BUD			287

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.21	351.1	Pg	14:22:39.513	0.4					T__						1216873	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.21	351.1	Lg	14:22:41.528	-0.8					T__						1216875	FDSN	OE	--	BUD	iLoc	HNN	???	_	
SOP	0.24	36.3	Lg	14:22:42.842	-0.5					T__						1216876	FDSN	HU	--	BUD	iLoc	HNN	???	_	
CONA	0.55	323.6	Pg	14:22:46.232	0.8					T__		39.9			ML	1.4	1216872	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.55	323.6	Lg	14:22:52.264	-0.5					T__						1216877	FDSN	OE	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=0)																									
ARSA	0.61	247.3	Lg	14:22:53.171	-0.7					T__						1216874	FDSN	OE	--	BUD	iLoc	HNN	???	_	
MODS	1.09	34.9	Sn	14:23:11.350	-1.2					T__						1216878	FDSN	SK	--	BUD	iLoc	HNN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/09	06:14:00.86	1.05	0.50	46.0644	22.8605	11.4	4.4	81	0.0f		8	5	141	0.18	0.98	sx	BUD	19004010	BUD			250

Magnitude Err Nsta Author OrigID  
ML 1.7 0.0 3 BUD 19004010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DEV	0.18	170.6	Pg	06:14:04.300	-0.1					T__		839.4			ML	1.7	1219232	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.18	170.6	Lg	06:14:06.898	-0.0					T__						1219233	FDSN	RO	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									

GZR	0.67	185.0	Pg	06:14:13.934	0.1	T__	69.9	___	ML	1.7	1219235	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	0.67	185.0	Lg	06:14:23.004	-0.3	T__		---			1219234	FDSN	RO	--	BUD	iLoc	HNN	???	_
(Reading ML: 1.7 magdef=1)																			
(Station ML: 1.7 magdef=1)																			
DRGR	0.73	352.0	Pg	06:14:15.839	0.2	T__	44.5	___	ML	1.6	1219238	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	0.73	352.0	Lg	06:14:26.698	-0.9	T__		---			1219237	FDSN	RO	--	BUD	iLoc	HHE	???	_
(Reading ML: 1.6 magdef=1)																			
(Station ML: 1.6 magdef=1)																			
LOT	0.89	133.8	Lg	06:14:31.410	0.6	T__		---			1219236	FDSN	RO	--	BUD	iLoc	HNN	???	_
BZS	0.98	243.2	Lg	06:14:33.840	0.2	T__		---			1219239	FDSN	RO	--	BUD	iLoc	HNN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/09	06:56:36.13	0.98	0.84	46.8681	17.3833	5.6	3.6	45	0.0f		9	6	150	0.09	0.92	sx	BUD	19004012	BUD			232
2023/08/09	06:56:35.96	0.94	1.55	46.8902	17.3220f				0.0f		9	6	151	0.13	0.97	kx	BUD_GT	19004013	BUD_GT			241
(locality: Uzsa Hungary)																						
(GT info : GT2 explosion)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.0	3 BUD_GT	19004013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
BADH	0.13	129.3	Pg	06:56:38.831	-0.4					T__		653.6		---	ML	1.5	1219271	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BADH	0.13	129.3	Lg	06:56:40.789	-1.2					T__				---		1219270	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
A261A	0.13	297.5	Pg	06:56:40.645	1.3					T__	5108.9		---	ML	2.4	1219264	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
A261A	0.13	297.5	Lg	06:56:43.489	1.4					T__			---			1219266	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=1)																									
MPLH	0.32	27.9	Pg	06:56:42.987	0.1					T__	195.3		---	ML	1.5	1219265	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
MPLH	0.32	27.9	Lg	06:56:48.625	0.3					T__			---			1219272	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
TIH	0.39	88.4	Lg	06:56:49.902	-0.7					T__			---			1219267	FDSN	HU	--	BUD	iLoc	HNN	???	_	
HU08A	0.68	37.0	Lg	06:57:00.804	-0.1					T__			---			1219268	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
KOVH	0.97	145.9	Lg	06:57:05.573	-3.6					T__			---			1219269	FDSN	HU	--	BUD	iLoc	HNN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/08/09	07:25:53.06	1.39	1.19	46.0854	22.8835	9.9	7.6	80	0.0f		8	5	144	0.20	1.00	sx	BUD	19004014	BUD				252

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.0	3 BUD	19004014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
DEV	0.20	176.1	Pg	07:25:56.891	-0.0					T__		793.7		---	ML	1.8	1219296	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.20	176.1	Lg	07:25:58.488	-1.3					T__			---			1219297	FDSN	RO	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
GZR	0.70	186.2	Pg	07:26:07.079	0.7					T__	65.2		---	ML	1.7	1219299	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_	
GZR	0.70	186.2	Lg	07:26:16.053	-0.2					T__			---			1219298	FDSN	RO	--	BUD	iLoc	HNN	???	_	



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(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
DRGR 0.72 350.5 Lg 07:26:17.565 -1.6 T__ --- 1219303 FDSN RO -- BUD iLoc HHN ??? _
LOT 0.89 135.5 Pg 07:26:11.348 1.2 T__ 48.4 --- ML 1.7 1219301 FDSN RO -- BUD iLoc HHZ HHZ _
LOT 0.89 135.5 Lg 07:26:22.420 -0.7 T__ --- 1219300 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
BZS 1.00 242.6 Lg 07:26:27.359 0.7 T__ --- 1219302 FDSN RO -- BUD iLoc HHN ??? _

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/09	08:35:30.06	0.97	0.91	46.8449	17.3610	4.8	4.3	155	0.0f	11	9	74	0.09	0.91	sx	BUD	19004016	BUD				137

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
BADH	0.09	117.3	Lg	08:35:34.917	0.3					T__						1219347	FDSN	HU	--	BUD	iLoc	HHN	???	_		
A261A	0.18	306.4	Pg	08:35:34.917	0.6					T__		6275.6			ML	2.6	1219350	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
A261A	0.18	306.4	Lg	08:35:37.046	-0.6					T__						1219349	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 2.6 magdef=1 (Station ML: 2.6 magdef=1																										
A263A	0.21	188.8	Lg	08:35:37.132	-1.3					T__						1219348	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
MPLH	0.35	20.5	Pg	08:35:38.154	0.6					T__		384.3			ML	1.9	1219352	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
MPLH	0.35	20.5	Lg	08:35:43.178	-0.3					T__						1219351	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.9 magdef=1 (Station ML: 1.9 magdef=1																										
TIH	0.37	81.2	Lg	08:35:43.945	-0.0					T__						1219353	FDSN	HU	--	BUD	iLoc	HHN	???	_		
HU08A	0.70	33.0	Lg	08:35:54.676	-1.1					T__						1219354	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
CSKK	0.80	49.5	Lg	08:35:58.168	-1.5					T__						1219356	FDSN	HU	--	BUD	iLoc	HHN	???	_		
KOGS	0.86	243.0	Lg	08:35:58.083	-0.3					T__						1219355	FDSN	SL	--	BUD	iLoc	BHN	???	_		
KOVH	0.91	145.7	Lg	08:36:00.808	-0.3					T__						1219357	FDSN	HU	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/09	08:40:09.51	3.42	1.48	48.6272	20.3591	19.5	9.0	160	0.0f	9	7	275	0.17	0.77	sx	BUD	19004018	BUD				311

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
KECS	0.17	149.7	Pg	08:40:13.419	0.4					T__		1511.8			ML	1.9	1219383	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_	
KECS	0.17	149.7	Lg	08:40:15.516	-0.4					T__						1219384	FDSN	SK	--	BUD	iLoc	EHN	???	_		
(Reading ML: 1.9 magdef=1 (Station ML: 1.9 magdef=1																										
JOS	0.18	137.6	Lg	08:40:15.947	-0.3					T__						1219385	FDSN	Z6	--	BUD	iLoc	HHN	???	_		
CP16A	0.31	157.1	Lg	08:40:21.306	0.6					T__						1219388	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
CP17A	0.42	166.0	Lg	08:40:24.953	0.3					T__						1219382	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
HU02A	0.52	167.6	Pg	08:40:21.547	1.1					T__		26.2			ML	1.2	1219381	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU02A	0.52	167.6	Lg	08:40:27.338	-1.4					T__						1219380	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 1.2 magdef=1 (Station ML: 1.2 magdef=1																										
ABAH	0.67	119.2	Lg	08:40:31.958	-2.2					T__						1219386	FDSN	HU	--	BUD	iLoc	HHN	???	_		
PSZ	0.77	203.8	Lg	08:40:35.557	-2.1					T__						1219387	FDSN	GE	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/09	08:55:35.02	0.99	0.61	48.4183	20.7833	4.5	3.3	16	0.0f		13	7	176	0.18	0.78	sx	BUD	19004020	BUD			274

Magnitude	Err	Nsta	Author	OrigID
ML	1.1	0.2	6 BUD	19004020

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CP16A	0.18	244.9	Pg	08:55:39.453	0.6					T__		427.3		___	ML	1.4	1219421	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.18	244.9	Lg	08:55:41.859	0.1					T__				---		1219426	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
				(Reading ML: 1.4 magdef=1)																					
				(Station ML: 1.4 magdef=1)																					
JOS	0.18	295.6	Pg	08:55:38.857	0.0					T__		1.0		___	ML	-1.2	1219419	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.18	295.6	Lg	08:55:42.114	0.2					T__				---		1219420	FDSN	Z6	--	BUD	iLoc	HHE	???	_	
				(Reading ML: -1.2 magdef=1)																					
				(Station ML: -1.2 magdef=0)																					
KECS	0.21	288.2	Pg	08:55:39.559	0.1					T__		503.1		___	ML	1.6	1219418	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.21	288.2	Lg	08:55:42.487	-0.4					T__				---		1219425	FDSN	SK	--	BUD	iLoc	EHN	???	_	
				(Reading ML: 1.6 magdef=1)																					
				(Station ML: 1.6 magdef=0)																					
CP17A	0.27	222.5	Pg	08:55:40.858	0.2					T__		130.4		___	ML	1.2	1219422	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.27	222.5	Lg	08:55:44.993	-0.0					T__				---		1219427	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
				(Reading ML: 1.2 magdef=1)																					
				(Station ML: 1.2 magdef=1)																					
ABAH	0.33	111.7	Pg	08:55:42.349	0.4					T__		73.8		___	ML	1.1	1219424	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.33	111.7	Lg	08:55:46.987	-0.8					T__				---		1219428	FDSN	HU	--	BUD	iLoc	HNN	???	_	
				(Reading ML: 1.1 magdef=1)																					
				(Station ML: 1.1 magdef=1)																					
HU02A	0.34	210.3	Pg	08:55:42.583	0.1					T__		47.4		___	ML	0.9	1219423	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.34	210.3	Lg	08:55:47.652	-0.6					T__				---		1219429	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
				(Reading ML: 0.9 magdef=1)																					
				(Station ML: 0.9 magdef=1)																					
PSZ	0.78	230.3	Lg	08:56:01.989	-1.3					T__				---		1219430	FDSN	GE	--	BUD	iLoc	HNN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/09	11:02:54.04	2.62	1.29	48.3624	19.0241	16.0	5.3	146	0.0f		11	9	223	0.52	1.19	sx	BUD	19004024	BUD			238

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU10A	0.52	180.4	Lg	11:03:12.519	-0.8					T__				---		1220850	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
HU03A	0.60	139.8	Pg	11:03:07.409	0.8					T__		111.9		---	ML	1.9	1220852	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.60	139.8	Lg	11:03:15.500	-0.2					T__				---		1220851	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
				(Reading ML: 1.9 magdef=1)																					
				(Station ML: 1.9 magdef=1)																					
PSZ	0.73	127.0	Pg	11:03:10.645	1.0					T__		61.9		___	ML	1.7	1220855	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.73	127.0	Lg	11:03:19.843	-1.0					T__				---		1220854	FDSN	GE	--	BUD	iLoc	HNN	???	_	
				(Reading ML: 1.7 magdef=1)																					
				(Station ML: 1.7 magdef=1)																					
HU09A	0.84	211.0	Lg	11:03:23.676	-0.9					T__				---		1220853	FDSN	Z6	00	BUD	iLoc	HNN	???	_	

KECS	0.98	82.4	Lg	11:03:26.827	-1.5	T__	---	1220860	FDSN	SK	--	BUD	iLoc	EHN	???	_
CP17A	1.00	97.7	Lg	11:03:29.467	0.3	T__	---	1220859	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU02A	1.03	102.9	Lg	11:03:29.638	-1.2	T__	---	1220858	FDSN	Z6	00	BUD	iLoc	HHN	???	_
CSKK	1.12	207.5	Sn	11:03:31.426	-2.1	T__	---	1220856	FDSN	HU	--	BUD	iLoc	HHN	???	_
HU08A	1.19	218.9	Sn	11:03:34.237	-0.8	T__	---	1220857	FDSN	Z6	00	BUD	iLoc	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/10	00:01:27.74	0.78	0.79	48.1825	16.6733	4.2	2.8	128	10.0f	30	18	79	0.29	1.76	ke	BUD	19004032	BUD				105

Magnitude	Err	Nsta	Author	OrigID
ML	2.3	0.3	13 BUD	19004032

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
ZST	0.29	87.1	Pg	00:01:33.684	-0.2					T__						1221925	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.29	87.1	Lg	00:01:37.751	-0.9					T__						1221934	FDSN	SK	--	BUD	iLoc	HHN	???	_
MODS	0.45	64.4	Pg	00:01:36.580	-0.5					T__						1221926	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.45	64.4	Lg	00:01:43.372	-0.8					T__						1221935	FDSN	SK	--	BUD	iLoc	HHN	???	_
SOP	0.51	188.8	Pg	00:01:37.432	-0.6					T__		95.4				1221922	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.51	188.8	Lg	00:01:44.330	-0.6					T__						1221923	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1)																								
(Station ML: 1.7 magdef=0)																								
RONA	0.55	207.8	Pg	00:01:38.113	-0.7					T__						1221921	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.55	207.8	Lg	00:01:45.906	-0.3					T__						1221920	FDSN	OE	--	BUD	iLoc	HHN	???	_
CONA	0.60	245.3	Pg	00:01:39.476	-0.4					T__		165.3				1221918	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.60	245.3	Lg	00:01:47.737	-0.2					T__						1221919	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.1 magdef=1)																								
(Station ML: 2.1 magdef=1)																								
EGYH	0.89	149.7	Pn	00:01:46.811	1.5					T__		128.9				1221927	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.1 magdef=1)																								
(Station ML: 2.1 magdef=1)																								
KRUC	0.90	348.3	Pg	00:01:45.224	0.3					T__		803.6				1221928	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	0.90	348.3	Lg	00:01:57.212	-0.9					T__						1221937	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.9 magdef=1)																								
(Station ML: 2.9 magdef=0)																								
A260A	0.90	178.6	Pg	00:01:45.382	-0.1					T__		179.2				1221945	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A260A	0.90	178.6	Lg	00:01:57.510	0.1					T__						1221936	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.3 magdef=1)																								
(Station ML: 2.3 magdef=1)																								
JAVC	0.95	44.0	Pg	00:01:48.227	1.3					T__		635.8				1221932	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.8 magdef=1)																								
(Station ML: 2.8 magdef=1)																								
VRAC	1.13	357.3	Pn	00:01:48.780	-0.1					T__		239.7				1221931	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.5 magdef=1)																								
(Station ML: 2.5 magdef=1)																								
HU08A	1.13	131.3	Pg	00:01:49.775	0.0					T__		76.0				1221939	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU08A	1.13	131.3	Sn	00:02:04.508	-0.2					T__						1221938	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.0 magdef=1)																								
(Station ML: 2.0 magdef=1)																								
SRD	1.16	107.9	Pn	00:01:50.100	1.0					T__		312.4				1221933	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
SRD	1.16	107.9	Sn	00:02:05.686	0.1					T__						1221940	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Reading ML: 2.6 magdef=1)																								
(Station ML: 2.6 magdef=1)																								

MPLH	1.17	149.7	Pn	00:01:50.356	1.1	T__	48.8	___	ML	1.8	1221930	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	1.17	149.7	Sn	00:02:05.686	0.1	T__		---			1221941	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1)																			
(Station ML: 1.8 magdef=0)																			
ARSA	1.21	220.2	Pn	00:01:50.590	0.4	T__	137.6	___	ML	2.3	1221924	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.3 magdef=1)																			
(Station ML: 2.3 magdef=1)																			
HU09A	1.27	114.7	Sn	00:02:08.639	0.3	T__		---			1221942	FDSN	Z6	00	BUD	iLoc	HHN	???	_
A262A	1.32	184.3	Pg	00:01:53.569	0.3	T__	167.4	---	ML	2.5	1221946	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A262A	1.32	184.3	Lg	00:02:11.490	0.8	T__		---			1221943	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.5 magdef=1)																			
(Station ML: 2.5 magdef=1)																			
TREC	1.36	325.2	Pn	00:01:53.166	0.9	T__	1043.5	---	ML	3.3	1221929	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
TREC	1.36	325.2	Lg	00:02:11.478	-0.7	T__		---			1221947	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 3.3 magdef=1)																			
(Station ML: 3.3 magdef=0)																			
KOGS	1.76	189.6	Lg	00:02:26.013	2.1	T__		---			1221944	FDSN	SL	--	BUD	iLoc	BHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/10	02:48:33.50	0.84	0.65	47.3763	16.0497	4.0	3.6	138	4.9	16.3	22	13	96	0.36	1.70	ke	BUD	19004034	BUD			116

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.0	7 BUD	19004034

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
RONA	0.36	27.2	Pg	02:48:40.645	-0.3					T__						1222011	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.36	27.2	Lg	02:48:46.054	0.0					T__						1222012	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.38	250.8	Pg	02:48:40.697	-0.2					T__	359.1			___	ML	1.9	1222021	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
ARSA	0.38	250.8	Lg	02:48:45.722	-0.1					T__				---		1222020	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
A260A	0.46	101.5	Pg	02:48:42.533	-0.2					T__	242.8			___	ML	2.0	1222014	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A260A	0.46	101.5	Lg	02:48:48.708	-0.3					T__				---		1222015	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=0)																									
SOP	0.46	48.1	Pg	02:48:42.275	-0.5					T__	94.3			_d	ML	1.6	1222010	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.46	48.1	Lg	02:48:49.174	0.1					T__				---		1222009	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=0)																									
CONA	0.57	347.1	Pg	02:48:45.210	0.4					T__	73.9			___	ML	1.7	1222013	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.57	347.1	Lg	02:48:53.109	0.7					T__				---		1222025	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
A262A	0.61	147.3	Pg	02:48:45.670	0.1					T__	106.7			___	ML	1.9	1222022	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A262A	0.61	147.3	Lg	02:48:54.101	0.5					T__				---		1222023	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
EGYH	0.87	86.8	Pn	02:48:51.808	0.2					T__	86.0			___	ML	1.9	1222017	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
EGYH	0.87	86.8	Lg	02:49:04.157	0.9					T__				---		1222016	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
KOGS	0.94	171.5	Pn	02:48:52.198	-0.5					T__	83.5			___	ML	1.9	1222027	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_

KOGS	0.94	171.5	Lg	02:49:04.207	0.3	T__	---	1222026	FDSN	SL	--	BUD	iLoc	BHN	???	_
(Reading ML: 1.9 magdef=1)																
(Station ML: 1.9 magdef=1)																
MPLH	1.04	100.9	Sn	02:49:06.860	-1.8	T__	---	1222019	FDSN	HU	--	BUD	iLoc	HHN	???	_
HU08A	1.27	86.8	Sn	02:49:14.315	-0.3	T__	---	1222018	FDSN	Z6	00	BUD	iLoc	HHN	???	_
MODS	1.30	39.2	Pn	02:48:57.506	-0.2	T__	---	1222028	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	1.30	39.2	Sn	02:49:15.987	0.2	T__	---	1222029	FDSN	SK	--	BUD	iLoc	HHN	???	_
OBKA	1.35	230.4	Sn	02:49:16.771	-0.3	T__	---	1222030	FDSN	OE	--	BUD	iLoc	HHN	???	_
KRUC	1.70	7.7	Sn	02:49:26.490	1.2	T__	---	1222024	FDSN	CZ	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/10	07:11:56.46	2.15	1.50	47.9795	20.7198	12.1	7.5	153	0.0f	8	6	216	0.19	0.56	sx	BUD	19004040	BUD				281
2023/08/10	07:11:58.06	0.96	1.49	48.0471	20.6805f				0.0f	8	6	200	0.13	0.54	kx	BUD_GT	19004041	BUD_GT				273
(locality: Miskolc-Mexikóvölgy Hungary)																						
(GT info : GT2 explosion)																						

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU02A	0.13	305.8	Pg	07:12:01.926	0.6					T__		579.2		---	ML	1.4	1222240	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.13	305.8	Lg	07:12:03.502	-0.6					T__				---		1222243	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=0)																									
CP17A	0.21	326.7	Pg	07:12:03.268	0.7					T__	336.9			---	ML	1.4	1222241	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.21	326.7	Lg	07:12:05.780	-0.2					T__				---		1222244	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=0)																									
CP16A	0.31	342.4	Lg	07:12:10.088	0.7					T__				---		1222245	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ABAH	0.45	56.1	Lg	07:12:12.680	-2.5					T__				---		1222246	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KECS	0.46	343.5	Lg	07:12:14.190	-0.2					T__				---		1222242	FDSN	SK	--	BUD	iLoc	EHN	???	_	
PSZ	0.54	256.6	Lg	07:12:15.724	-2.8					T__				---		1222247	FDSN	GE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/10	07:36:37.38	0.97	1.50	48.4689	21.7465	6.9	3.8	162	0.0f	16	10	85	0.38	1.80	sx	BUD	19004042	BUD				166

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.4	5 BUD	19004042

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ABAH	0.38	243.1	Pg	07:36:46.214	1.0					T__		174.6		---	ML	1.6	1222316	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.38	243.1	Lg	07:36:50.728	-1.2					T__				---		1222317	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
KOLS	0.58	36.7	Pg	07:36:49.249	0.6					T__				---		1222321	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.58	36.7	Lg	07:36:56.148	-2.1					T__				---		1222320	FDSN	SK	--	BUD	iLoc	HHN	???	_	
TRPA	0.63	122.3	Pg	07:36:50.702	1.0					T__	49.4			---	ML	1.5	1222319	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.63	122.3	Lg	07:36:58.537	-1.9					T__				---		1222318	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=0)																									
CP16A	0.81	261.5	Pg	07:36:55.273	1.6					T__	180.9			---	ML	2.2	1222314	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_

CP16A	0.81	261.5	Lg	07:37:04.556	-1.3	T__								1222313	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1)																							
(Station ML: 2.2 magdef=1)																							
KECS	0.84	271.5	Lg	07:37:06.344	-0.3	T__								1222322	FDSN	SK	--	BUD	iLoc	EHN	???	_	
CP17A	0.86	253.6	Pg	07:36:55.954	1.2	T__	189.6						ML	2.3	1222311	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.86	253.6	Lg	07:37:04.982	-2.7	T__								1222312	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.3 magdef=1)																							
(Station ML: 2.3 magdef=0)																							
HU02A	0.89	247.4	Pg	07:36:54.847	-0.8	T__	73.2						ML	1.9	1222310	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.89	247.4	Lg	07:37:07.452	-1.9	T__								1222309	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																							
(Station ML: 1.9 magdef=1)																							
NIE	1.35	315.4	Lg	07:37:21.870	-0.6	T__								1222323	FDSN	PL	--	BUD	iLoc	BHN	???	_	
PSZ	1.36	246.7	Sn	07:37:22.356	-0.5	T__								1222315	FDSN	GE	--	BUD	iLoc	HHN	???	_	
DRGR	1.80	158.4	Sn	07:37:33.630	-0.1	T__								1222324	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/10	09:07:55.23	2.48	0.77	47.6899	16.6533	23.4	6.0	149	0.0f	6	4	232	0.06	0.80		sx	BUD	19004044	BUD			329

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
SOP	0.06	264.1	Pg	09:07:57.295	0.4					T__		434.2			ML	1.1	1222374	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.06	264.1	Lg	09:07:57.625	-0.7					T__						1222376	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=0)																									
RONA	0.24	272.5	Pg	09:08:00.638	0.3					T__						1222375	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.24	272.5	Lg	09:08:03.097	-0.8					T__						1222377	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.58	294.4	Lg	09:08:15.057	0.4					T__						1222378	FDSN	OE	--	BUD	iLoc	HHN	???	_	
MODS	0.80	31.2	Lg	09:08:23.756	-0.5					T__						1222379	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/10	09:31:35.77	1.06	0.93	45.9980	22.3063	6.5	5.4	135	0.0f	7	4	147	0.43	0.84		sx	BUD	19004046	BUD			233

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.0	3 BUD	19004046

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DEV	0.43	105.2	Lg	09:31:50.120	0.0					T__						1222400	FDSN	RO	--	BUD	iLoc	HHN	???	_	
BZS	0.61	231.9	Pg	09:31:47.906	0.0					T__		30.2			ML	1.3	1222402	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.61	231.9	Lg	09:31:56.678	-0.1					T__						1222401	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
GZR	0.69	151.2	Pg	09:31:49.013	0.0					T__		81.5			ML	1.8	1222404	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	0.69	151.2	Lg	09:31:58.637	-0.1					T__						1222403	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
DRGR	0.84	19.3	Pg	09:31:52.292	-0.4					T__		66.8			ML	1.8	1222398	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	0.84	19.3	Lg	09:32:07.068	1.8					T__						1222399	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									

(Station ML: 1.8 magdef=1)

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/10	11:05:12.72	1.29	0.69	48.0655	16.2274	7.7	6.6	59	0.0f		5	3	166	0.28	1.00	sx	BUD	19004048	BUD			291

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.28	240.9	Pg	11:05:18.864	0.4					T__		72.5		___	ML	0.9	1222538	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.28	240.9	Lg	11:05:21.887	-0.6					T__				___		1222539	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=0)																									
RONA	0.37	172.8	Pg	11:05:20.567	0.3					T__				___		1222540	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.37	172.8	Lg	11:05:24.953	-0.5					T__				___		1222541	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.00	6.3	Lg	11:05:46.415	-0.4					T__				___		1222542	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/11	07:39:21.07	2.10	0.83	47.9534	20.3550	20.1	6.4	146	0.0f		6	4	229	0.20	0.54	sx	BUD	19004058	BUD			335
2023/08/11	07:39:21.18	1.00	0.63	47.9590	20.3545f				0.0f		6	4	227	0.20	0.53	kx	BUD_GT	19004059	BUD_GT			334

(locality: Eger-III Hungary)

(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HUO2A	0.20	35.0	Pg	07:39:26.039	0.2					T__		186.0		___	ML	1.1	1227899	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HUO2A	0.20	35.0	Lg	07:39:28.722	-0.9					T__				___		1227900	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=0)																									
CP17A	0.28	21.9	Pg	07:39:27.764	0.6					T__		123.8		___	ML	1.2	1227898	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.28	21.9	Lg	07:39:31.383	-0.3					T__				___		1227901	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=0)																									
PSZ	0.31	262.7	Lg	07:39:33.048	-0.7					T__				___		1227902	FDSN	GE	--	BUD	iLoc	HHN	???	_	
KECS	0.53	9.4	Lg	07:39:39.818	-0.3					T__				___		1227903	FDSN	SK	--	BUD	iLoc	EHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/11	10:58:41.39	1.11	1.24	46.3189	22.9537	13.0	4.8	77	0.0f		8	4	165	0.50	1.17	sx	BUD	19004060	BUD			273

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.1	4 BUD	19004060

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DRGR	0.50	340.6	Pg	10:58:51.781	0.1					T__		49.2		___	ML	1.4	1227946	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	0.50	340.6	Lg	10:58:59.659	-0.3					T__				___		1227947	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
GZR	0.93	187.7	Pg	10:58:59.531	0.3					T__		64.8		___	ML	1.8	1227950	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	0.93	187.7	Lg	10:59:13.328	1.0					T__				___		1227951	FDSN	RO	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.8 magdef=1  
 (Station ML: 1.8 magdef=1  
 LOT 1.04 146.5 Pg 10:59:00.894 -0.4 T\_\_ 51.5 \_\_\_ ML 1.8 1227953 FDSN RO -- BUD iLoc HHZ HHZ \_  
 LOT 1.04 146.5 Lg 10:59:15.798 -0.7 T\_\_ \_\_\_ 1227952 FDSN RO -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.8 magdef=1  
 (Station ML: 1.8 magdef=1  
 BZS 1.17 233.5 Pn 10:59:05.663 1.5 T\_\_ 34.9 \_\_\_ ML 1.7 1227949 FDSN RO -- BUD iLoc HHZ HHZ \_  
 BZS 1.17 233.5 Lg 10:59:18.438 -1.9 T\_\_ \_\_\_ 1227948 FDSN RO -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.7 magdef=1  
 (Station ML: 1.7 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/12	08:33:09.75	1.07	1.23	46.1130	18.3082	8.9	3.3	165	0.0f	10	7	191	0.15	0.84	sx	BUD	19004074	BUD				242

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.1	3 BUD	19004074

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
KOVH	0.15	260.4	Pg	08:33:13.475	0.1					T__		497.7		___	ML	1.4	1229081	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.15	260.4	Lg	08:33:15.691	-0.6					T__				___		1229084	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1 (Station ML: 1.4 magdef=1																									
MORH	0.25	66.3	Pg	08:33:15.483	0.1					T__		209.9		___	ML	1.3	1229079	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.25	66.3	Lg	08:33:18.466	-1.5					T__				___		1229085	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1 (Station ML: 1.3 magdef=1																									
A266A	0.41	355.8	Lg	08:33:24.236	-1.1					T__				___		1229086	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A265A	0.47	311.4	Lg	08:33:27.888	1.0					T__				___		1229087	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU22A	0.61	69.1	Pg	08:33:24.211	1.9					T__		180.6		___	ML	2.1	1229080	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU22A	0.61	69.1	Lg	08:33:31.520	-1.1					T__				___		1229083	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1 (Station ML: 2.1 magdef=1																									
A272A	0.78	35.5	Lg	08:33:37.541	-1.0					T__				___		1229082	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
TIH	0.84	340.1	Lg	08:33:39.209	-0.2					T__				___		1229088	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/08/14	07:45:08.77	0.87	0.90	47.9831	20.2441	4.5	2.7	144	0.0f	17	12	100	0.23	1.44	sx	BUD	19004094	BUD					116

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.1	7 BUD	19004094

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU02A	0.23	53.5	Pg	07:45:13.712	-0.4					T__		566.0		___	ML	1.7	1233490	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.23	53.5	Lg	07:45:17.309	-1.1					T__				___		1233496	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=1																									
PSZ	0.24	254.7	Pg	07:45:14.552	0.1					T__		412.3		_c_	ML	1.6	1233491	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.24	254.7	Lg	07:45:18.332	-0.6					T__				___		1233497	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=1																									



CP17A	0.30	37.1	Pg	07:45:15.250	0.2	T__	442.3	___	ML	1.8	1233498	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.8 magdef=1)																			
(Station ML: 1.8 magdef=1)																			
HU23A	0.34	179.4	Pg	07:45:16.342	-0.1	T__	357.0	___	ML	1.8	1233493	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.34	179.4	Lg	07:45:22.951	0.8	T__		___			1233492	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1)																			
(Station ML: 1.8 magdef=0)																			
CP16A	0.41	28.8	Lg	07:45:22.911	-0.7	T__		---			1233499	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU03A	0.44	259.9	Pg	07:45:18.861	0.7	T__	92.6	---	ML	1.5	1233494	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.44	259.9	Lg	07:45:24.595	-0.5	T__		---			1233495	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.5 magdef=1)																			
(Station ML: 1.5 magdef=0)																			
KECS	0.53	17.8	Pg	07:45:19.944	0.5	T__	98.6	---	ML	1.8	1233500	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Reading ML: 1.8 magdef=1)																			
(Station ML: 1.8 magdef=1)																			
ABAH	0.74	64.5	Pg	07:45:25.051	1.5	T__	57.0	---	ML	1.7	1233502	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.74	64.5	Lg	07:45:34.546	-1.3	T__		---			1233501	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1)																			
(Station ML: 1.7 magdef=1)																			
HU05A	0.74	125.3	Lg	07:45:35.891	-0.2	T__		---			1233503	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU10A	0.84	261.0	Lg	07:45:38.240	-1.0	T__		---			1233504	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU24A	1.24	149.6	Sn	07:45:50.756	0.7	T__		---			1233505	FDSN	Z6	00	BUD	iLoc	HHN	???	_
NIE	1.44	1.4	Lg	07:45:58.020	1.3	T__		---			1233506	FDSN	PL	--	BUD	iLoc	BHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/14	08:13:20.19	3.97	0.87	48.3718	21.3095	22.9	10.3	58	0.0f		5	4	289	0.09	0.58	sx	BUD	19004096	BUD			323

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.09	211.6	Pg	08:13:22.550	0.0					T__		118.2		---	ML	0.6	1233533	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.09	211.6	Lg	08:13:24.558	-0.1					T__				---		1233534	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.6 magdef=1)																									
(Station ML: 0.6 magdef=0)																									
CP16A	0.51	267.0	Lg	08:13:39.370	0.9					T__				---		1233535	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KECS	0.56	281.8	Lg	08:13:39.300	-0.7					T__				---		1233536	FDSN	SK	--	BUD	iLoc	EHN	???	_	
HU02A	0.58	244.8	Lg	08:13:41.250	-0.4					T__				---		1233537	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/14	08:32:52.10	1.83	0.92	48.8162	21.1521	14.4	7.7	157	0.0f		7	5	207	0.52	0.81	sx	BUD	19004098	BUD			300

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.52	173.6	Lg	08:33:11.831	0.3					T__				---		1233558	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KECS	0.55	233.2	Pg	08:33:03.496	0.3					T__	76.3			---	ML	1.7	1233556	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.55	233.2	Lg	08:33:11.055	-0.5					T__				---		1233557	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
CP17A	0.73	215.7	Lg	08:33:17.924	0.0					T__				---		1233560	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

KOLS 0.75 80.6 Lg 08:33:17.837 -0.7 T\_\_ 1233559 FDSN SK -- BUD iLoc HHN ??? \_  
 HU02A 0.81 211.2 Pg 08:33:09.147 0.3 T\_\_ 26.2 --- ML 1.4 1233555 FDSN Z6 00 BUD iLoc HHZ HHZ \_  
 HU02A 0.81 211.2 Lg 08:33:19.774 -1.5 T\_\_ --- 1233561 FDSN Z6 00 BUD iLoc HHN ??? \_  
 (Reading ML: 1.4 magdef=1  
 (Station ML: 1.4 magdef=1

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/08/14 10:03:34.00 0.94 1.03 48.7752 21.6287 6.1 3.8 156 0.0f 16 9 122 0.45 1.44 sx BUD 19004100 BUD 189

Magnitude Err Nsta Author OrigID  
 ML 2.0 0.3 7 BUD 19004100

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L  
 KOLS 0.45 69.4 Pg 10:03:43.351 0.5 T\_\_ 1233614 FDSN SK -- BUD iLoc HHZ ??? \_  
 KOLS 0.45 69.4 Lg 10:03:49.139 -1.3 T\_\_ 1233617 FDSN SK -- BUD iLoc HHN ??? \_  
 ABAH 0.54 208.5 Pg 10:03:45.957 1.0 T\_\_ 68.9 --- ML 1.6 1233615 FDSN HU -- BUD iLoc HHZ HHZ \_  
 ABAH 0.54 208.5 Lg 10:03:53.571 -0.6 T\_\_ --- 1233618 FDSN HU -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.6 magdef=1  
 (Station ML: 1.6 magdef=1  
 KECS 0.81 249.4 Pg 10:03:50.651 0.5 T\_\_ 178.8 --- ML 2.2 1233613 FDSN SK -- BUD iLoc EHZ EHZ \_  
 KECS 0.81 249.4 Lg 10:04:01.807 -0.4 T\_\_ --- 1233619 FDSN SK -- BUD iLoc EHN ??? \_  
 (Reading ML: 2.2 magdef=1  
 (Station ML: 2.2 magdef=1  
 CP16A 0.84 239.5 Pg 10:03:50.505 -0.3 T\_\_ 189.2 --- ML 2.2 1233612 FDSN Z6 00 BUD iLoc HHZ HHZ \_  
 CP16A 0.84 239.5 Lg 10:04:03.012 -0.3 T\_\_ --- 1233620 FDSN Z6 00 BUD iLoc HHN ??? \_  
 (Reading ML: 2.2 magdef=1  
 (Station ML: 2.2 magdef=0  
 TRPA 0.89 136.5 Pg 10:03:51.725 0.5 T\_\_ 77.4 --- ML 1.9 1233622 FDSN HU -- BUD iLoc HHZ HHZ \_  
 TRPA 0.89 136.5 Lg 10:04:04.032 -1.5 T\_\_ --- 1233621 FDSN HU -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.9 magdef=1  
 (Station ML: 1.9 magdef=1  
 CP17A 0.93 233.6 Pg 10:03:52.550 -0.1 T\_\_ 158.0 --- ML 2.2 1233611 FDSN Z6 00 BUD iLoc HHZ HHZ \_  
 (Reading ML: 2.2 magdef=1  
 (Station ML: 2.2 magdef=1  
 HU02A 0.98 228.8 Pn 10:03:52.915 -1.1 T\_\_ 89.8 --- ML 2.0 1233610 FDSN Z6 00 BUD iLoc HHZ HHZ \_  
 HU02A 0.98 228.8 Lg 10:04:07.687 -1.3 T\_\_ --- 1233623 FDSN Z6 00 BUD iLoc HHN ??? \_  
 (Reading ML: 2.0 magdef=1  
 (Station ML: 2.0 magdef=1  
 NIE 1.09 306.9 Pg 10:03:55.327 0.9 T\_\_ 23.3 --- ML 1.5 1233625 FDSN PL -- BUD iLoc BHZ BHZ \_  
 NIE 1.09 306.9 Lg 10:04:09.678 -0.9 T\_\_ --- 1233624 FDSN PL -- BUD iLoc BHN ??? \_  
 (Reading ML: 1.5 magdef=1  
 (Station ML: 1.5 magdef=0  
 PSZ 1.44 234.1 Sn 10:04:23.172 1.6 T\_\_ --- 1233616 FDSN GE -- BUD iLoc HHN ??? \_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/08/14 10:18:19.93 0.99 1.65 47.9512 20.1435 10.0 3.0 150 0.0f 10 7 146 0.17 0.81 sx BUD 19004102 BUD 194

Magnitude Err Nsta Author OrigID  
 ML 1.2 0.3 3 BUD 19004102

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.17	259.0	Pg	10:18:24.503	0.3					T__		467.3		_c_	ML	1.4	1233659	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.17	259.0	Lg	10:18:27.221	-0.4					T__				---		1233662	FDSN	GE	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.4 magdef=1)																					
				(Station ML: 1.4 magdef=1)																					
HU02A	0.31	56.1	Pg	10:18:27.096	0.3					T__		73.8		---	ML	1.0	1233660	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.31	56.1	Lg	10:18:30.581	-1.6					T__				---		1233664	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.0 magdef=1)																					
				(Station ML: 1.0 magdef=1)																					
CP17A	0.36	42.5	Pg	10:18:29.558	2.0					T__		86.0		---	ML	1.2	1233663	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.36	42.5	Lg	10:18:33.140	-0.2					T__				---		1233668	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.2 magdef=1)																					
				(Station ML: 1.2 magdef=1)																					
HU03A	0.37	262.8	Lg	10:18:34.087	0.3					T__				---		1233661	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KECS	0.58	23.1	Lg	10:18:37.300	-3.2					T__				---		1233665	FDSN	SK	--	BUD	iLoc	EHN	???	_	
HU01A	0.70	210.4	Lg	10:18:44.677	-1.1					T__				---		1233666	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ABAH	0.81	64.4	Lg	10:18:48.766	-0.6					T__				---		1233667	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/14	11:33:02.07	0.95	0.96	46.2861	19.8715	4.2	3.2	174	0.7	1.5	18	13	79	0.11	2.22	ke	BUD	19004104	BUD			143

Magnitude	Err	Nsta	Author	OrigID
ML	2.2	0.1	7 BUD	19004104

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU21A	0.11	295.4	Pg	11:33:04.971	0.2					T__		4335.5		_c_	ML	2.2	1234195	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU21A	0.11	295.4	Lg	11:33:07.702	0.5					T__				---		1234185	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.2 magdef=1)																					
				(Station ML: 2.2 magdef=1)																					
HU14A	0.22	41.6	Pg	11:33:07.322	0.3					T__		1283.1		---	ML	2.0	1234186	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU14A	0.22	41.6	Lg	11:33:11.787	0.8					T__				---		1234196	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.0 magdef=1)																					
				(Station ML: 2.0 magdef=1)																					
HU22A	0.52	274.9	Pg	11:33:12.659	0.1					T__		387.0		---	ML	2.3	1234197	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.3 magdef=1)																					
				(Station ML: 2.3 magdef=1)																					
HU04B	0.61	330.7	Pg	11:33:14.021	-0.7					T__		296.1		---	ML	2.3	1234189	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.3 magdef=1)																					
				(Station ML: 2.3 magdef=1)																					
HU06A	0.64	48.2	Pg	11:33:15.664	-0.1					T__		527.9		---	ML	2.6	1234188	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.64	48.2	Lg	11:33:24.496	-1.2					T__				---		1234198	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.6 magdef=1)																					
				(Station ML: 2.6 magdef=0)																					
A272A	0.78	306.6	Lg	11:33:29.215	-0.9					T__				---		1234199	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MORH	0.86	265.7	Pn	11:33:19.123	-0.4					T__		77.5		---	ML	1.9	1234187	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.86	265.7	Lg	11:33:31.478	-0.0					T__				---		1234200	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.9 magdef=1)																					
				(Station ML: 1.9 magdef=0)																					
FRGS	1.13	182.2	Pg	11:33:24.495	0.6					T__		69.5		---	ML	2.0	1234191	FDSN	SJ	--	BUD	iLoc	BHZ	BHZ	_
FRGS	1.13	182.2	Sn	11:33:39.876	-0.7					T__				---		1234190	FDSN	SJ	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 2.0 magdef=1)																					
				(Station ML: 2.0 magdef=1)																					

KOVH	1.25	261.5	Sn	11:33:43.413	0.4	T__	---	1234192	FDSN	HU	--	BUD	iLoc	HNN	???	_
BZS	1.39	118.2	Sn	11:33:46.334	-0.5	T__	---	1234193	FDSN	RO	--	BUD	iLoc	HNN	???	_
CSKK	1.54	314.8	Sn	11:33:51.007	0.3	T__	---	1234201	FDSN	HU	--	BUD	iLoc	HNN	???	_
HU02A	1.89	13.4	Sn	11:34:01.527	2.8	T__	---	1234202	FDSN	Z6	00	BUD	iLoc	HNN	???	_
GZR	2.22	112.7	Sn	11:34:07.147	-0.1	T__	---	1234194	FDSN	RO	--	BUD	iLoc	HNN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/15	07:11:24.76	1.26	0.83	48.5089	19.2559	5.8	5.2	176	0.0f	10	9	107	0.65	1.14	sx	BUD	19004112	BUD				203

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
HU03A	0.65	159.1	Lg	07:11:48.127	0.1	T__										1237089	FDSN	Z6	00	BUD	iLoc	HNN	???	_
HU10A	0.68	193.5	Lg	07:11:49.795	0.1	T__										1237090	FDSN	Z6	00	BUD	iLoc	HNN	???	_
PSZ	0.73	143.9	Lg	07:11:50.672	-0.7	T__										1237091	FDSN	GE	--	BUD	iLoc	HNN	???	_
KECS	0.82	91.3	Lg	07:11:52.626	-0.7	T__										1237092	FDSN	SK	--	BUD	iLoc	EHN	???	_
CP16A	0.87	100.6	Lg	07:11:54.668	-0.5	T__										1237088	FDSN	Z6	00	BUD	iLoc	HNN	???	_
CP17A	0.89	108.6	Lg	07:11:55.544	-0.3	T__										1237087	FDSN	Z6	00	BUD	iLoc	HNN	???	_
HU02A	0.93	114.1	Pg	07:11:44.826	0.9	T__						37.8		ML	1.6	1237086	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.93	114.1	Lg	07:11:56.622	-1.3	T__										1237093	FDSN	Z6	00	BUD	iLoc	HNN	???	_
(Reading ML: 1.6 magdef=1)																								
(Station ML: 1.6 magdef=0)																								
JAVC	1.11	289.0	Lg	07:12:03.155	-0.8	T__										1237095	FDSN	CZ	--	BUD	iLoc	HNN	???	_
NIE	1.14	36.7	Lg	07:12:03.325	0.5	T__										1237094	FDSN	PL	--	BUD	iLoc	BHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/08/15	07:24:18.30	1.10	0.92	47.3395	18.3748	5.9	4.4	130	0.0f	9	7	110	0.08	1.27	sx	BUD	19004114	BUD						130

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CSKK	0.08	286.9	Pg	07:24:20.523	-0.1	T__						2315.2		ML	1.9	1237115	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.08	286.9	Lg	07:24:22.495	-0.4	T__										1237116	FDSN	HU	--	BUD	iLoc	HNN	???	_
(Reading ML: 1.9 magdef=1)																								
(Station ML: 1.9 magdef=1)																								
HU09A	0.30	1.0	Pg	07:24:24.905	0.1	T__						496.8		ML	1.8	1237119	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU09A	0.30	1.0	Lg	07:24:29.141	-1.2	T__										1237118	FDSN	Z6	00	BUD	iLoc	HNN	???	_
(Reading ML: 1.8 magdef=1)																								
(Station ML: 1.8 magdef=1)																								
HU08A	0.32	286.8	Lg	07:24:31.880	1.0	T__										1237117	FDSN	Z6	00	BUD	iLoc	HNN	???	_
HU10A	0.67	40.5	Lg	07:24:43.676	0.5	T__										1237120	FDSN	Z6	00	BUD	iLoc	HHE	???	_
MORH	1.14	170.6	Lg	07:24:57.041	-0.4	T__										1237121	FDSN	HU	--	BUD	iLoc	HNN	???	_
PSZ	1.18	60.0	Sn	07:24:59.013	-0.4	T__										1237122	FDSN	GE	--	BUD	iLoc	HHE	???	_
KOVH	1.27	188.7	Sn	07:25:02.081	1.4	T__										1237123	FDSN	HU	--	BUD	iLoc	HNN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/08/15	07:40:30.50	1.15	1.09	48.6570	19.1517	8.1	5.6	19	0.0f	12	8	122	0.89	1.48	sx	BUD	19004116	BUD						189

Magnitude Err Nsta Author OrigID

ML 1.9 0.3 4 BUD 19004116

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
PSZ	0.89	145.9	Pg	07:40:49.993	0.7					T__		49.0		___	ML	1.7	1237155	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.89	145.9	Lg	07:41:02.045	-0.5					T__				---		1237152	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
KECS	0.90	100.6	Pg	07:40:49.275	0.8					T__		138.0		___	ML	2.1	1237154	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.90	100.6	Lg	07:41:00.961	-0.9					T__				---		1237153	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
CP16A	0.98	108.3	Pg	07:40:50.987	1.0					T__		112.1		___	ML	2.1	1237156	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.98	108.3	Lg	07:41:03.184	-0.8					T__				---		1237160	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
JAVC	1.00	282.2	Lg	07:41:05.166	-0.9					T__				---		1237158	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
CP17A	1.01	115.3	Lg	07:41:04.319	-0.8					T__				---		1237161	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	1.06	119.8	Pn	07:40:51.600	-0.1					T__		37.6		___	ML	1.7	1237150	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.06	119.8	Lg	07:41:05.952	-1.7					T__				---		1237159	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
NIE	1.07	44.3	Lg	07:41:05.696	-0.5					T__				---		1237157	FDSN	PL	--	BUD	iLoc	BHN	???	_	
HU08A	1.48	214.3	Sn	07:41:20.047	1.5					T__				---		1237151	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/15	08:55:02.67	0.92	0.81	47.8636	19.8157	5.6	3.1	167	0.0f		13	10	110	0.08	1.05	sx	BUD	19004118	BUD			140

Magnitude Err Nsta Author OrigID  
 ML 1.6 0.0 3 BUD 19004118

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
PSZ	0.08	44.0	Pg	08:55:05.295	0.3					T__		1285.6		_c_	ML	1.6	1237192	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.08	44.0	Lg	08:55:06.281	-0.9					T__				---		1237193	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
HU03A	0.15	285.6	Pg	08:55:06.975	0.7					T__		819.2		___	ML	1.6	1237194	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.15	285.6	Lg	08:55:08.910	-0.2					T__				---		1237200	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
HU23A	0.37	127.3	Lg	08:55:16.835	-0.1					T__				---		1237195	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU01A	0.54	194.4	Lg	08:55:22.349	-0.5					T__				---		1237198	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU10A	0.54	268.3	Lg	08:55:21.034	-1.7					T__				---		1237197	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.54	61.2	Pg	08:55:14.826	0.7					T__		66.7		___	ML	1.6	1237196	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.54	61.2	Lg	08:55:22.239	-0.7					T__				---		1237201	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
CP17A	0.59	52.4	Lg	08:55:23.561	-0.2					T__				---		1237202	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP16A	0.68	45.1	Lg	08:55:26.584	-0.2					T__				---		1237203	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KECS	0.77	35.6	Lg	08:55:29.068	-0.5					T__				---		1237199	FDSN	SK	--	BUD	iLoc	EHN	???	_	
ABAH	1.05	65.1	Sn	08:55:39.095	-0.8					T__				---		1237204	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/15	10:37:28.17	1.20	1.06	47.3882	18.3971	8.1	4.7	133	0.0f	8	7	109	0.10	1.19	sx	BUD	19004120	BUD				129

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.10	254.9	Pg	10:37:31.586	0.8					T__		1274.7		___	ML	1.7	1237226	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.10	254.9	Lg	10:37:31.970	-1.3					T__				___		1237227	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=0)																									
HU09A	0.25	357.7	Lg	10:37:38.265	-0.2					T__				___		1237228	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU08A	0.32	277.8	Lg	10:37:39.798	-1.1					T__				___		1237229	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU10A	0.62	42.4	Lg	10:37:50.329	-1.0					T__				___		1237230	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A266A	0.87	186.0	Lg	10:37:57.486	-0.7					T__				___		1237231	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	1.14	61.8	Sn	10:38:08.148	-0.2					T__				___		1237232	FDSN	GE	--	BUD	iLoc	HHN	???	_	
MORH	1.19	171.7	Sn	10:38:08.089	-0.5					T__				___		1237233	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/08/15	11:17:19.06	1.39	1.86	48.6915	21.4246	9.4	6.5	172	0.0f	12	9	100	0.41	2.09	sx	BUD	19004122	BUD					174

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.0	5 BUD	19004122

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.41	197.3	Pg	11:17:28.228	0.7					T__		78.7		___	ML	1.3	1237261	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.41	197.3	Lg	11:17:33.377	-1.3					T__				___		1237266	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=0)																									
KOLS	0.61	66.3	Lg	11:17:40.209	-0.7					T__				___		1237267	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KECS	0.66	251.9	Pg	11:17:32.026	-0.2					T__		119.7		___	ML	1.9	1237260	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.66	251.9	Lg	11:17:43.018	1.0					T__				___		1237268	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
CP17A	0.77	232.5	Lg	11:17:45.418	-0.7					T__				___		1237269	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.83	226.8	Pg	11:17:36.226	0.1					T__		67.3		___	ML	1.8	1237259	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.83	226.8	Lg	11:17:47.729	-1.1					T__				___		1237262	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
TRPA	0.93	126.7	Lg	11:17:48.555	-3.5					T__				___		1237263	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	1.28	233.4	Pn	11:17:43.570	0.2					T__		35.5		___	ML	1.8	1237264	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
OJC	1.86	325.9	Sn	11:18:20.633	3.2					T__				___		1237270	FDSN	PL	--	BUD	iLoc	BHN	???	_	
DRGR	2.09	155.0	Pg	11:18:01.039	1.7					T__		36.6		___	ML	2.2	1237265	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=0)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/08/15	13:43:09.76	1.21	0.91	48.6784	22.4460	19.4	4.6	73	0.0f	8	6	168	0.28	1.40	sx	BUD	19004124	BUD					242

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOLS	0.28	335.9	Pg	13:43:15.264	-0.2					T__						1237300	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.28	335.9	Lg	13:43:20.961	0.6					T__						1237299	FDSN	SK	--	BUD	iLoc	HHN	???	_	
TRPA	0.55	173.5	Pg	13:43:21.107	0.4					T__		54.6			ML	1.5	1237296	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.55	173.5	Lg	13:43:29.068	-1.1					T__						1237297	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=0)																									
ABAH	0.89	245.0	Lg	13:43:41.631	0.1					T__						1237301	FDSN	HU	--	BUD	iLoc	HHN	???	_	
BMR	1.23	144.7	Lg	13:43:51.710	-0.4					T__						1237298	FDSN	RO	--	BUD	iLoc	HHN	???	_	
KECS	1.32	262.2	Sn	13:43:53.390	-0.8					T__						1237303	FDSN	SK	--	BUD	iLoc	EHN	???	_	
HU02A	1.40	247.2	Sn	13:43:55.143	-1.2					T__						1237302	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/15	14:01:49.91	1.77	1.18	48.6709	22.4835	16.2	6.2	90	0.0f		9	7	203	0.30	1.89	sx	BUD	19004126	BUD			236

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOLS	0.30	332.2	Pg	14:01:56.443	0.5					T__						1237323	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.30	332.2	Lg	14:01:59.748	-1.3					T__						1237324	FDSN	SK	--	BUD	iLoc	HHN	???	_	
TRPA	0.54	176.1	Lg	14:02:08.714	-1.2					T__						1237325	FDSN	HU	--	BUD	iLoc	HHN	???	_	
ABAH	0.91	246.1	Pg	14:02:08.613	0.8					T__		55.3			ML	1.7	1237327	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.91	246.1	Lg	14:02:20.737	-1.6					T__						1237326	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
KECS	1.34	262.7	Sn	14:02:33.792	-1.2					T__						1237328	FDSN	SK	--	BUD	iLoc	EHN	???	_	
HU02A	1.42	247.9	Sn	14:02:37.477	0.4					T__						1237329	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
NIE	1.62	298.3	Pg	14:02:20.604	0.2					T__		9.5			ML	1.4	1237330	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
DRGR	1.89	175.2	Sn	14:02:49.264	0.4					T__						1237331	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/15	14:03:41.50	1.30	1.02	48.6827	22.4271	12.4	5.2	82	0.0f		10	8	194	0.27	1.90	sx	BUD	19004128	BUD			233

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOLS	0.27	338.0	Pg	14:03:47.021	0.0					T__						1237354	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.27	338.0	Lg	14:03:51.768	0.0					T__						1237355	FDSN	SK	--	BUD	iLoc	HHN	???	_	
TRPA	0.56	172.3	Pg	14:03:52.645	0.1					T__		53.7			ML	1.5	1237356	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
ABAH	0.88	244.3	Pg	14:03:59.072	0.2					T__		68.5			ML	1.8	1237357	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.88	244.3	Lg	14:04:12.255	-0.7					T__						1237358	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
KECS	1.30	261.9	Sn	14:04:25.201	-0.5					T__						1237359	FDSN	SK	--	BUD	iLoc	EHN	???	_	

CP17A	1.36	250.7	Sn	14:04:28.195	1.6	T__	---	1237360	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU02A	1.39	246.8	Sn	14:04:26.954	-0.9	T__	---	1237361	FDSN	Z6	00	BUD	iLoc	HHN	???	_
NIE	1.58	298.5	Sn	14:04:32.286	-0.9	T__	---	1237362	FDSN	PL	--	BUD	iLoc	BHN	???	_
DRGR	1.90	174.1	Lg	14:04:43.752	-1.5	T__	---	1237363	FDSN	RO	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/16	06:23:02.25	1.21	0.86	48.3954	17.3604	9.7	3.4	130	0.0f	9	6	197	0.06	1.11	sx	BUD	19004132	BUD			264	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.06	248.5	Pg	06:23:04.311	0.2					T__						1240477	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.06	248.5	Lg	06:23:05.099	-0.8					T__						1240480	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ZST	0.26	220.9	Lg	06:23:11.476	-1.1					T__						1240478	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
JAVC	0.51	23.8	Pg	06:23:13.339	0.4					T__	64.9				ML	1.5	1240479	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.51	23.8	Lg	06:23:20.088	-1.1					T__						1240481	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
KRUC	0.92	316.6	Pg	06:23:20.185	0.2					T__		30.1			ML	1.5	1240483	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	0.92	316.6	Lg	06:23:33.380	-0.2					T__						1240482	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
RONA	1.00	226.1	Lg	06:23:35.479	0.4					T__						1240484	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	1.11	245.6	Lg	06:23:39.291	0.9					T__						1240485	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/08/16	08:00:39.08	1.53	0.91	48.6591	20.8465	8.7	6.5	83	0.0f	9	7	169	0.30	0.98	sx	BUD	19004136	BUD					270	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KECS	0.30	233.8	Pg	08:00:45.479	0.3					T__		1031.7			ML	2.1	1240538	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.30	233.8	Lg	08:00:50.014	0.1					T__						1240540	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
CP16A	0.38	212.8	Lg	08:00:53.036	0.5					T__						1240541	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ABAH	0.45	144.1	Lg	08:00:55.954	0.0					T__						1240539	FDSN	HU	--	BUD	iLoc	HHN	???	_	
CP17A	0.49	207.0	Lg	08:00:56.295	-0.4					T__						1240537	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.58	201.9	Lg	08:00:58.850	-1.5					T__						1240536	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
NIE	0.84	334.9	Lg	08:01:06.312	-0.6					T__						1240542	FDSN	PL	--	BUD	iLoc	BHN	???	_	
PSZ	0.98	221.0	Pn	08:00:59.957	0.8					T__	25.7				ML	1.5	1240544	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.98	221.0	Lg	08:01:13.073	-1.1					T__						1240543	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/08/16	08:14:30.48	0.91	1.38	48.6407	18.5399	6.4	4.2	44	0.0f	16	11	94	0.62	1.48	sx	BUD	19004138	BUD					129	

Magnitude Err Nsta Author OrigID



ML 1.8 0.1 5 BUD 19004138

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JAVC	0.62	291.1	Pg	08:14:43.838	0.6					T__		67.3		---	ML	1.7	1240582	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.62	291.1	Lg	08:14:51.588	-1.4					T__				---		1240581	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=0)																									
HU10A	0.86	157.9	Pg	08:14:49.524	1.5					T__		104.7		---	ML	2.0	1240580	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU10A	0.86	157.9	Lg	08:14:59.999	-1.5					T__				---		1240579	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1 Station ML: 2.0 magdef=0)																									
MODS	0.88	252.8	Lg	08:15:00.940	-0.9					T__				---		1240583	FDSN	SK	--	BUD	iLoc	HHN	???	_	
PSZ	1.16	128.1	Pn	08:14:53.016	-0.2					T__		46.0		---	ML	1.8	1240576	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.16	128.1	Sn	08:15:09.070	-2.3					T__				---		1240584	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=1)																									
KECS	1.30	96.2	Sn	08:15:12.122	-2.4					T__				---		1240585	FDSN	SK	--	BUD	iLoc	EHN	???	_	
MORC	1.31	330.5	Pg	08:14:55.414	0.6					T__		43.7		---	ML	1.9	1240587	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
MORC	1.31	330.5	Lg	08:15:13.810	0.7					T__				---		1240586	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=1)																									
CP17A	1.38	107.1	Sn	08:15:17.118	1.2					T__				---		1240578	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
NIE	1.40	55.4	Lg	08:15:14.746	-1.7					T__				---		1240588	FDSN	PL	--	BUD	iLoc	BHN	???	_	
HU02A	1.42	110.7	Pn	08:14:56.508	-0.3					T__		29.7		---	ML	1.8	1240577	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.42	110.7	Sn	08:15:17.927	0.3					T__				---		1240589	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=1)																									
VRAC	1.45	298.2	Sn	08:15:18.116	-0.4					T__				---		1240590	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
KRUC	1.48	287.4	Sn	08:15:18.428	-0.7					T__				---		1240591	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/16	08:34:25.94	3.45	1.75	48.5568	19.2544	20.5	10.1	72	0.0f		7	6	201	0.82	1.66	sx	BUD	19004140	BUD			281

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KECS	0.82	94.7	Lg	08:34:53.804	-0.8					T__				---		1240646	FDSN	SK	--	BUD	iLoc	EHN	???	_	
CP16A	0.88	103.6	Lg	08:34:58.466	1.8					T__				---		1240645	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP17A	0.90	111.5	Lg	08:34:56.699	-0.9					T__				---		1240644	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.95	116.7	Pg	08:34:45.984	0.5					T__		63.5		---	ML	1.8	1240643	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.95	116.7	Lg	08:34:58.376	-1.4					T__				---		1240647	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=0)																									
NIE	1.10	38.2	Lg	08:35:02.407	-0.3					T__				---		1240648	FDSN	PL	--	BUD	iLoc	BHN	???	_	
MORC	1.66	318.0	Sn	08:35:21.914	2.4					T__				---		1240649	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/16	09:09:38.87	1.96	0.94	47.8879	20.1885	20.7	3.9	160	0.0f		7	5	212	0.20	0.81	sx	BUD	19004142	BUD			228

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
PSZ	0.20	278.9	Pg	09:09:43.924	0.2					T__		463.7		---	ML	1.5	1240667	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.20	278.9	Lg	09:09:47.033	-0.6					T__				---		1240670	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
HU02A	0.33	43.8	Pg	09:09:46.607	0.6					T__		109.9		---	ML	1.2	1240669	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.33	43.8	Lg	09:09:50.865	-0.9					T__				---		1240668	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
HU03A	0.40	272.5	Lg	09:09:53.744	0.0					T__				---		1240671	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KECS	0.63	18.3	Lg	09:10:01.079	-0.1					T__				---		1240672	FDSN	SK	--	BUD	iLoc	EHN	???	_	
ABAH	0.81	59.5	Lg	09:10:06.965	-1.4					T__				---		1240673	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/16	09:20:15.62	0.88	0.81	46.8985	17.4260	4.2	3.2	112	0.0f		16	12	59	0.10	1.11	sx	BUD	19004144	BUD			90
2023/08/16	09:20:15.46	0.88	1.57	46.8902	17.3220f				0.0f		16	12	68	0.13	1.13	kx	BUD_GT	19004145	BUD_GT			90

(locality: Uzsa Hungary)  
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
ML	2.3	0.3	4 BUD_GT	19004145

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
BADH	0.13	129.3	Lg	09:20:20.257	-1.2					T__				---		1240704	FDSN	HU	--	BUD	iLoc	HHN	???	_	
A261A	0.13	297.5	Pg	09:20:20.555	1.7					T__		15552.0		---	ML	2.9	1240705	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A261A	0.13	297.5	Lg	09:20:22.748	1.2					T__				---		1240706	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.9 magdef=1)																									
(Station ML: 2.9 magdef=1)																									
A263A	0.25	181.1	Pg	09:20:21.918	0.9					T__		3337.4		---	ML	2.5	1240708	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A263A	0.25	181.1	Lg	09:20:24.877	-0.3					T__				---		1240707	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.5 magdef=1)																									
(Station ML: 2.5 magdef=1)																									
MPLH	0.32	27.9	Pg	09:20:22.578	0.2					T__		824.7		---	ML	2.1	1240709	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.32	27.9	Lg	09:20:26.304	-1.5					T__				---		1240710	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
BEHE	0.56	222.0	Lg	09:20:36.162	1.1					T__				---		1240711	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU08A	0.68	37.0	Lg	09:20:38.121	-2.3					T__				---		1240712	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CSKK	0.80	53.2	Lg	09:20:42.294	-2.5					T__				---		1240714	FDSN	HU	--	BUD	iLoc	HHN	???	_	
A267A	0.80	85.5	Lg	09:20:40.846	-3.6					T__				---		1240713	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KOGS	0.86	239.5	Pn	09:20:34.374	0.4					T__		123.0		---	ML	2.1	1240716	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.86	239.5	Sn	09:20:46.297	-1.1					T__				---		1240715	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
KOVH	0.97	145.9	Lg	09:20:48.426	-0.2					T__				---		1240717	FDSN	HU	--	BUD	iLoc	HHN	???	_	
RONA	1.07	319.6	Sn	09:20:52.770	0.0					T__				---		1240718	FDSN	OE	--	BUD	iLoc	HHN	???	_	
MORH	1.13	126.0	Sn	09:20:53.451	-0.7					T__				---		1240719	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
------	------	-----	-----	----------	-----------	------	------	----	-------	-----	------	------	-----	-------	-------	------	--------	--------	-----	-------	-----	-----

2023/08/16 11:16:32.34 1.93 1.11 47.9195 16.1202 17.4 4.4 31 0.0f 5 3 238 0.17 0.78 sx BUD 19004146 BUD 300

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.17	273.0	Pg	11:16:36.398	0.4					T__		54.7		---	ML	0.5	1240740	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.17	273.0	Lg	11:16:37.888	-0.8					T__				---		1240741	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.5 magdef=1)																									
(Station ML: 0.5 magdef=0)																									
RONA	0.25	151.6	Pg	11:16:38.122	0.5					T__				---		1240742	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.25	151.6	Lg	11:16:40.039	-1.2					T__				---		1240743	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.78	211.3	Lg	11:16:57.476	0.2					T__				---		1240744	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/08/16 11:33:22.89 1.02 0.49 45.6177 22.3909 9.0 5.0 11 10.0f 7 4 140 0.35 1.20 ke BUD 19004148 BUD 241

Magnitude Err Nsta Author OrigID  
 ML 1.7 0.4 3 BUD 19004148

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
GZR	0.35	129.5	Lg	11:33:35.471	0.1					T__				---		1240766	FDSN	RO	--	BUD	iLoc	HHN	???	_	
BZS	0.54	270.2	Pg	11:33:33.683	0.0					T__		28.8		---	ML	1.3	1240765	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.54	270.2	Lg	11:33:41.178	-0.1					T__				---		1240764	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
LOT	0.98	99.4	Pg	11:33:41.839	0.0					T__		40.1		---	ML	1.7	1240767	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
LOT	0.98	99.4	Lg	11:33:55.381	-0.8					T__				---		1240768	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
DRGR	1.20	10.6	Pg	11:33:46.501	0.2					T__		58.1		---	ML	1.9	1240763	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	1.20	10.6	Lg	11:34:01.703	-0.5					T__				---		1240769	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/08/17 07:35:27.51 1.22 0.91 45.5019 16.4750 10.2 6.2 16 10.0f 11 8 148 0.54 1.68 ke BUD 19004156 BUD 230

Magnitude Err Nsta Author OrigID  
 ML 2.1 0.2 4 BUD 19004156

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PTJ	0.54	318.9	Pg	07:35:37.807	-0.7					T__		158.5		---	ML	2.0	1244689	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.54	318.9	Lg	07:35:46.163	-0.2					T__				---		1244694	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
CRES	0.78	294.8	Pg	07:35:43.289	0.9					T__		85.6		---	ML	1.9	1244691	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.78	294.8	Lg	07:35:54.083	-0.1					T__				---		1244690	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
A264A	0.87	40.6	Pg	07:35:44.405	0.1					T__		526.1		---	ML	2.7	1244693	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_

```

(Reading ML: 2.7 magdef=1
(Station ML: 2.7 magdef=1
BLY 0.90 146.1 Lg 07:35:55.988 -0.6 T__
KOGS 0.96 350.7 Pn 07:35:47.171 0.8 T__ 118.3 --- ML 2.1 1244692 FDSN SL -- BUD iLoc BHZ BHZ _
KOGS 0.96 350.7 Sn 07:36:01.336 1.4 T__ --- 1244696 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
A265A 1.30 44.5 Lg 07:36:10.483 1.2 T__ --- 1244697 FDSN Z6 00 BUD iLoc HHN ??? _
MORH 1.67 64.0 Lg 07:36:19.963 -1.0 T__ --- 1244698 FDSN HU -- BUD iLoc HHN ??? _
OBKA 1.68 307.6 Lg 07:36:21.420 -0.3 T__ --- 1244699 FDSN OE -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/17 07:51:21.41 1.17 1.18 47.3135 18.3423 7.2 5.4 84 0.0f 6 4 164 0.07 1.12 sx BUD 19004158 BUD 287

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CSKK 0.07 311.7 Pg 07:51:23.671 0.1 T__ 4289.6 --- ML 2.1 1244722 FDSN HU -- BUD iLoc HHZ HHZ _
CSKK 0.07 311.7 Lg 07:51:25.109 -0.7 T__ --- 1244725 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
HU08A 0.31 292.7 Lg 07:51:34.191 0.6 T__ --- 1244723 FDSN Z6 00 BUD iLoc HHN ??? _
HU09A 0.33 4.8 Pg 07:51:29.147 0.7 T__ 370.5 --- ML 1.8 1244727 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU09A 0.33 4.8 Lg 07:51:32.818 -1.6 T__ --- 1244726 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
MORH 1.12 169.2 Lg 07:51:59.232 -0.6 T__ --- 1244724 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/17 07:59:58.38 1.35 1.59 46.1165 18.1082 13.1 3.9 122 0.0f 6 4 148 0.03 1.12 sx BUD 19004160 BUD 264

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
KOVH 0.03 191.6 Pg 07:59:59.917 0.2 T__ 1976.0 --- ML 1.7 1244761 FDSN HU -- BUD iLoc HHZ HHZ _
KOVH 0.03 191.6 Lg 08:00:00.575 -0.5 T__ --- 1244763 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
MORH 0.38 75.0 Pg 08:00:06.657 0.1 T__ 30.5 --- ML 0.9 1244762 FDSN HU -- BUD iLoc HHZ HHZ _
MORH 0.38 75.0 Lg 08:00:12.849 -0.1 T__ --- 1244764 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=1
A266A 0.42 14.8 Lg 08:00:14.191 -0.0 T__ --- 1244765 FDSN Z6 00 BUD iLoc HHN ??? _
MPLH 1.12 339.8 Sn 08:00:34.304 -2.7 T__ --- 1244766 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/17 09:56:22.40 1.54 1.07 46.3608 21.9141 12.9 5.8 121 4.3 17.7 11 7 202 0.70 1.58 ke BUD 19004162 BUD 223

```

Magnitude Err Nsta Author OrigID

ML 2.3 0.3 4 BUD 19004162

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
DRGR	0.70	51.6	Pg	09:56:36.410	0.1					T__		192.6		---	ML	2.2 1244801	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_		
DRGR	0.70	51.6	Lg	09:56:46.493	-0.5					T__				---		1244800	FDSN	RO	--	BUD	iLoc	HHN	???	_		
(Reading ML: 2.2 magdef=1)																										
(Station ML: 2.2 magdef=1)																										
BZS	0.77	195.7	Pg	09:56:37.506	0.1					T__		124.9		---	ML	2.0 1244797	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_		
BZS	0.77	195.7	Lg	09:56:48.027	-0.3					T__				---		1244798	FDSN	RO	--	BUD	iLoc	HHN	???	_		
(Reading ML: 2.0 magdef=1)																										
(Station ML: 2.0 magdef=1)																										
DEV	0.84	124.4	Lg	09:56:51.095	0.9					T__				---		1244796	FDSN	RO	--	BUD	iLoc	HHN	???	_		
BANR	1.12	209.4	Sn	09:57:02.040	2.1					T__				---		1244802	FDSN	RO	--	BUD	iLoc	HHE	???	_		
GZR	1.14	147.8	Pg	09:56:43.753	-0.3					T__		234.3		---	ML	2.5 1244792	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_		
GZR	1.14	147.8	Lg	09:56:59.534	-0.4					T__				---		1244793	FDSN	RO	--	BUD	iLoc	HHN	???	_		
(Reading ML: 2.5 magdef=1)																										
(Station ML: 2.5 magdef=1)																										
CJR	1.21	72.5	Lg	09:57:01.945	-0.9					T__				---		1244799	FDSN	RO	--	BUD	iLoc	HHN	???	_		
LOT	1.58	124.5	Pn	09:56:52.027	1.1					T__		140.4		---	ML	2.5 1244794	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_		
LOT	1.58	124.5	Sn	09:57:12.465	0.2					T__				---		1244795	FDSN	RO	--	BUD	iLoc	HHN	???	_		
(Reading ML: 2.5 magdef=1)																										
(Station ML: 2.5 magdef=1)																										

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/17	11:59:10.64	1.45	0.22	47.8979	16.0756	14.3	4.1	32	0.0f		6	4	132	0.15	1.18	sx	BUD	19004164	BUD			221

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
CONA	0.15	282.0	Pg	11:59:13.890	0.1					T__		173.3		---	ML	0.9 1245026	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_		
CONA	0.15	282.0	Lg	11:59:15.863	-0.2					T__				---		1245027	FDSN	OE	--	BUD	iLoc	HHN	???	_		
(Reading ML: 0.9 magdef=1)																										
(Station ML: 0.9 magdef=0)																										
RONA	0.25	143.0	Pg	11:59:15.794	-0.1					T__				---		1245029	FDSN	OE	--	BUD	iLoc	HHZ	???	_		
RONA	0.25	143.0	Lg	11:59:19.643	0.2					T__				---		1245028	FDSN	OE	--	BUD	iLoc	HHN	???	_		
ARSA	0.75	210.2	Lg	11:59:34.547	0.0					T__				---		1245030	FDSN	OE	--	BUD	iLoc	HHN	???	_		
KRUC	1.18	10.2	Sn	11:59:50.986	0.2					T__				---		1245031	FDSN	CZ	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/18	06:17:13.03	1.33	2.16	48.2977	21.4945	15.5	4.6	162	0.0f		10	7	148	0.17	1.14	sx	BUD	19004168	BUD			212

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
ABAH	0.17	269.5	Pg	06:17:16.931	0.0					T__		388.1		---	ML	1.4 1246772	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
ABAH	0.17	269.5	Lg	06:17:20.219	-0.1					T__				---		1246773	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.4 magdef=1)																										
(Station ML: 1.4 magdef=1)																										
CP16A	0.64	274.3	Pg	06:17:28.054	2.2					T__		66.9		---	ML	1.7 1246774	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_		
CP16A	0.64	274.3	Lg	06:17:34.246	-1.3					T__				---		1246776	FDSN	Z6	00	BUD	iLoc	HHN	???	_		

```

(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
HU02A 0.67 255.2 Lg 06:17:35.814 -1.8 T__ --- 1246779 FDSN Z6 00 BUD iLoc HHN ??? _
KECS 0.70 285.8 Lg 06:17:35.548 -2.0 T__ --- 1246777 FDSN SK -- BUD iLoc EHN ??? _
TRPA 0.72 103.1 Lg 06:17:37.919 -1.4 T__ --- 1246780 FDSN HU -- BUD iLoc HHN ??? _
KOLS 0.82 38.8 Pg 06:17:29.698 0.9 T__ --- 1246775 FDSN SK -- BUD iLoc HHZ ??? _
KOLS 0.82 38.8 Lg 06:17:38.191 -3.9 T__ --- 1246778 FDSN SK -- BUD iLoc HHN ??? _
PSZ 1.14 251.1 Sn 06:17:52.066 -1.0 T__ --- 1246781 FDSN GE -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/18 07:07:57.74 2.12 0.97 48.9508 18.0617 14.3 5.1 111 0.0f 9 6 244 0.27 1.73 sx BUD 19004170 BUD 291

```

```

Magnitude Err Nsta Author OrigID
ML 1.5 0.2 3 BUD 19004170

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
JAVC 0.27 250.6 Pg 07:08:03.108 -0.6 T__ 189.6 --- ML 1.3 1246807 FDSN CZ -- BUD iLoc HHZ HHZ _
JAVC 0.27 250.6 Lg 07:08:09.355 0.8 T__ --- 1246808 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
MODS 0.78 222.3 Lg 07:08:26.388 0.9 T__ --- 1246811 FDSN SK -- BUD iLoc HHN ??? _
MORC 0.89 337.9 Pg 07:08:14.572 0.2 T__ 44.1 --- ML 1.6 1246810 FDSN CZ -- BUD iLoc HHZ HHZ _
MORC 0.89 337.9 Lg 07:08:26.271 -0.6 T__ --- 1246812 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
VRAC 1.03 290.9 Lg 07:08:33.315 1.2 T__ --- 1246809 FDSN CZ -- BUD iLoc HHN ??? _
KRUC 1.10 276.4 Pg 07:08:18.356 -0.4 T__ 22.9 --- ML 1.5 1246805 FDSN CZ -- BUD iLoc HHZ HHZ _
KRUC 1.10 276.4 Lg 07:08:34.465 -0.4 T__ --- 1246804 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
TREC 1.73 282.5 Sn 07:08:51.362 -1.3 T__ --- 1246806 FDSN CZ -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/18 07:44:10.82 1.38 0.31 48.0527 20.6665 7.6 5.3 170 0.0f 9 6 198 0.12 0.54 sx BUD 19004172 BUD 271
2023/08/18 07:44:10.63 0.96 0.28 48.0471 20.6805f 0.0f 9 6 200 0.13 0.54 kx BUD_GT 19004173 BUD_GT 273

```

```

(locality: Miskolc-Mexikóvölgy Hungary)
(GT info : GT2 explosion)

```

```

Magnitude Err Nsta Author OrigID
ML 1.5 0.1 6 BUD_GT 19004173

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU02A 0.13 305.8 Pg 07:44:13.618 -0.2 T__ 820.4 --- ML 1.6 1246840 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.13 305.8 Lg 07:44:16.103 -0.5 T__ --- 1246841 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
CP17A 0.21 326.7 Pg 07:44:14.940 -0.2 T__ 525.0 --- ML 1.6 1246842 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP17A 0.21 326.7 Lg 07:44:18.773 0.2 T__ --- 1246843 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1

```

```

CP16A 0.31 342.4 Pg      07:44:16.949 -0.1      T__      123.5      ___ ML      1.3 1246845      FDSN Z6      00 BUD      iLoc HHZ HHZ _
CP16A 0.31 342.4 Lg      07:44:22.341  0.3      T__      ___      ___      1246844      FDSN Z6      00 BUD      iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=0
ABAH 0.45 56.1 Pg      07:44:20.061  0.2      T__      62.0      ___ ML      1.3 1246848      FDSN HU      -- BUD      iLoc HHZ HHZ _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
KECS 0.46 343.5 Pg      07:44:20.002  0.1      T__      150.1      ___ ML      1.7 1246846      FDSN SK      -- BUD      iLoc EHZ EHZ _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=0
PSZ 0.54 256.6 Pg      07:44:22.599  0.2      T__      47.8      ___ ML      1.5 1246847      FDSN GE      -- BUD      iLoc HHZ HHZ _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1

```

```

Date      Time      Err      RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/18 09:22:15.20 2.33 0.98 48.6045 20.8068 13.6 7.0 14 0.0f 10 6 256 0.25 0.92 sx BUD 19004174 BUD 320

```

```

Magnitude Err Nsta Author OrigID
ML 1.6 0.2 4 BUD 19004174

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
KECS 0.25 240.5 Pg 09:22:20.286 -0.0 T__ 743.3 ___ ML 1.9 1248901 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.25 240.5 Lg 09:22:24.132 -0.1 T__ ___ 1248902 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
CP16A 0.32 214.2 Pg 09:22:22.718 1.0 T__ 147.8 ___ ML 1.4 1248900 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP16A 0.32 214.2 Lg 09:22:27.211 0.6 T__ ___ 1248899 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
ABAH 0.42 136.8 Lg 09:22:30.528 -0.6 T__ ___ 1248907 FDSN HU -- BUD iLoc HHN ??? _
CP17A 0.43 207.2 Pg 09:22:24.330 0.2 T__ 111.5 ___ ML 1.6 1248898 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP17A 0.43 207.2 Lg 09:22:29.947 -0.8 T__ ___ 1248903 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
HU02A 0.52 201.4 Lg 09:22:32.431 -2.0 T__ ___ 1248904 FDSN Z6 00 BUD iLoc HHN ??? _
PSZ 0.92 221.9 Pn 09:22:34.440 0.0 T__ 35.6 ___ ML 1.6 1248906 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.92 221.9 Lg 09:22:47.762 -0.5 T__ ___ 1248905 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1

```

```

Date      Time      Err      RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/18 11:13:27.11 1.10 1.43 47.5632 18.4618 6.8 4.0 101 0.0f 6 4 145 0.09 1.03 sx BUD 19004176 BUD 249
2023/08/18 11:13:27.13 0.97 1.11 47.5600 18.4573f 0.0f 6 4 145 0.09 1.03 kx BUD_GT 19004177 BUD_GT 246

```

(locality: Tatabánya Hungary)  
(GT info : GT2 explosion)

```

Magnitude Err Nsta Author OrigID

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU09A 0.09 327.2 Pg 11:13:30.039 0.5 T__ 2121.6 ___ ML 1.9 1248945 FDSN Z6 00 BUD iLoc HHZ HHZ _

```

HU09A	0.09	327.2	Lg	11:13:30.651	-1.3	T__									1248949	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1)																							
(Station ML: 1.9 magdef=0)																							
CSKK	0.24	214.2	Pg	11:13:33.105	0.7	T__				172.1		---	ML	1.2	1248946	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.24	214.2	Lg	11:13:35.259	-1.8	T__									1248947	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.2 magdef=1)																							
(Station ML: 1.2 magdef=0)																							
HU08A	0.38	250.6	Lg	11:13:42.343	0.5	T__									1248948	FDSN	Z6	00	BUD	iLoc	HHN	???	_
PSZ	1.03	69.2	Lg	11:14:03.916	-0.6	T__									1248950	FDSN	GE	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/19	08:43:55.83	1.27	0.88	46.8857	20.6718	13.1	4.9	151	9.9	13.5	6	4	130	0.19	1.40	ke	BUD	19004180	BUD			243

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU06A	0.19	202.5	Pg	08:44:00.072	-0.3					T__		463.7		---	ML	1.5	774392	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.19	202.5	Lg	08:44:04.306	0.5					T__				---		774397	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
HU24A	0.33	85.7	Pg	08:44:02.795	-0.4					T__		161.0		---	ML	1.4	774394	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU24A	0.33	85.7	Lg	08:44:09.502	0.9					T__				---		774393	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
PSZ	1.16	333.2	Sn	08:44:34.398	0.2					T__				---		774395	FDSN	GE	--	BUD	iLoc	HHN	???	_	
DRGR	1.40	93.1	Sn	08:44:39.780	-0.4					T__				---		774396	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/19	09:13:27.32	0.68	0.78	46.8635	20.6692	4.3	3.1	153	17.2	5.7	71	53	37	0.17	4.23	ke	BUD	19004182	BUD			57

Magnitude	Err	Nsta	Author	OrigID
ML	4.0	0.1	46 BUD	19004182

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU06A	0.17	204.8	Pg	09:13:31.505	-0.7					T__		55442.4		---	ML	3.5	776741	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.17	204.8	Lg	09:13:36.251	0.6					T__				---		776783	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 3.5 magdef=1)																									
(Station ML: 3.5 magdef=0)																									
HU24A	0.34	82.0	Pg	09:13:34.602	-0.5					T__		101170.0		_d	ML	4.2	776742	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU24A	0.34	82.0	Lg	09:13:41.412	0.9					T__				---		776743	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 4.2 magdef=1)																									
(Station ML: 4.2 magdef=0)																									
HU13A	0.45	286.2	Pg	09:13:36.816	-0.6					T__		13324.7		---	ML	3.7	776744	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.7 magdef=1)																									
(Station ML: 3.7 magdef=0)																									
BSZH	0.52	327.9	Pg	09:13:38.701	0.0					T__		32973.3		---	ML	4.3	776738	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.3 magdef=1)																									
(Station ML: 4.3 magdef=0)																									
HU14A	0.58	224.5	Pg	09:13:39.698	0.3					T__		12281.3		_d	ML	3.9	776745	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU14A	0.58	224.5	Sn	09:13:49.884	0.0					T__				---		776746	FDSN	Z6	00	BUD	iLoc	HHN	???	_	



(Reading ML: 3.9 magdef=1																				
(Station ML: 3.9 magdef=1																				
HU05A	0.76	24.7	Pg	09:13:42.675	-0.3	T__	18859.1	___	ML	4.2	776747	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU05A	0.76	24.7	Sn	09:13:54.421	0.1	T__		---			776748	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 4.2 magdef=1																				
(Station ML: 4.2 magdef=1																				
HU23A	0.83	339.9	Pn	09:13:44.131	-0.0	T__	28498.2	___	ML	4.4	776751	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 4.4 magdef=1																				
(Station ML: 4.4 magdef=0																				
HU21A	0.84	231.0	Pg	09:13:43.601	-0.5	T__	11309.1	___	ML	4.0	776749	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU21A	0.84	231.0	Lg	09:13:56.724	-0.3	T__		---			776750	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 4.0 magdef=1																				
(Station ML: 4.0 magdef=1																				
HU04B	0.85	267.1	Pn	09:13:43.722	-0.7	T__	15099.7	___	ML	4.1	776724	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU04B	0.85	267.1	Sn	09:13:56.494	0.1	T__		---			776733	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 4.1 magdef=1																				
(Station ML: 4.1 magdef=1																				
HU01A	0.86	304.3	Pn	09:13:44.544	-0.1	T__	20194.4	___	ML	4.3	776752	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU01A	0.86	304.3	Sn	09:13:57.204	0.3	T__		---			776734	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 4.3 magdef=1																				
(Station ML: 4.3 magdef=0																				
HU11A	1.11	17.5	Pn	09:13:48.280	0.2	T__	10296.4	___	ML	4.1	776725	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 4.1 magdef=1																				
(Station ML: 4.1 magdef=1																				
A272A	1.18	264.8	Pn	09:13:48.681	-0.3	T__	6319.6	___	ML	4.0	776755	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 4.0 magdef=1																				
(Station ML: 4.0 magdef=1																				
PSZ	1.18	333.8	Pn	09:13:48.468	-0.6	T__	6123.0	___	ML	3.9	776754	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 3.9 magdef=1																				
(Station ML: 3.9 magdef=1																				
HU22A	1.19	243.8	Pn	09:13:48.543	-0.6	T__	8373.5	___	ML	4.1	776753	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 4.1 magdef=1																				
(Station ML: 4.1 magdef=1																				
HU02A	1.26	355.6	Pn	09:13:49.492	-0.8	T__	5381.5	___	ML	3.9	776756	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 3.9 magdef=1																				
(Station ML: 3.9 magdef=1																				
HU03A	1.27	325.5	Pn	09:13:50.082	-0.2	T__	8602.7	___	ML	4.1	776757	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 4.1 magdef=1																				
(Station ML: 4.1 magdef=1																				
BUD	1.28	299.5	Pn	09:13:49.656	-0.8	T__	5321.6	___	ML	3.9	776758	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
BUD	1.28	299.5	Sn	09:14:06.329	-0.9	T__		---			776759	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 3.9 magdef=1																				
(Station ML: 3.9 magdef=1																				
CP17A	1.36	355.5	Pn	09:13:51.292	-0.2	T__	9430.8	___	ML	4.2	776760	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 4.2 magdef=1																				
(Station ML: 4.2 magdef=0																				
HU07A	1.40	36.6	Pn	09:13:51.580	-0.5	T__	6723.4	___	ML	4.1	776762	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU07A	1.40	36.6	Lg	09:14:14.882	0.9	T__		---			776736	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 4.1 magdef=1																				
(Station ML: 4.1 magdef=1																				
DRGR	1.40	92.2	Pn	09:13:51.652	-0.5	T__	3924.3	___	ML	3.9	776761	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
DRGR	1.40	92.2	Sn	09:14:11.525	1.2	T__		---			776735	FDSN	RO	--	BUD	iLoc	BHN	???	_	
(Reading ML: 3.9 magdef=1																				

(Station ML: 3.9 magdef=0																			
BZS	1.41	151.9	Pn	09:13:51.681	-0.5	T__	2844.4	___	ML	3.7	776713	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	1.41	151.9	Pg	09:13:54.157	-0.7	T__		___			776726	FDSN	RO	--	BUD	iLoc	BHZ	???	_
(Reading ML: 3.7 magdef=1																			
(Station ML: 3.7 magdef=0																			
CP16A	1.48	356.7	Pn	09:13:53.555	0.4	T__	4824.3	___	ML	4.0	776763	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.0 magdef=1																			
(Station ML: 4.0 magdef=1																			
ABAH	1.48	14.9	Pn	09:13:52.745	-0.5	T__	4722.7	___	ML	4.0	776764	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	1.48	14.9	Pg	09:13:55.092	-1.6	T__		___			776723	FDSN	HU	--	BUD	iLoc	HHZ	???	_
(Reading ML: 4.0 magdef=1																			
(Station ML: 4.0 magdef=1																			
HU10A	1.49	311.8	Pg	09:13:56.547	-1.1	T__	6033.7	___	ML	4.1	776765	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.1 magdef=1																			
(Station ML: 4.1 magdef=1																			
A267A	1.50	274.0	Pn	09:13:53.502	0.1	T__	7332.6	___	ML	4.2	776727	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.2 magdef=1																			
(Station ML: 4.2 magdef=1																			
BANR	1.52	167.5	Pg	09:13:56.720	0.1	T__	24610.1	___	ML	4.7	776714	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 4.7 magdef=1																			
(Station ML: 4.7 magdef=0																			
MORH	1.54	245.8	Pn	09:13:52.925	-1.1	T__	1732.0	___	ML	3.6	776766	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.6 magdef=1																			
(Station ML: 3.6 magdef=0																			
KECS	1.63	355.7	Pg	09:13:58.015	-1.7	T__	4239.1	___	ML	4.0	776768	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Reading ML: 4.0 magdef=1																			
(Station ML: 4.0 magdef=1																			
A266A	1.69	259.3	Pn	09:13:55.316	-0.7	T__	7128.1	___	ML	4.3	776767	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.3 magdef=1																			
(Station ML: 4.3 magdef=0																			
TRPA	1.79	44.3	Pn	09:13:56.346	-1.1	T__	2454.6	___	ML	3.9	776769	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	1.79	44.3	Pg	09:14:01.386	-0.8	T__		___			776770	FDSN	HU	--	BUD	iLoc	HHZ	???	_
(Reading ML: 3.9 magdef=1																			
(Station ML: 3.9 magdef=0																			
DEV	1.83	121.6	Sn	09:14:20.338	-0.4	T__		___			776771	FDSN	RO	--	BUD	iLoc	BHN	???	_
KOVH	1.94	247.3	Pn	09:13:58.432	-1.0	T__	2199.5	___	ML	3.9	776772	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	1.94	247.3	Pg	09:14:03.404	-1.6	T__		___			776722	FDSN	HU	--	BUD	iLoc	HHZ	???	_
(Reading ML: 3.9 magdef=1																			
(Station ML: 3.9 magdef=1																			
HU08A	1.96	287.9	Sn	09:14:24.510	0.6	T__		___			776773	FDSN	Z6	00	BUD	iLoc	HHN	???	_
GZR	2.08	134.3	Pn	09:14:01.844	0.4	T__	2374.8	___	ML	4.0	776715	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 4.0 magdef=1																			
(Station ML: 4.0 magdef=1																			
BMR	2.09	66.1	Pn	09:14:00.925	-0.6	T__	3684.6	___	ML	4.2	776728	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BMR	2.09	66.1	Pg	09:14:06.929	-0.9	T__		___			776774	FDSN	RO	--	BUD	iLoc	BHZ	???	_
(Reading ML: 4.2 magdef=1																			
(Station ML: 4.2 magdef=1																			
MPLH	2.16	279.3	Pn	09:14:03.101	0.6	T__	1666.4	___	ML	3.9	776716	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.9 magdef=1																			
(Station ML: 3.9 magdef=1																			
A273A	2.19	245.4	Pn	09:14:03.071	0.2	T__	3517.0	___	ML	4.3	776729	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.3 magdef=1																			
(Station ML: 4.3 magdef=0																			

KOLS	2.34	26.9	Lg	09:14:44.551	1.2	T__								776737	FDSN	SK	--	BUD	iLoc	HHN	???	_	
EGYH	2.34	284.9	Pn	09:14:07.519	2.5	T__	1696.0							4.0	776775	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
EGYH	2.34	284.9	Sn	09:14:35.029	1.6	T__								776739	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 4.0 magdef=1)																							
(Station ML: 4.0 magdef=1)																							
MEZ	2.53	48.3	Pn	09:14:07.684	0.0	T__								776730	FDSN	UA	--	BUD	iLoc	BHZ	???	_	
MODS	2.75	304.6	Pn	09:14:11.047	0.4	T__	501701.3							6.7	776717	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 6.7 magdef=1)																							
(Station ML: 6.7 magdef=0)																							
ZST	2.76	300.2	Pn	09:14:11.314	0.6	T__								776776	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
SOP	2.92	287.8	Pn	09:14:13.286	0.4	T__	598.3							3.9	776777	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	2.92	287.8	Sn	09:14:48.119	0.6	T__								776778	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 3.9 magdef=1)																							
(Station ML: 3.9 magdef=0)																							
RONA	3.09	287.3	Pn	09:14:15.611	0.3	T__								776779	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
BURAR	3.19	74.7	Pn	09:14:17.599	0.9	T__								776780	FDSN	RO	--	BUD	iLoc	BHZ	???	_	
PTJ	3.39	255.3	Pg	09:14:31.994	0.4	T__	688.7							4.2	776781	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 4.2 magdef=1)																							
(Station ML: 4.2 magdef=1)																							
CONA	3.43	289.8	Pn	09:14:20.232	0.1	T__	468.2							4.1	776718	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.1 magdef=1)																							
(Station ML: 4.1 magdef=1)																							
ARSA	3.54	278.2	Pn	09:14:21.823	0.3	T__	370.0							4.0	776719	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.0 magdef=1)																							
(Station ML: 4.0 magdef=1)																							
MORC	3.58	325.6	Pn	09:14:22.643	0.5	T__	285.6							3.9	776720	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.9 magdef=1)																							
(Station ML: 3.9 magdef=1)																							
KRUC	3.62	309.0	Pn	09:14:22.820	0.3	T__	195.4							3.8	776731	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.8 magdef=1)																							
(Station ML: 3.8 magdef=0)																							
VRAC	3.67	313.3	Pn	09:14:23.603	0.4	T__	124.7							3.6	776721	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.6 magdef=1)																							
(Station ML: 3.6 magdef=0)																							
CRES	3.76	255.9	Pn	09:14:23.502	-1.0	T__	419.5							4.2	776732	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	3.76	255.9	Pg	09:14:38.153	0.5	T__								776782	FDSN	SL	--	BUD	iLoc	BHZ	???	_	
(Reading ML: 4.2 magdef=1)																							
(Station ML: 4.2 magdef=1)																							
OBKA	4.23	267.4	Pg	09:14:46.215	0.4	T__	294.1							4.1	776740	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.1 magdef=1)																							
(Station ML: 4.1 magdef=1)																							

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/19	09:16:37.91	0.69	0.85	46.8278	20.6576	3.9	3.3	149	13.5	6.2	82	62	46	0.13	3.74	ke	BUD	19004184	BUD			48

Magnitude	Err	Nsta	Author	OrigID
ML	4.1	0.2	54 BUD	19004184

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU06A	0.13	208.2	Pg	09:16:42.207	0.4					T__	125745.0				ML	3.8	777889	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.13	208.2	Lg	09:16:46.599	1.9					T__						777890	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 3.8 magdef=1)																									

(Station ML: 3.8 magdef=0																			
HU24A 0.35 76.4 Pg	09:16:45.279	-0.5	T__	81785.4	___ ML	4.2 777929	FDSN Z6	00 BUD	iLoc	HHZ	HHZ	_							
HU24A 0.35 76.4 Lg	09:16:52.052	0.8	T__		___	777891	FDSN Z6	00 BUD	iLoc	HHN	???	_							
(Reading ML: 4.2 magdef=1																			
(Station ML: 4.2 magdef=1																			
HU12A 0.37 18.0 Pg	09:16:45.317	-0.9	T__	18343.6	___ ML	3.6 777930	FDSN Z6	00 BUD	iLoc	HHZ	HHZ	_							
HU12A 0.37 18.0 Lg	09:16:51.812	-0.2	T__		___	777931	FDSN Z6	00 BUD	iLoc	HHN	???	_							
(Reading ML: 3.6 magdef=1																			
(Station ML: 3.6 magdef=0																			
HU13A 0.46 290.8 Pg	09:16:47.511	-0.4	T__	17359.8	___ ML	3.8 777932	FDSN Z6	00 BUD	iLoc	HHZ	HHZ	_							
HU13A 0.46 290.8 Lg	09:16:54.995	0.2	T__		___	777925	FDSN Z6	00 BUD	iLoc	HHN	???	_							
(Reading ML: 3.8 magdef=1																			
(Station ML: 3.8 magdef=0																			
BSZH 0.54 330.6 Pg	09:16:49.412	-0.2	T__	20939.0	___ ML	4.1 777870	FDSN HU	-- BUD	iLoc	HHZ	HHZ	_							
(Reading ML: 4.1 magdef=1																			
(Station ML: 4.1 magdef=1																			
HU14A 0.55 226.5 Pn	09:16:50.390	-1.0	T__	33269.2	___ ML	4.3 777892	FDSN Z6	00 BUD	iLoc	HHZ	HHZ	_							
(Reading ML: 4.3 magdef=1																			
(Station ML: 4.3 magdef=0																			
HU05A 0.79 24.1 Lg	09:17:05.131	-0.2	T__		___	777923	FDSN Z6	00 BUD	iLoc	HHN	???	_							
HU21A 0.81 232.6 Pg	09:16:54.370	0.3	T__	21869.9	___ ML	4.3 777893	FDSN Z6	00 BUD	iLoc	HHZ	HHZ	_							
(Reading ML: 4.3 magdef=1																			
(Station ML: 4.3 magdef=1																			
HU04B 0.84 269.5 Pg	09:16:54.398	-0.6	T__	19305.4	_d ML	4.3 777933	FDSN Z6	00 BUD	iLoc	HHZ	HHZ	_							
(Reading ML: 4.3 magdef=1																			
(Station ML: 4.3 magdef=1																			
HU23A 0.86 341.2 Pn	09:16:54.928	-0.7	T__	21912.8	___ ML	4.3 777934	FDSN Z6	00 BUD	iLoc	HHZ	HHZ	_							
HU23A 0.86 341.2 Lg	09:17:07.341	-0.3	T__		___	777895	FDSN Z6	00 BUD	iLoc	HHN	???	_							
(Reading ML: 4.3 magdef=1																			
(Station ML: 4.3 magdef=1																			
HU01A 0.88 306.5 Pn	09:16:55.304	-0.6	T__	22261.3	___ ML	4.3 777894	FDSN Z6	00 BUD	iLoc	HHZ	HHZ	_							
HU01A 0.88 306.5 Sn	09:17:07.543	-0.9	T__		___	777935	FDSN Z6	00 BUD	iLoc	HHN	???	_							
(Reading ML: 4.3 magdef=1																			
(Station ML: 4.3 magdef=0																			
LTVH 1.02 56.3 Pn	09:16:56.761	-1.0	T__	7830.0	___ ML	4.0 777936	FDSN HU	-- BUD	iLoc	HHZ	HHZ	_							
(Reading ML: 4.0 magdef=1																			
(Station ML: 4.0 magdef=1																			
HU22A 1.17 245.2 Pn	09:16:59.232	-0.6	T__	22525.1	___ ML	4.5 777937	FDSN Z6	00 BUD	iLoc	HHZ	HHZ	_							
(Reading ML: 4.5 magdef=1																			
(Station ML: 4.5 magdef=0																			
A272A 1.17 266.5 Pn	09:16:59.159	-0.7	T__	10409.9	___ ML	4.2 777896	FDSN Z6	00 BUD	iLoc	HHZ	HHZ	_							
(Reading ML: 4.2 magdef=1																			
(Station ML: 4.2 magdef=1																			
PSZ 1.21 334.9 Pn	09:16:59.156	-1.4	T__	4624.5	___ ML	3.8 777938	FDSN GE	-- BUD	iLoc	HHZ	HHZ	_							
PSZ 1.21 334.9 Sn	09:17:17.202	0.4	T__		___	777939	FDSN GE	-- BUD	iLoc	HHN	???	_							
(Reading ML: 3.8 magdef=1																			
(Station ML: 3.8 magdef=0																			
A271A 1.29 285.3 Pn	09:17:01.332	-0.2	T__	7486.8	___ ML	4.1 777940	FDSN Z6	00 BUD	iLoc	HHZ	HHZ	_							
(Reading ML: 4.1 magdef=1																			
(Station ML: 4.1 magdef=1																			
BUD 1.29 301.1 Pn	09:17:00.334	-1.3	T__	5811.0	___ ML	4.0 777941	FDSN HU	-- BUD	iLoc	HHZ	HHZ	_							
BUD 1.29 301.1 Sn	09:17:18.790	0.0	T__		___	777942	FDSN HU	-- BUD	iLoc	HHN	???	_							
(Reading ML: 4.0 magdef=1																			

(Station ML: 4.0 magdef=1 HU03A 1.29 326.6 Pn (Reading ML: 4.2 magdef=1 (Station ML: 4.2 magdef=1	09:17:00.835 -0.8	T__	9473.5	___ ML	4.2 777897	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Station ML: 4.2 magdef=1 HU02A 1.30 356.1 Pn (Reading ML: 3.7 magdef=1 (Station ML: 3.7 magdef=0	09:17:01.536 -0.2	T__	2694.2	___ ML	3.7 777898	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
BZS 1.38 150.9 Pn BZS 1.38 150.9 Pg (Reading ML: 3.9 magdef=1 (Station ML: 3.9 magdef=1	09:17:02.422 -0.4 09:17:04.986 0.2	T__ T__	4436.1	___ ML ---	3.9 777899 777943	FDSN R0 FDSN R0	-- BUD -- BUD	iLoc iLoc	HHZ HHZ HHZ ???	_
CP17A 1.40 356.0 Pn (Reading ML: 4.1 magdef=1 (Station ML: 4.1 magdef=1	09:17:02.027 -1.0	T__	7301.1	___ ML	4.1 777900	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
DRGR 1.41 90.7 Pn DRGR 1.41 90.7 Sn (Reading ML: 3.9 magdef=1 (Station ML: 3.9 magdef=1	09:17:02.434 -0.9 09:17:22.267 0.5	T__ T__	4433.9	___ ML ---	3.9 777871 777944	FDSN R0 FDSN R0	-- BUD -- BUD	iLoc iLoc	BHZ BHZ BHN ???	_
HU07A 1.44 36.0 Pn HU07A 1.44 36.0 Lg (Reading ML: 3.9 magdef=1 (Station ML: 3.9 magdef=0	09:17:04.549 1.0 09:17:25.856 0.3	T__ T__	3763.7	___ ML ---	3.9 777919 777915	FDSN Z6 FDSN Z6	00 BUD 00 BUD	iLoc iLoc	HHZ HHZ HHN ???	_
A267A 1.50 275.3 Pn (Reading ML: 4.2 magdef=1 (Station ML: 4.2 magdef=1	09:17:03.800 -0.6	T__	6601.1	___ ML	4.2 777945	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
HU10A 1.51 313.0 Pn (Reading ML: 4.1 magdef=1 (Station ML: 4.1 magdef=1	09:17:04.965 0.4	T__	5941.0	___ ML	4.1 777901	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
CP16A 1.52 357.0 Pn (Reading ML: 3.9 magdef=1 (Station ML: 3.9 magdef=1	09:17:04.239 -0.4	T__	3820.7	___ ML	3.9 777946	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
MORH 1.52 246.9 Pn (Reading ML: 3.9 magdef=1 (Station ML: 3.9 magdef=1	09:17:03.608 -1.1	T__	3606.5	___ ML	3.9 777872	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
ABAH 1.52 14.8 Pn (Reading ML: 3.8 magdef=1 (Station ML: 3.8 magdef=0	09:17:05.766 1.0	T__	3086.9	___ ML	3.8 777873	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
A266A 1.68 260.5 Pn (Reading ML: 4.4 magdef=1 (Station ML: 4.4 magdef=0	09:17:06.123 -0.7	T__	10164.0	___ ML	4.4 777902	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
CSKK 1.72 289.0 Pn (Reading ML: 4.1 magdef=1 (Station ML: 4.1 magdef=1	09:17:07.953 0.4	T__	3947.2	___ ML	4.1 777903	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
HU09A 1.75 298.4 Pn (Reading ML: 4.3 magdef=1 (Station ML: 4.3 magdef=1	09:17:07.965 0.1	T__	6568.1	___ ML	4.3 777904	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
FRGS 1.77 199.8 Lg TRPA 1.82 43.7 Pn TRPA 1.82 43.7 Pg (Reading ML: 3.8 magdef=1 (Station ML: 3.8 magdef=0	09:17:36.165 -2.7 09:17:07.176 -1.7 09:17:12.220 -1.2	T__ T__ T__	1947.5	--- ___ ML ---	777947 3.8 777905 777928	FDSN SJ FDSN HU FDSN HU	-- BUD -- BUD -- BUD	iLoc iLoc iLoc	BHE ??? HHZ HHZ HHZ ???	_
SRO 1.87 302.6 Pn SRO 1.87 302.6 Sn	09:17:10.494 0.9 09:17:34.224 1.1	T__ T__	21318.0	___ ML ---	4.9 777948 777927	FDSN SK FDSN SK	-- BUD -- BUD	iLoc iLoc	EHZ EHZ EHN ???	_

(Reading ML: 4.9 magdef=1 (Station ML: 4.9 magdef=0 KOVH 1.92 248.2 Pn 09:17:09.223 -1.0	T__	3685.6	___ ML	4.1 777906	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
KOVH 1.92 248.2 Lg 09:17:41.366 0.1	T__		---	777926	FDSN HU	-- BUD	iLoc	HHN ???	_
(Reading ML: 4.1 magdef=1 (Station ML: 4.1 magdef=1 HU08A 1.96 288.9 Pn 09:17:10.880 0.1	T__	2743.2	___ ML	4.0 777907	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
HU08A 1.96 288.9 Sn 09:17:36.114 0.9	T__		---	777924	FDSN Z6	00 BUD	iLoc	HHE ???	_
(Reading ML: 4.0 magdef=1 (Station ML: 4.0 magdef=1 GZR 2.06 133.5 Pn 09:17:12.532 0.4	T__	3679.6	___ ML	4.2 777874	FDSN RO	-- BUD	iLoc	BHZ BHZ	_
(Reading ML: 4.2 magdef=1 (Station ML: 4.2 magdef=1 BMR 2.11 65.3 Pn 09:17:12.831 -0.0	T__	3510.4	___ ML	4.2 777908	FDSN RO	-- BUD	iLoc	BHZ BHZ	_
BMR 2.11 65.3 Pg 09:17:17.753 -1.0	T__	3517.5	___ ML	4.2 777875	FDSN RO	-- BUD	iLoc	BHZ BHZ	_
(Reading ML: 4.2 magdef=1 (Station ML: 4.2 magdef=1 MPLH 2.16 280.3 Pg 09:17:19.846 -0.2	T__	1824.5	___ ML	4.0 777876	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.0 magdef=1 (Station ML: 4.0 magdef=1 A273A 2.17 246.2 Pn 09:17:13.288 -0.3	T__	3424.2	___ ML	4.2 777909	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
A273A 2.17 246.2 Pg 09:17:19.467 -0.2	T__		---	777920	FDSN Z6	00 BUD	iLoc	HHZ ???	_
A273A 2.17 246.2 Lg 09:17:50.030 1.3	T__		---	777921	FDSN Z6	00 BUD	iLoc	HHN ???	_
(Reading ML: 4.2 magdef=1 (Station ML: 4.2 magdef=1 BADH 2.19 270.6 Lg 09:17:50.467 0.3	T__		---	777949	FDSN HU	-- BUD	iLoc	HHN ???	_
A263A 2.31 266.6 Lg 09:17:54.363 0.7	T__		---	777916	FDSN Z6	00 BUD	iLoc	HHN ???	_
EGYH 2.35 285.8 Pn 09:17:16.745 0.7	T__	2004.8	___ ML	4.1 777877	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.1 magdef=1 (Station ML: 4.1 magdef=1 A264A 2.42 255.2 Pn 09:17:16.474 -0.6	T__	2885.5	___ ML	4.3 777910	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
A264A 2.42 255.2 Lg 09:17:57.722 1.1	T__		---	777917	FDSN Z6	00 BUD	iLoc	HHN ???	_
(Reading ML: 4.3 magdef=1 (Station ML: 4.3 magdef=1 DJES 2.52 148.2 Pn 09:17:18.609 0.1	T__	19645.6	___ ML	5.2 777878	FDSN SJ	-- BUD	iLoc	BHZ BHZ	_
(Reading ML: 5.2 magdef=1 (Station ML: 5.2 magdef=0 LOT 2.57 121.4 Pn 09:17:19.308 0.1	T__	2840.5	___ ML	4.4 777879	FDSN RO	-- BUD	iLoc	BHZ BHZ	_
(Reading ML: 4.4 magdef=1 (Station ML: 4.4 magdef=0 MODS 2.76 305.3 Pn 09:17:21.743 -0.1	T__		---	777950	FDSN SK	-- BUD	iLoc	HHZ ???	_
ZST 2.77 300.9 Pn 09:17:21.893 -0.0	T__		---	777911	FDSN SK	-- BUD	iLoc	HHZ ???	_
JAVC 2.86 316.4 Pn 09:17:23.729 0.5	T__	902.3	___ ML	4.0 777912	FDSN CZ	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.0 magdef=1 (Station ML: 4.0 magdef=1 SOP 2.92 288.5 Pn 09:17:23.964 -0.0	T__	908.3	___ ML	4.1 777913	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.1 magdef=1 (Station ML: 4.1 magdef=1 BBLS 3.09 197.1 Pn 09:17:27.104 0.7	T__	2022.1	___ ML	4.5 777880	FDSN SJ	-- BUD	iLoc	BHZ BHZ	_
(Reading ML: 4.5 magdef=1 (Station ML: 4.5 magdef=0 RONA 3.10 288.0 Pn 09:17:26.368 -0.1	T__	545.4	___ ML	4.0 777881	FDSN OE	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.0 magdef=1									

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(Station ML: 4.0 magdef=1
BLY 3.20 230.7 Lg 09:18:22.978 2.9 T__ --- 777918 FDSN MN -- BUD iLoc HHN ??? _
BURAR 3.21 74.1 Pn 09:17:28.442 0.4 T__ --- 777914 FDSN RO -- BUD iLoc BHZ ??? _
PTJ 3.37 255.9 Pg 09:17:42.239 0.4 T__ 1080.5 --- ML 4.4 777882 FDSN CR -- BUD iLoc BHZ BHZ _
(Reading ML: 4.4 magdef=1
(Station ML: 4.4 magdef=0
ZAG 3.39 254.5 Pg 09:17:42.286 0.6 T__ 3908.6 --- ML 5.0 777883 FDSN CR -- BUD iLoc BHZ BHZ _
(Reading ML: 5.0 magdef=1
(Station ML: 5.0 magdef=0
CONA 3.44 290.4 Pn 09:17:30.965 -0.2 T__ 438.8 --- ML 4.1 777884 FDSN OE -- BUD iLoc HHZ HHZ _
(Reading ML: 4.1 magdef=1
(Station ML: 4.1 magdef=1
ARSA 3.54 278.7 Pn 09:17:32.852 0.4 T__ 347.5 --- ML 4.0 777885 FDSN OE -- BUD iLoc HHZ HHZ _
(Reading ML: 4.0 magdef=1
(Station ML: 4.0 magdef=1
MORC 3.61 326.0 Pn 09:17:33.473 -0.0 T__ 269.6 --- ML 3.9 777951 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 3.9 magdef=1
(Station ML: 3.9 magdef=1
KRUC 3.63 309.5 Pn 09:17:33.356 -0.4 T__ 181.2 --- ML 3.8 777886 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 3.8 magdef=1
(Station ML: 3.8 magdef=0
VRAC 3.69 313.8 Pn 09:17:34.368 -0.1 T__ 171.0 --- ML 3.8 777888 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 3.8 magdef=1
(Station ML: 3.8 magdef=0
CRES 3.74 256.3 Pn 09:17:34.018 -1.2 T__ 430.9 --- ML 4.2 777887 FDSN SL -- BUD iLoc BHZ BHZ _
CRES 3.74 256.3 Pg 09:17:48.639 0.8 T__ --- 777922 FDSN SL -- BUD iLoc BHZ ??? _
(Reading ML: 4.2 magdef=1
(Station ML: 4.2 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/19 09:17:51.99 0.90 0.72 46.8750 20.6522 6.1 3.3 118 9.9 0.5 12 8 115 0.17 1.16 ke BUD 19004186 BUD 178

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Magnitude Err Nsta Author OrigID
ML 3.1 0.7 4 BUD 19004186

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU06A 0.17 199.7 Pg 09:17:55.892 -0.4 T__ 5430.3 --- ML 2.5 778154 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.17 199.7 Lg 09:18:00.154 0.7 T__ --- 778158 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=1
HU12A 0.33 21.1 Pg 09:17:59.122 -0.2 T__ 2639.5 --- ML 2.6 778163 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU12A 0.33 21.1 Lg 09:18:04.911 0.2 T__ --- 778159 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.6 magdef=1
(Station ML: 2.6 magdef=1
HU24A 0.35 84.1 Lg 09:18:05.599 0.4 T__ --- 778155 FDSN Z6 00 BUD iLoc HHN ??? _
HU13A 0.44 285.1 Lg 09:18:08.565 0.4 T__ --- 778162 FDSN Z6 00 BUD iLoc HHN ??? _
HU14A 0.58 222.9 Lg 09:18:14.110 1.3 T__ --- 778156 FDSN Z6 00 BUD iLoc HHN ??? _
HU04B 0.84 266.2 Pg 09:18:08.695 -0.3 T__ 3571.2 --- ML 3.5 778164 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU04B 0.84 266.2 Lg 09:18:21.933 0.4 T__ --- 778160 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 3.5 magdef=1
(Station ML: 3.5 magdef=1
HU21A 0.84 229.9 Pg 09:18:07.838 -0.9 T__ 3613.1 --- ML 3.5 778165 FDSN Z6 00 BUD iLoc HHZ HHZ _

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HU21A	0.84	229.9	Lg	09:18:20.929	-0.6	T__	---	778161	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 3.5 magdef=1)																
(Station ML: 3.5 magdef=1)																
PSZ	1.16	334.0	Sn	09:18:30.286	-0.2	T__	---	778157	FDSN	GE	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/19	09:37:24.60	0.84	0.90	46.8822	20.6458	6.3	3.5	133	7.7	7.3	19	13	112	0.18	2.33	ke	BUD	19004188	BUD			170

Magnitude	Err	Nsta	Author	OrigID
ML	2.2	0.0	6 BUD	19004188

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU06A	0.18	197.6	Pg	09:37:28.317	-0.5					T__		1961.5		---	ML	2.1	778332	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.18	197.6	Lg	09:37:32.491	0.4					T__				---		778347	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=0)																									
HU12A	0.33	22.3	Lg	09:37:38.189	1.0					T__				---		778334	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU24A	0.35	85.3	Pg	09:37:31.702	-0.5					T__		887.7		---	ML	2.2	778346	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
HU13A	0.43	284.4	Lg	09:37:41.062	0.4					T__				---		778341	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU14A	0.58	222.1	Pg	09:37:36.900	0.3					T__		561.1		---	ML	2.6	778348	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU14A	0.58	222.1	Lg	09:37:46.674	1.1					T__				---		778333	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.6 magdef=1)																									
(Station ML: 2.6 magdef=0)																									
HU04B	0.83	265.7	Pg	09:37:41.064	-0.6					T__		183.8		---	ML	2.2	778349	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU04B	0.83	265.7	Lg	09:37:53.744	-0.1					T__				---		778335	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
HU21A	0.84	229.3	Pg	09:37:40.483	-1.0					T__		195.6		---	ML	2.3	778342	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU21A	0.84	229.3	Lg	09:37:53.903	0.0					T__				---		778336	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=1)																									
HU01A	0.84	303.8	Lg	09:37:54.420	0.4					T__				---		778343	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	1.16	334.1	Sn	09:38:03.125	-0.1					T__				---		778344	FDSN	GE	--	BUD	iLoc	HHN	???	_	
PSZ	1.16	334.1	Lg	09:38:03.577	-1.0					T__				---		778337	FDSN	GE	--	BUD	iLoc	HHN	???	_	
HU22A	1.18	242.6	Pn	09:37:46.768	-0.7					T__		135.3		---	ML	2.3	778350	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU22A	1.18	242.6	Sn	09:38:04.402	0.7					T__				---		778345	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=1)																									
ABAH	1.47	15.6	Sn	09:38:12.246	1.4					T__				---		778338	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MORH	1.53	244.9	Sn	09:38:13.621	1.2					T__				---		778339	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOLS	2.33	27.5	Lg	09:38:42.061	1.6					T__				---		778340	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/19	09:39:49.59	2.46	1.12	46.8353	20.8638	19.5	6.4	112	10.0f		7	6	241	0.24	1.30	ke	BUD	19004190	BUD			268

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
-----	------	------	-------	------	------	------	-------	------	------	-----	-----	-----	-----	------	-----------	-------	-----	--------	----	------	-----	-----	-----	---



HU06A	0.24	239.0	Pg	09:39:55.236	0.2	T__				621.8	---	ML	1.8	778453	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.24	239.0	Lg	09:39:59.923	0.8	T__					---			778455	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1)																						
(Station ML: 1.8 magdef=0)																						
HU12A	0.35	355.8	Lg	09:40:03.537	0.7	T__					---			778452	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU13A	0.59	285.3	Lg	09:40:10.933	0.2	T__					---			778454	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU21A	0.93	237.7	Sn	09:40:20.825	-1.7	T__					---			778456	FDSN	Z6	00	BUD	iLoc	HHN	???	_
PSZ	1.27	329.1	Sn	09:40:30.105	-0.9	T__					---			778457	FDSN	GE	--	BUD	iLoc	HHN	???	_
HU22A	1.30	247.6	Sn	09:40:31.420	-0.2	T__					---			778458	FDSN	Z6	00	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/19	09:41:17.00	1.26	0.80	46.8394	20.6781	10.3	6.2	132	11.5	13.0	9	7	119	0.15	1.40	ke	BUD	19004192	BUD			194

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
HU06A	0.15	210.9	Pg	09:41:21.102	0.2					T__		688.7			---	ML	1.5	778541	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.15	210.9	Lg	09:41:23.508	-0.4					T__					---		778542	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																										
(Station ML: 1.5 magdef=1)																										
HU12A	0.36	16.4	Lg	09:41:30.916	0.3					T__					---		778543	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU13A	0.47	288.8	Lg	09:41:33.633	-0.5					T__					---		778544	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU21A	0.83	232.6	Pg	09:41:33.496	-0.0					T__		145.1			---	ML	2.1	778545	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU21A	0.83	232.6	Lg	09:41:46.797	0.6					T__					---		778539	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																										
(Station ML: 2.1 magdef=1)																										
HU04B	0.85	268.7	Lg	09:41:46.988	-0.1					T__					---		778540	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	1.20	334.0	Sn	09:41:56.049	-0.1					T__					---		778546	FDSN	GE	--	BUD	iLoc	HHN	???	_	
DRGR	1.40	91.2	Lg	09:42:01.222	-1.5					T__					---		778547	FDSN	R0	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/08/19	09:39:05.69	1.21	0.23	46.8452	20.6450	10.7	7.3	104	10.0f		4	4	181	0.14	1.19	ke	BUD	19004194	BUD					268

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
HU06A	0.14	201.9	Pg	09:39:09.412	-0.0					T__		514.3			---	ML	1.4	778565	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.4 magdef=1)																										
(Station ML: 1.4 magdef=0)																										
HU12A	0.36	20.1	Lg	09:39:19.409	0.1					T__					---		778566	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU13A	0.44	289.0	Lg	09:39:22.111	0.1					T__					---		778567	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	1.19	334.9	Sn	09:39:44.534	-0.7					T__					---		778568	FDSN	GE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/08/19	10:16:10.67	1.93	0.35	46.8485	20.5985	20.0	8.7	79	10.0f		5	4	212	0.14	1.17	ke	BUD	19004196	BUD					280

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
-----	------	------	-------	------	------	------	-------	------	------	-----	-----	-----	-----	------	-----------	-------	-----	--------	----	------	-----	-----	-----	---

HU06A	0.14	188.9	Pg	10:16:14.486	0.2	T__	591.2	___	ML	1.5	778601	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.14	188.9	Lg	10:16:16.766	-0.4	T__		---			778600	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.5 magdef=1)																			
(Station ML: 1.5 magdef=0)																			
HU21A	0.79	229.6	Sn	10:16:40.097	-0.1	T__		---			778602	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU04B	0.80	267.9	Sn	10:16:40.484	0.1	T__		---			778603	FDSN	Z6	00	BUD	iLoc	HHN	???	_
PSZ	1.17	336.2	Sn	10:16:49.523	-0.2	T__		---			778604	FDSN	GE	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/19	10:17:30.56	0.75	0.91	46.8450	20.6782	5.6	3.3	135	13.0	7.6	14	9	118	0.15	1.40		ke BUD	19004198	BUD			134

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.1	6 BUD	19004198

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU06A	0.15	209.8	Pg	10:17:34.786	0.1					T__		2727.8		---	ML	2.2	778687	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.15	209.8	Lg	10:17:37.039	-0.8					T__				---		778692	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
HU24A	0.34	78.7	Pg	10:17:38.091	0.1					T__		354.8		---	ML	1.8	778693	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU24A	0.34	78.7	Lg	10:17:44.421	1.0					T__				---		778690	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=0)																									
HU12A	0.35	16.7	Pg	10:17:38.090	-0.3					T__		518.5		---	ML	2.0	778694	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU12A	0.35	16.7	Lg	10:17:44.613	0.6					T__				---		778691	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
HU14A	0.57	226.3	Lg	10:17:52.771	1.7					T__				---		778688	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU21A	0.83	232.3	Pg	10:17:46.972	-0.2					T__		257.5		---	ML	2.4	778689	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU21A	0.83	232.3	Lg	10:18:00.270	0.3					T__				---		778696	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=0)																									
HU23A	0.85	340.0	Lg	10:18:01.222	1.3					T__				---		778695	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU01A	0.88	305.0	Lg	10:18:00.958	-0.5					T__				---		778697	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	1.20	333.9	Pn	10:17:52.985	-0.1					T__		53.4		---	ML	1.9	778698	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.20	333.9	Sn	10:18:09.782	0.5					T__				---		778699	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
DRGR	1.40	91.5	Pn	10:17:54.858	-1.0					T__		33.2		---	ML	1.8	778700	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/08/19	10:18:18.88	1.01	0.44	46.8504	20.6335	9.9	6.7	119	8.0	11.0	6	5	117	0.15	1.18		ke BUD	19004200	BUD					176

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU06A	0.15	198.2	Pg	10:18:22.635	0.1					T__		1487.6		---	ML	1.9	778775	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.15	198.2	Lg	10:18:24.931	-0.4					T__				---		778776	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

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(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
HU12A 0.36 21.6 Lg 10:18:32.524 -0.1 T__ --- 778778 FDSN Z6 00 BUD iLoc HHN ??? _
HU24A 0.37 80.5 Lg 10:18:32.759 -0.0 T__ --- 778777 FDSN Z6 00 BUD iLoc HHN ??? _
HU14A 0.56 223.7 Pg 10:18:30.665 0.3 T__ 188.8 --- ML 2.1 778779 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
PSZ 1.18 335.1 Sn 10:18:57.733 -0.4 T__ --- 778774 FDSN GE -- BUD iLoc HHN ??? _

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/19	10:36:19.93	0.73	0.76	46.8332	20.6800	4.9	3.2	145	10.0f		19	15	121	0.14	1.93	ke	BUD	19004202	BUD			136

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Magnitude Err Nsta Author OrigID
ML 2.3 0.1 7 BUD 19004202

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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
HU06A	0.14	212.6	Pg	10:36:23.876	0.2					T__		3335.9		---	ML	2.2	778921	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU06A	0.14	212.6	Lg	10:36:26.166	-0.4					T__				---		778928	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 2.2 magdef=1 (Station ML: 2.2 magdef=1																										
HU24A	0.34	76.7	Pg	10:36:27.259	-0.1					T__		532.6		---	ML	2.0	778922	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU24A	0.34	76.7	Lg	10:36:33.614	0.9					T__				---		778933	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 2.0 magdef=1 (Station ML: 2.0 magdef=1																										
HU12A	0.36	16.0	Lg	10:36:33.603	-0.1					T__				---		778923	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
HU13A	0.47	289.5	Lg	10:36:36.706	-0.4					T__				---		778929	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
BSZH	0.55	329.0	Pg	10:36:32.440	0.7					T__		287.5		---	ML	2.3	778924	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 2.3 magdef=1 (Station ML: 2.3 magdef=1																										
HU14A	0.57	227.2	Pg	10:36:31.875	0.3					T__		598.5		---	ML	2.6	778934	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 2.6 magdef=1 (Station ML: 2.6 magdef=0																										
HU21A	0.83	233.0	Pg	10:36:36.275	-0.1					T__		325.6		---	ML	2.5	778935	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU21A	0.83	233.0	Lg	10:36:49.642	0.6					T__				---		778936	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 2.5 magdef=1 (Station ML: 2.5 magdef=1																										
HU04B	0.85	269.1	Lg	10:36:48.714	-1.4					T__				---		778925	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
HU23A	0.86	340.2	Lg	10:36:50.263	0.9					T__				---		778937	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
HU22A	1.18	245.2	Pn	10:36:42.160	-0.6					T__		155.4		---	ML	2.3	778930	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 2.3 magdef=1 (Station ML: 2.3 magdef=1																										
PSZ	1.21	334.1	Sn	10:36:58.884	-1.1					T__				---		778938	FDSN	GE	--	BUD	iLoc	HHN	???	_		
DRGR	1.40	91.0	Sn	10:37:03.794	-0.7					T__				---		778939	FDSN	RO	--	BUD	iLoc	HHN	???	_		
ABAH	1.51	14.3	Lg	10:37:09.819	-0.3					T__				---		778926	FDSN	HU	--	BUD	iLoc	HHN	???	_		
MORH	1.54	247.0	Pn	10:36:47.812	0.1					T__		29.1		---	ML	1.8	778931	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
MORH	1.54	247.0	Sn	10:37:09.249	1.4					T__				---		778932	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.8 magdef=1 (Station ML: 1.8 magdef=0																										
KOVH	1.93	248.3	Lg	10:37:24.207	0.5					T__				---		778927	FDSN	HU	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/19	10:36:54.41	1.10	0.59	46.8224	20.6911	9.7	4.2	154	14.1	10.9	7	5	143	0.14	0.86	ke	BUD	19004204	BUD			203

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU06A	0.14	217.7	Pg	10:36:58.783	0.3					T__		942.1		---	ML	1.7	779006	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.14	217.7	Lg	10:37:01.070	-0.4					T__				---		779003	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
HU24A	0.33	74.6	Pg	10:37:02.123	0.2					T__		233.4		---	ML	1.6	779002	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU24A	0.33	74.6	Lg	10:37:06.511	-0.7					T__				---		779001	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
HU12A	0.37	14.4	Lg	10:37:08.634	0.1					T__				---		779007	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU13A	0.48	290.4	Lg	10:37:11.565	-0.5					T__				---		779004	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU04B	0.86	269.9	Sn	10:37:24.445	0.0					T__				---		779005	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/19	10:39:02.82	1.05	0.45	46.8503	20.6114	11.3	5.3	111	10.0f		5	4	143	0.14	1.17	ke	BUD	19004206	BUD			254

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU06A	0.14	192.3	Pg	10:39:06.753	0.2					T__		569.4		---	ML	1.4	779053	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.14	192.3	Lg	10:39:09.032	-0.3					T__				---		779054	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=0)																									
HU12A	0.36	23.8	Lg	10:39:16.678	0.1					T__				---		779055	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU24A	0.38	80.8	Lg	10:39:16.743	-0.2					T__				---		779051	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	1.17	335.8	Sn	10:39:41.576	-0.4					T__				---		779052	FDSN	GE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/19	10:51:12.05	0.73	0.82	46.8481	20.6638	4.6	3.7	144	13.2	6.9	40	33	54	0.15	3.75	ke	BUD	19004208	BUD			73

Magnitude Err Nsta Author OrigID  
ML 3.0 0.2 28 BUD 19004208

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU06A	0.15	206.0	Pg	10:51:16.265	0.1					T__		38444.0		---	ML	3.3	779681	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.15	206.0	Lg	10:51:18.850	-0.4					T__				---		779682	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 3.3 magdef=1)																									
(Station ML: 3.3 magdef=1)																									
HU24A	0.35	79.5	Pg	10:51:19.696	-0.0					T__		6123.7		---	ML	3.0	779660	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU24A	0.35	79.5	Lg	10:51:24.246	-0.9					T__				---		779683	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 3.0 magdef=1)																									
(Station ML: 3.0 magdef=1)																									
HU12A	0.35	18.4	Pg	10:51:19.742	-0.2					T__		3540.0		---	ML	2.8	779684	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU12A	0.35	18.4	Lg	10:51:26.430	0.9					T__				---		779685	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.8 magdef=1)																									

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(Station ML: 2.8 magdef=1
HU13A 0.45 288.2 Pg 10:51:21.895 -0.1 T__ 1663.8 --- ML 2.8 779686 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU13A 0.45 288.2 Lg 10:51:29.371 0.5 T__ --- 779687 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.8 magdef=1
(Station ML: 2.8 magdef=0
BSZH 0.53 329.2 Pg 10:51:23.818 0.3 T__ 4866.0 --- ML 3.5 779661 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 3.5 magdef=1
(Station ML: 3.5 magdef=0
HU14A 0.57 225.4 Pg 10:51:24.461 0.7 T__ 5515.7 --- ML 3.6 779676 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 3.6 magdef=1
(Station ML: 3.6 magdef=0
HU21A 0.83 231.7 Pg 10:51:28.490 -0.1 T__ 2753.5 --- ML 3.4 779688 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 3.4 magdef=1
(Station ML: 3.4 magdef=0
HU23A 0.84 340.5 Pg 10:51:29.281 -0.3 T__ 1614.1 --- ML 3.2 779662 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 3.2 magdef=1
(Station ML: 3.2 magdef=1
HU04B 0.84 268.1 Pg 10:51:28.533 -0.7 T__ 1637.2 --- ML 3.2 779689 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 3.2 magdef=1
(Station ML: 3.2 magdef=1
HU01A 0.87 305.2 Lg 10:51:42.699 0.1 T__ --- 779690 FDSN Z6 00 BUD iLoc HHN ??? _
LTVH 1.00 57.1 Pn 10:51:31.029 -0.7 T__ --- ML 3.1 779663 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 3.1 magdef=1
(Station ML: 3.1 magdef=1
HU22A 1.18 244.3 Pn 10:51:33.300 -0.9 T__ 1835.5 --- ML 3.4 779691 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU22A 1.18 244.3 Pg 10:51:34.563 -0.7 T__ --- 779677 FDSN Z6 00 BUD iLoc HHZ ??? _
(Reading ML: 3.4 magdef=1
(Station ML: 3.4 magdef=0
PSZ 1.19 334.3 Pn 10:51:33.451 -1.0 T__ 540.5 --- ML 2.9 779664 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 1.19 334.3 Sn 10:51:51.533 1.0 T__ --- 779678 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 2.9 magdef=1
(Station ML: 2.9 magdef=1
HU02A 1.28 355.8 Pn 10:51:34.693 -0.9 T__ 241.9 --- ML 2.6 779692 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.6 magdef=1
(Station ML: 2.6 magdef=0
HU03A 1.28 326.0 Pn 10:51:35.122 -0.5 T__ 598.3 --- ML 3.0 779665 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 3.0 magdef=1
(Station ML: 3.0 magdef=1
CP17A 1.38 355.7 Pn 10:51:36.351 -0.5 T__ 531.7 --- ML 3.0 779693 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 3.0 magdef=1
(Station ML: 3.0 magdef=1
BZS 1.40 151.4 Pn 10:51:37.305 0.1 T__ 246.7 --- ML 2.7 779694 FDSN RO -- BUD iLoc BHZ BHZ _
(Reading ML: 2.7 magdef=1
(Station ML: 2.7 magdef=0
DRGR 1.41 91.6 Pn 10:51:36.565 -0.9 T__ 354.4 --- ML 2.8 779666 FDSN RO -- BUD iLoc BHZ BHZ _
(Reading ML: 2.8 magdef=1
(Station ML: 2.8 magdef=1
CP16A 1.50 356.8 Pn 10:51:38.398 -0.2 T__ 348.7 --- ML 2.9 779667 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.9 magdef=1
(Station ML: 2.9 magdef=1
ABAH 1.50 14.9 Sn 10:51:59.289 1.3 T__ --- 779679 FDSN HU -- BUD iLoc HHN ??? _
MORH 1.53 246.3 Pn 10:51:37.756 -1.3 T__ --- ML 2.7 779695 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 2.7 magdef=1

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(Station ML: 2.7 magdef=0
A266A 1.68 259.8 Pn 10:51:40.325 -0.8 T__ 923.4 ___ ML 3.4 779696 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 3.4 magdef=1
(Station ML: 3.4 magdef=0
GZR 2.07 134.0 Pn 10:51:46.868 0.4 T__ 137.6 ___ ML 2.8 779697 FDSN R0 -- BUD iLoc BHZ BHZ _
(Reading ML: 2.8 magdef=1
(Station ML: 2.8 magdef=1
BMR 2.10 65.8 Pg 10:51:52.362 -0.3 T__ 329.6 ___ ML 3.2 779680 FDSN R0 -- BUD iLoc HHZ HHZ _
(Reading ML: 3.2 magdef=1
(Station ML: 3.2 magdef=1
KOLS 2.35 26.8 Pg 10:51:57.919 0.9 T__ ___ 779673 FDSN SK -- BUD iLoc HHZ ??? _
KOLS 2.35 26.8 Lg 10:52:30.217 1.7 T__ ___ 779672 FDSN SK -- BUD iLoc HHN ??? _
MODS 2.75 304.9 Pn 10:51:56.119 0.2 T__ ___ 779698 FDSN SK -- BUD iLoc HHZ ??? _
JAVC 2.85 316.0 Pg 10:52:06.524 -2.3 T__ 57.7 ___ ML 2.8 779674 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 2.8 magdef=1
(Station ML: 2.8 magdef=1
RONA 3.09 287.6 Pn 10:52:00.615 0.0 T__ ___ 779668 FDSN OE -- BUD iLoc HHZ ??? _
PTJ 3.38 255.6 Pg 10:52:16.827 0.7 T__ 77.8 ___ ML 3.3 779675 FDSN CR -- BUD iLoc BHZ BHZ _
(Reading ML: 3.3 magdef=1
(Station ML: 3.3 magdef=1
CONA 3.44 290.1 Pn 10:52:05.268 -0.1 T__ 40.9 ___ ML 3.0 779699 FDSN OE -- BUD iLoc HHZ HHZ _
(Reading ML: 3.0 magdef=1
(Station ML: 3.0 magdef=1
MORC 3.60 325.7 Pn 10:52:07.622 0.2 T__ 35.5 ___ ML 3.0 779669 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 3.0 magdef=1
(Station ML: 3.0 magdef=1
VRAC 3.67 313.5 Pn 10:52:08.594 0.1 T__ 14.3 ___ ML 2.7 779670 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 2.7 magdef=1
(Station ML: 2.7 magdef=0
CRES 3.75 256.1 Pg 10:52:23.141 1.0 T__ 50.1 ___ ML 3.2 779671 FDSN SL -- BUD iLoc BHZ BHZ _
(Reading ML: 3.2 magdef=1
(Station ML: 3.2 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/19 11:13:26.63 2.49 1.30 46.8200 20.7122 8.7 3.4 145 0.2 3.9 6 4 149 0.15 0.49 ke BUD 19004210 BUD 216

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
HU06A 0.15 222.8 Pg 11:13:30.525 0.1 T__ 600.0 ___ ML 1.5 779797 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.15 222.8 Lg 11:13:32.840 -0.7 T__ ___ 779798 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
HU24A 0.32 73.5 Pg 11:13:33.724 -0.1 T__ 127.8 ___ ML 1.3 779795 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU24A 0.32 73.5 Lg 11:13:40.644 1.0 T__ ___ 779799 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
HU12A 0.37 12.1 Lg 11:13:40.606 -1.0 T__ ___ 779800 FDSN Z6 00 BUD iLoc HHN ??? _
HU13A 0.49 290.1 Lg 11:13:46.360 0.8 T__ ___ 779796 FDSN Z6 00 BUD iLoc HHN ??? _

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/19	11:17:04.10	0.87	0.88	46.8442	20.7063	6.7	4.1	127	17.4	8.9	14	9	138	0.16	2.34	ke	BUD	19004212	BUD			189

Magnitude	Err	Nsta	Author	OrigID
ML	2.3	0.3	8 BUD	19004212

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU06A	0.16	215.9	Pg	11:17:07.990	-0.9					T__		3222.2		___	ML	2.3	779919	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.16	215.9	Lg	11:17:12.671	0.3					T__				---		779927	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.3 magdef=1)																					
				(Station ML: 2.3 magdef=1)																					
HU24A	0.32	77.9	Pg	11:17:11.357	-0.1					T__		681.1		___	ML	2.0	779920	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU24A	0.32	77.9	Lg	11:17:17.678	1.0					T__				---		779914	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.0 magdef=1)																					
				(Station ML: 2.0 magdef=1)																					
HU12A	0.35	13.6	Pg	11:17:11.269	-0.9					T__		541.3		___	ML	2.0	779921	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU12A	0.35	13.6	Lg	11:17:17.870	0.1					T__				---		779922	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.0 magdef=1)																					
				(Station ML: 2.0 magdef=0)																					
BSZH	0.55	326.8	Pg	11:17:16.559	0.5					T__		519.0		___	ML	2.5	779923	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.5 magdef=1)																					
				(Station ML: 2.5 magdef=1)																					
HU14A	0.59	227.7	Pg	11:17:16.013	-0.3					T__		537.5		___	ML	2.6	779915	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU14A	0.59	227.7	Lg	11:17:26.083	0.8					T__				---		779916	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.6 magdef=1)																					
				(Station ML: 2.6 magdef=0)																					
HU21A	0.85	233.2	Pg	11:17:20.215	-0.9					T__		279.1		___	ML	2.4	779917	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.4 magdef=1)																					
				(Station ML: 2.4 magdef=1)																					
HU04B	0.87	268.5	Pg	11:17:20.726	-1.2					T__		222.8		___	ML	2.3	779924	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.3 magdef=1)																					
				(Station ML: 2.3 magdef=1)																					
PSZ	1.21	333.1	Pn	11:17:26.278	0.0					T__		70.5		___	ML	2.0	779925	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.21	333.1	Sn	11:17:42.803	0.6					T__				---		779926	FDSN	GE	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.0 magdef=1)																					
				(Station ML: 2.0 magdef=1)																					
KOLS	2.34	26.2	Lg	11:18:21.524	1.3					T__				---		779918	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/19	11:26:45.36	0.82	0.57	46.8422	20.6597	10.5	4.0	160	11.6	12.5	10	6	127	0.14	1.20	ke	BUD	19004214	BUD			231

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.0	4 BUD	19004214

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU06A	0.14	206.0	Pg	11:26:49.453	0.2					T__		788.7		___	ML	1.6	780014	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.14	206.0	Lg	11:26:51.743	-0.5					T__				---		780019	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.6 magdef=1)																					
				(Station ML: 1.6 magdef=1)																					
HU24A	0.35	78.7	Pg	11:26:52.731	-0.3					T__		247.3		___	ML	1.7	780015	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU24A	0.35	78.7	Lg	11:26:59.567	1.0					T__				---		780021	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.7 magdef=1)																					

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(Station ML: 1.7 magdef=1
HU13A 0.45 289.0 Lg 11:27:02.301 0.2 T__
HU21A 0.82 231.9 Pg 11:27:01.988 0.2 T__ 124.3 --- ML 2.1 780022 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU21A 0.82 231.9 Lg 11:27:14.167 -0.2 T__ --- 780016 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
HU04B 0.84 268.5 Lg 11:27:14.854 -0.2 T__
PSZ 1.20 334.5 Pn 11:27:07.655 -0.4 T__ 31.5 --- ML 1.7 780023 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 1.20 334.5 Sn 11:27:24.779 0.5 T__ --- 780018 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/19 11:28:44.46 0.91 0.85 46.8612 20.6368 6.5 3.6 110 10.0f 8 5 115 0.16 1.17 ke BUD 19004216 BUD 205

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU06A 0.16 197.7 Pg 11:28:48.527 0.1 T__ 1590.8 --- ML 1.9 780109 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.16 197.7 Lg 11:28:50.879 -0.6 T__ --- 780108 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
HU12A 0.35 21.9 Pg 11:28:51.900 -0.2 T__ 373.1 --- ML 1.8 780110 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU12A 0.35 21.9 Lg 11:28:58.207 0.5 T__ --- 780105 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
HU24A 0.36 82.1 Lg 11:28:58.598 0.6 T__
HU13A 0.43 287.3 Lg 11:29:01.310 0.9 T__
PSZ 1.17 334.8 Sn 11:29:23.224 -0.3 T__
PSZ 1.17 334.8 Lg 11:29:23.439 -1.3 T__

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/19 11:33:28.22 1.03 0.22 46.8477 20.6423 7.0 4.9 133 4.0 15.2 7 6 109 0.14 1.42 ke BUD 19004218 BUD 151

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU06A 0.14 200.8 Pg 11:33:31.733 0.1 T__ 559.8 --- ML 1.5 780184 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.14 200.8 Lg 11:33:34.036 -0.3 T__ --- 780188 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=0
HU12A 0.36 20.6 Lg 11:33:41.612 -0.2 T__
HU24A 0.36 79.9 Lg 11:33:41.878 0.1 T__
HU13A 0.44 288.8 Lg 11:33:44.397 -0.0 T__
HU21A 0.81 231.1 Lg 11:33:57.266 0.0 T__
DRGR 1.42 91.5 Sn 11:34:14.044 -0.0 T__

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/19 11:55:59.75 0.73 0.86 46.8695 20.6649 4.6 3.3 157 14.0 7.9 21 15 68 0.17 2.08 ke BUD 19004220 BUD 109

```



Magnitude Err Nsta Author OrigID  
 ML 2.2 0.2 10 BUD 19004220

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU06A	0.17	203.1	Pg	11:56:03.925	-0.4					T__		3766.7		---	ML	2.4	780377	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.17	203.1	Lg	11:56:06.190	-1.5					T__				---		780386	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=1)																									
HU12A	0.33	19.4	Pg	11:56:07.110	-0.2					T__		639.1		---	ML	2.0	780389	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU12A	0.33	19.4	Lg	11:56:13.599	1.0					T__				---		780378	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
HU24A	0.34	83.0	Pg	11:56:06.957	-0.4					T__		751.0		---	ML	2.1	780387	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU24A	0.34	83.0	Lg	11:56:13.972	1.2					T__				---		780388	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
HU13A	0.45	285.5	Pg	11:56:09.595	-0.0					T__		269.2		---	ML	2.0	780384	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU13A	0.45	285.5	Lg	11:56:16.697	0.3					T__				---		780390	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=0)																									
HU14A	0.58	223.9	Pg	11:56:11.854	0.0					T__		584.0		---	ML	2.6	780379	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU14A	0.58	223.9	Lg	11:56:21.942	1.3					T__				---		780391	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.6 magdef=1)																									
(Station ML: 2.6 magdef=0)																									
HU21A	0.84	230.6	Pg	11:56:16.288	-0.3					T__		283.1		---	ML	2.4	780392	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=1)																									
HU04B	0.84	266.7	Pg	11:56:15.970	-1.0					T__		238.6		---	ML	2.3	780393	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=1)																									
HU01A	0.86	304.0	Lg	11:56:29.930	-0.0					T__				---		780385	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	1.17	333.8	Sn	11:56:38.743	1.1					T__				---		780394	FDSN	GE	--	BUD	iLoc	HHN	???	_	
HU22A	1.19	243.4	Pn	11:56:22.341	0.4					T__		229.8		---	ML	2.5	780395	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU22A	1.19	243.4	Lg	11:56:40.083	-0.8					T__				---		780380	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.5 magdef=1)																									
(Station ML: 2.5 magdef=0)																									
DRGR	1.41	92.4	Pn	11:56:24.237	-0.8					T__		62.8		---	ML	2.1	780396	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
ABAH	1.48	15.0	Pg	11:56:28.282	-0.8					T__		49.3		---	ML	2.0	780397	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=0)																									
KOVH	1.94	247.1	Lg	11:57:04.440	0.7					T__				---		780381	FDSN	HU	--	BUD	iLoc	HHN	???	_	
CJR	2.02	93.4	Lg	11:57:05.392	0.6					T__				---		780382	FDSN	RO	--	BUD	iLoc	HHN	???	_	
GZR	2.08	134.4	Lg	11:57:06.872	1.0					T__				---		780383	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/08/19 11:56:32.74 1.05 0.75 46.8144 20.6840 5.9 3.6 146 15.1 9.0 14 10 144 0.13 1.23 ke BUD 19004222 BUD 203

Magnitude Err Nsta Author OrigID  
 ML 2.1 0.3 5 BUD 19004222

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU06A	0.13	218.1	Pg	11:56:37.026	0.2					T__		1664.4		___	ML	1.9	780473	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.13	218.1	Lg	11:56:39.363	-0.4					T__				---		780474	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=1)																									
HU24A	0.34	73.5	Pg	11:56:40.094	-0.3					T__		322.5		___	ML	1.8	780475	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU24A	0.34	73.5	Lg	11:56:46.138	0.4					T__				---		780485	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=0)																									
HU12A	0.38	14.8	Pg	11:56:42.066	0.8					T__		615.7		___	ML	2.1	780476	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU12A	0.38	14.8	Lg	11:56:46.777	-0.4					T__				---		780477	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1 Station ML: 2.1 magdef=1)																									
HU13A	0.48	291.5	Lg	11:56:49.479	-0.9					T__				---		780478	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
BSZH	0.56	329.7	Pg	11:56:45.389	0.4					T__		352.3		---	ML	2.4	780479	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.4 magdef=1 Station ML: 2.4 magdef=1)																									
HU21A	0.82	234.2	Pg	11:56:49.479	0.4					T__		284.6		___	ML	2.4	780480	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU21A	0.82	234.2	Lg	11:57:02.407	0.7					T__				---		780481	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.4 magdef=1 Station ML: 2.4 magdef=0)																									
HU04B	0.86	270.4	Lg	11:57:02.808	-0.2					T__				---		780483	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU23A	0.88	340.4	Lg	11:57:03.210	0.1					T__				---		780482	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU01A	0.90	306.5	Lg	11:57:02.889	-1.5					T__				---		780484	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	1.23	334.4	Sn	11:57:11.282	-0.5					T__				---		780486	FDSN	GE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/19	12:00:52.93	0.72	1.00	46.8532	20.6873	4.0	3.1	160	12.7	6.8	30	22	118	0.16	1.95	ke	BUD	19004224	BUD			134

Magnitude	Err	Nsta	Author	OrigID
ML	2.6	0.2	13 BUD	19004224

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU06A	0.16	210.3	Pg	12:00:57.030	-0.2					T__		7360.8		___	ML	2.6	780612	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.16	210.3	Lg	12:00:59.321	-1.1					T__				---		780629	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.6 magdef=1 Station ML: 2.6 magdef=1)																									
HU24A	0.33	79.9	Pg	12:01:00.070	-0.2					T__		1363.0		___	ML	2.3	780613	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU24A	0.33	79.9	Lg	12:01:06.629	1.1					T__				---		780630	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.3 magdef=1 Station ML: 2.3 magdef=1)																									
HU12A	0.34	16.1	Lg	12:01:06.889	0.8					T__				---		780614	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU13A	0.47	287.0	Pg	12:01:04.179	1.1					T__		430.9		___	ML	2.2	780632	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU13A	0.47	287.0	Lg	12:01:09.639	-0.5					T__				---		780631	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1 Station ML: 2.2 magdef=1)																									
BSZH	0.53	327.4	Pg	12:01:05.198	0.8					T__		943.8		___	ML	2.8	780615	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.8 magdef=1 Station ML: 2.8 magdef=1)																									
HU14A	0.58	226.1	Pg	12:01:04.854	-0.1					T__		1182.7		___	ML	2.9	780616	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU14A	0.58	226.1	Lg	12:01:15.004	1.2					T__				---		780617	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

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(Reading ML: 2.9 magdef=1
(Station ML: 2.9 magdef=0
HU05A 0.76 23.5 Sn 12:01:21.179 0.4 T__ --- 780633 FDSN Z6 00 BUD iLoc HHN ??? _
HU23A 0.84 339.4 Pg 12:01:09.665 -0.8 T__ 305.0 --- ML 2.5 780619 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU23A 0.84 339.4 Lg 12:01:23.171 1.1 T__ --- 780618 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=1
HU21A 0.84 232.1 Pg 12:01:09.374 -0.4 T__ 499.8 --- ML 2.7 780620 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.7 magdef=1
(Station ML: 2.7 magdef=1
HU04B 0.86 267.8 Pg 12:01:09.876 -0.6 T__ 431.0 --- ML 2.6 780621 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.6 magdef=1
(Station ML: 2.6 magdef=1
HU01A 0.88 304.4 Lg 12:01:22.484 -1.4 T__ --- 780622 FDSN Z6 00 BUD iLoc HHN ??? _
A272A 1.19 265.4 Sn 12:01:33.080 1.8 T__ --- 780637 FDSN Z6 00 BUD iLoc HHN ??? _
PSZ 1.19 333.5 Sn 12:01:31.722 0.1 T__ --- 780634 FDSN GE -- BUD iLoc HHN ??? _
PSZ 1.19 333.5 Lg 12:01:32.013 -2.3 T__ --- 780623 FDSN GE -- BUD iLoc HHN ??? _
HU22A 1.19 244.5 Pn 12:01:15.022 -0.3 T__ 336.6 --- ML 2.7 780636 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU22A 1.19 244.5 Lg 12:01:33.185 -1.1 T__ --- 780635 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.7 magdef=1
(Station ML: 2.7 magdef=1
HU02A 1.27 355.1 Pn 12:01:16.524 -0.0 T__ 45.7 --- ML 1.9 780624 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=0
A271A 1.30 284.1 Lg 12:01:36.752 -1.4 T__ --- 780638 FDSN Z6 00 BUD iLoc HHN ??? _
DRGR 1.39 91.8 Pn 12:01:17.226 -0.9 T__ 107.3 --- ML 2.3 780639 FDSN RO -- BUD iLoc HHZ HHZ _
DRGR 1.39 91.8 Sn 12:01:36.850 0.4 T__ --- 780625 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=1
HU07A 1.40 36.0 Lg 12:01:40.283 0.7 T__ --- 780640 FDSN Z6 00 BUD iLoc HHN ??? _
A267A 1.52 274.3 Lg 12:01:44.145 -0.5 T__ --- 780626 FDSN Z6 00 BUD iLoc HHN ??? _
MORH 1.55 246.4 Pn 12:01:20.968 0.7 T__ 56.0 --- ML 2.1 780641 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=0
A266A 1.70 259.8 Pg 12:01:25.431 -0.8 T__ 230.1 --- ML 2.8 780627 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.8 magdef=1
(Station ML: 2.8 magdef=0
KOVH 1.95 247.8 Lg 12:01:57.466 0.3 T__ --- 780628 FDSN HU -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/19 12:02:11.27 0.73 0.59 46.8777 20.6635 4.2 3.2 164 12.1 7.7 21 13 109 0.18 1.41 ke BUD 19004226 BUD 130

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Magnitude Err Nsta Author OrigID
ML 2.1 0.2 10 BUD 19004226

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU06A 0.18 201.8 Pg 12:02:15.484 -0.3 T__ 2801.9 --- ML 2.2 780738 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.18 201.8 Lg 12:02:19.634 0.5 T__ --- 780739 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
HU12A 0.32 20.0 Pg 12:02:18.418 -0.1 T__ 518.1 --- ML 1.9 780741 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU12A 0.32 20.0 Lg 12:02:24.867 1.0 T__ --- 780740 FDSN Z6 00 BUD iLoc HHN ??? _

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(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=0
HU24A 0.34 84.4 Pg 12:02:18.471 -0.3 T__ 535.3 ___ ML 2.0 780742 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU24A 0.34 84.4 Lg 12:02:25.105 0.9 T__ ___ 780743 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
HU13A 0.44 284.5 Pg 12:02:20.904 -0.1 T__ 242.8 ___ ML 1.9 780748 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU13A 0.44 284.5 Lg 12:02:26.994 -0.7 T__ ___ 780747 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=0
BSZH 0.50 327.4 Pg 12:02:22.436 0.3 T__ 423.9 ___ ML 2.3 780744 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=1
HU14A 0.59 223.3 Pg 12:02:23.757 0.3 T__ 374.9 ___ ML 2.4 780745 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU14A 0.59 223.3 Lg 12:02:33.155 0.8 T__ ___ 780749 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=0
HU04B 0.84 266.1 Pg 12:02:28.145 -0.3 T__ 170.4 ___ ML 2.2 780752 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU04B 0.84 266.1 Lg 12:02:40.982 -0.1 T__ ___ 780751 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
HU21A 0.84 230.1 Lg 12:02:41.173 0.1 T__ ___ 780750 FDSN Z6 00 BUD iLoc HHN ??? _
HU01A 0.85 303.6 Lg 12:02:41.083 -0.2 T__ ___ 780746 FDSN Z6 00 BUD iLoc HHN ??? _
PSZ 1.16 333.6 Pn 12:02:33.215 -0.2 T__ 76.3 ___ ML 2.0 780753 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 1.16 333.6 Sn 12:02:49.776 0.4 T__ ___ 780754 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
HU22A 1.19 243.1 Pn 12:02:33.839 0.1 T__ 162.2 ___ ML 2.4 780755 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=0
HU07A 1.39 37.1 Lg 12:02:58.494 0.9 T__ ___ 780758 FDSN Z6 00 BUD iLoc HHN ??? _
DRGR 1.41 92.8 Pn 12:02:35.922 -0.9 T__ 56.9 ___ ML 2.0 780757 FDSN RO -- BUD iLoc HHZ HHZ _
DRGR 1.41 92.8 Sn 12:02:55.550 0.2 T__ ___ 780756 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/19 12:18:37.55 0.74 0.97 46.8549 20.6465 4.1 3.2 173 11.1 7.6 45 37 49 0.15 3.58 ke BUD 19004228 BUD 72

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Magnitude Err Nsta Author OrigID
ML 3.0 0.2 29 BUD 19004228

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU06A 0.15 200.9 Pg 12:18:42.165 0.6 T__ 41500.8 ___ ML 3.3 781155 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.15 200.9 Lg 12:18:44.509 -0.0 T__ ___ 781156 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 3.3 magdef=1
(Station ML: 3.3 magdef=0
HU12A 0.35 20.5 Pg 12:18:45.374 0.1 T__ 2767.0 ___ ML 2.7 781158 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.7 magdef=1
(Station ML: 2.7 magdef=0
HU24A 0.36 80.9 Pg 12:18:45.254 -0.1 T__ 4413.7 ___ ML 2.9 781142 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU24A 0.36 80.9 Lg 12:18:49.907 -1.0 T__ ___ 781157 FDSN Z6 00 BUD iLoc HHN ??? _

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(Reading ML: 2.9 magdef=1 (Station ML: 2.9 magdef=1 HU13A 0.44 287.8 Pg 12:18:47.422 0.3	T__	1830.2	___ ML	2.8 781160	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
HU13A 0.44 287.8 Lg 12:18:54.798 1.0	T__		---	781159	FDSN Z6	00 BUD	iLoc	HHN ???	_
(Reading ML: 2.8 magdef=1 (Station ML: 2.8 magdef=1 BSZH 0.51 329.9 Pg 12:18:49.350 0.6	T__	4184.6	___ ML	3.4 781126	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 3.4 magdef=1 (Station ML: 3.4 magdef=0 HU14A 0.56 224.0 Pg 12:18:50.086 0.9	T__	4369.4	___ ML	3.5 781127	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 3.5 magdef=1 (Station ML: 3.5 magdef=0 HU05A 0.77 25.4 Pg 12:18:53.272 -0.2	T__	910.4	___ ML	2.9 781130	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 2.9 magdef=1 (Station ML: 2.9 magdef=1 HU21A 0.82 230.8 Pg 12:18:54.072 0.1	T__	2136.8	___ ML	3.3 781129	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 3.3 magdef=1 (Station ML: 3.3 magdef=1 HU23A 0.83 341.1 Pg 12:18:54.926 0.0	T__	1041.2	___ ML	3.0 781161	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 3.0 magdef=1 (Station ML: 3.0 magdef=1 HU04B 0.83 267.6 Pg 12:18:54.249 -0.2	T__	1768.4	___ ML	3.2 781128	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 3.2 magdef=1 (Station ML: 3.2 magdef=1 HU01A 0.86 305.3 Pn 12:18:55.540 0.0	T__	1402.5	___ ML	3.1 781162	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
HU01A 0.86 305.3 Lg 12:19:07.557 -0.1	T__		---	781163	FDSN Z6	00 BUD	iLoc	HHN ???	_
(Reading ML: 3.1 magdef=1 (Station ML: 3.1 magdef=1 LTVH 1.01 57.8 Pn 12:18:57.853 0.2	T__	903.1	___ ML	3.0 781164	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 3.0 magdef=1 (Station ML: 3.0 magdef=1 A272A 1.16 265.1 Pg 12:19:00.701 0.1	T__	1259.6	___ ML	3.2 781132	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
A272A 1.16 265.1 Lg 12:19:17.663 -0.1	T__		---	781166	FDSN Z6	00 BUD	iLoc	HHN ???	_
(Reading ML: 3.2 magdef=1 (Station ML: 3.2 magdef=1 HU22A 1.17 243.8 Pn 12:18:58.939 -0.9	T__	1612.1	___ ML	3.4 781131	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
HU22A 1.17 243.8 Pg 12:19:00.465 -0.1	T__		---	781165	FDSN Z6	00 BUD	iLoc	HHZ ???	_
(Reading ML: 3.4 magdef=1 (Station ML: 3.4 magdef=0 PSZ 1.18 334.6 Pn 12:18:59.052 -1.0	T__	422.1	___ ML	2.8 781133	FDSN GE	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 2.8 magdef=1 (Station ML: 2.8 magdef=1 HU03A 1.27 326.3 Pn 12:19:00.726 -0.5	T__	674.9	___ ML	3.0 781134	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
HU03A 1.27 326.3 Sn 12:19:18.956 0.8	T__		---	781144	FDSN Z6	00 BUD	iLoc	HHN ???	_
(Reading ML: 3.0 magdef=1 (Station ML: 3.0 magdef=1 HU02A 1.27 356.3 Pn 12:19:01.502 0.2	T__	172.6	___ ML	2.4 781135	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 2.4 magdef=1 (Station ML: 2.4 magdef=0 A271A 1.28 284.3 Lg 12:19:21.667 -0.1	T__		---	781167	FDSN Z6	00 BUD	iLoc	HHN ???	_
CP17A 1.37 356.2 Pn 12:19:01.995 -0.6	T__	450.9	___ ML	2.9 781143	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 2.9 magdef=1 (Station ML: 2.9 magdef=1									

BZS	1.41	151.1	Pn	12:19:02.787	-0.4	T__	160.5	___	ML	2.5	781136	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 2.5 magdef=1)																			
(Station ML: 2.5 magdef=0)																			
HU07A	1.42	36.9	Pg	12:19:05.778	0.2	T__	507.6	___	ML	3.0	781137	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU07A	1.42	36.9	Lg	12:19:25.593	0.9	T__		___			781145	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 3.0 magdef=1)																			
(Station ML: 3.0 magdef=1)																			
DRGR	1.42	91.8	Sn	12:19:22.195	0.1	T__		---			781168	FDSN	RO	--	BUD	iLoc	HHN	???	_
MORH	1.52	245.9	Pn	12:19:03.344	-1.4	T__	256.3	---	ML	2.8	781138	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.8 magdef=1)																			
(Station ML: 2.8 magdef=0)																			
KECS	1.63	356.2	Pn	12:19:06.193	-0.0	T__	268.6	---	ML	2.8	781140	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Reading ML: 2.8 magdef=1)																			
(Station ML: 2.8 magdef=1)																			
A266A	1.67	259.5	Pn	12:19:05.921	-0.8	T__	752.1	---	ML	3.3	781139	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.3 magdef=1)																			
(Station ML: 3.3 magdef=1)																			
CSKK	1.71	288.2	Lg	12:19:33.825	-2.0	T__		---			781169	FDSN	HU	--	BUD	iLoc	HHN	???	_
HU09A	1.73	297.8	Lg	12:19:34.365	-2.2	T__		---			781170	FDSN	Z6	00	BUD	iLoc	HHN	???	_
SR0	1.85	302.0	Pn	12:19:09.931	0.7	T__	706.5	---	ML	3.4	781141	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Reading ML: 3.4 magdef=1)																			
(Station ML: 3.4 magdef=0)																			
GZR	2.08	133.8	Pn	12:19:12.438	-0.0	T__	352.9	---	ML	3.2	781146	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.2 magdef=1)																			
(Station ML: 3.2 magdef=1)																			
BMR	2.11	66.1	Lg	12:19:48.218	2.4	T__		---			781147	FDSN	RO	--	BUD	iLoc	BHN	???	_
MPLH	2.15	279.6	Pg	12:19:19.710	0.3	T__	115.7	---	ML	2.8	781148	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.8 magdef=1)																			
(Station ML: 2.8 magdef=0)																			
KOLS	2.35	27.2	Lg	12:19:55.998	2.0	T__		---			781149	FDSN	SK	--	BUD	iLoc	HHN	???	_
A264A	2.42	254.5	Lg	12:19:58.962	2.7	T__		---			781150	FDSN	Z6	00	BUD	iLoc	HHN	???	_
RONA	3.08	287.5	Pn	12:19:26.234	0.1	T__		---			781151	FDSN	OE	--	BUD	iLoc	HHZ	???	_
PTJ	3.37	255.4	Pg	12:19:42.490	1.0	T__	63.6	---	ML	3.2	781152	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 3.2 magdef=1)																			
(Station ML: 3.2 magdef=1)																			
CONA	3.42	290.0	Pn	12:19:30.963	0.1	T__	39.5	---	ML	3.0	781153	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.0 magdef=1)																			
(Station ML: 3.0 magdef=1)																			
MORC	3.58	325.8	Pn	12:19:33.426	0.4	T__	35.5	---	ML	3.0	781154	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.0 magdef=1)																			
(Station ML: 3.0 magdef=1)																			

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/19	12:21:48.01	0.68	0.71	46.8541	20.6592	4.2	2.9	144	16.2	6.0	64	49	45	0.16	3.67	ke	BUD	19004230	BUD			62

Magnitude	Err	Nsta	Author	OrigID
ML	3.5	0.2	44 BUD	19004230

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU06A	0.16	204.0	Pg	12:21:52.183	-0.4					T__	99401.5			___	ML	3.7	782031	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.16	204.0	Lg	12:21:54.804	-1.0					T__				---		782038	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 3.7 magdef=1)																									

(Station ML: 3.7 magdef=1														
HU24A 0.35 80.6 Pg	12:21:55.483	-0.4	T__	21255.0	_d ML	3.6 781992	FDSN Z6	00 BUD	iLoc	HHZ	HHZ	_		
HU24A 0.35 80.6 Lg	12:22:02.098	0.7	T__		---	782032	FDSN Z6	00 BUD	iLoc	HHN	???	_		
(Reading ML: 3.6 magdef=1														
(Station ML: 3.6 magdef=1														
HU12A 0.35 19.2 Pg	12:21:55.611	-0.3	T__	8101.3	___ ML	3.2 782040	FDSN Z6	00 BUD	iLoc	HHZ	HHZ	_		
HU12A 0.35 19.2 Lg	12:22:02.362	0.8	T__		---	782039	FDSN Z6	00 BUD	iLoc	HHN	???	_		
(Reading ML: 3.2 magdef=1														
(Station ML: 3.2 magdef=0														
HU13A 0.45 287.6 Pg	12:21:57.690	-0.3	T__	6407.9	___ ML	3.4 782041	FDSN Z6	00 BUD	iLoc	HHZ	HHZ	_		
HU13A 0.45 287.6 Lg	12:22:05.029	0.2	T__		---	782042	FDSN Z6	00 BUD	iLoc	HHN	???	_		
(Reading ML: 3.4 magdef=1														
(Station ML: 3.4 magdef=1														
BSZH 0.52 329.1 Pg	12:21:59.612	0.2	T__	13308.1	___ ML	3.9 781994	FDSN HU	-- BUD	iLoc	HHZ	HHZ	_		
(Reading ML: 3.9 magdef=1														
(Station ML: 3.9 magdef=0														
HU14A 0.57 224.7 Pg	12:22:00.346	0.5	T__	14859.8	_d ML	4.0 781993	FDSN Z6	00 BUD	iLoc	HHZ	HHZ	_		
HU14A 0.57 224.7 Lg	12:22:09.098	0.5	T__		---	782036	FDSN Z6	00 BUD	iLoc	HHN	???	_		
(Reading ML: 4.0 magdef=1														
(Station ML: 4.0 magdef=0														
HU05A 0.77 24.8 Pg	12:22:04.072	0.1	T__	3329.0	___ ML	3.5 781996	FDSN Z6	00 BUD	iLoc	HHZ	HHZ	_		
(Reading ML: 3.5 magdef=1														
(Station ML: 3.5 magdef=1														
HU21A 0.83 231.2 Pg	12:22:04.221	-0.4	T__	7815.7	___ ML	3.9 781995	FDSN Z6	00 BUD	iLoc	HHZ	HHZ	_		
HU21A 0.83 231.2 Lg	12:22:16.815	-0.5	T__		---	782037	FDSN Z6	00 BUD	iLoc	HHN	???	_		
(Reading ML: 3.9 magdef=1														
(Station ML: 3.9 magdef=0														
HU23A 0.83 340.6 Pn	12:22:05.200	0.1	T__	4072.4	___ ML	3.6 782043	FDSN Z6	00 BUD	iLoc	HHZ	HHZ	_		
(Reading ML: 3.6 magdef=1														
(Station ML: 3.6 magdef=1														
HU04B 0.84 267.7 Pg	12:22:04.483	-0.7	T__	5916.4	___ ML	3.7 781997	FDSN Z6	00 BUD	iLoc	HHZ	HHZ	_		
HU04B 0.84 267.7 Sn	12:22:16.990	-0.1	T__		---	782044	FDSN Z6	00 BUD	iLoc	HHN	???	_		
(Reading ML: 3.7 magdef=1														
(Station ML: 3.7 magdef=1														
HU01A 0.86 305.0 Pn	12:22:05.020	-0.4	T__	5061.4	___ ML	3.7 781998	FDSN Z6	00 BUD	iLoc	HHZ	HHZ	_		
HU01A 0.86 305.0 Sn	12:22:17.852	0.1	T__		---	782033	FDSN Z6	00 BUD	iLoc	HHN	???	_		
(Reading ML: 3.7 magdef=1														
(Station ML: 3.7 magdef=1														
LTVH 1.00 57.5 Pn	12:22:06.722	-0.6	T__	3411.9	___ ML	3.6 781999	FDSN HU	-- BUD	iLoc	HHZ	HHZ	_		
(Reading ML: 3.6 magdef=1														
(Station ML: 3.6 magdef=1														
A272A 1.17 265.2 Pn	12:22:09.452	-0.2	T__	4312.6	___ ML	3.8 782001	FDSN Z6	00 BUD	iLoc	HHZ	HHZ	_		
A272A 1.17 265.2 Pg	12:22:11.095	-0.2	T__		---	782046	FDSN Z6	00 BUD	iLoc	HHZ	???	_		
A272A 1.17 265.2 Lg	12:22:28.242	-0.3	T__		---	782045	FDSN Z6	00 BUD	iLoc	HHN	???	_		
(Reading ML: 3.8 magdef=1														
(Station ML: 3.8 magdef=0														
HU22A 1.18 244.0 Pn	12:22:10.426	0.6	T__	6181.7	___ ML	3.9 782029	FDSN Z6	00 BUD	iLoc	HHZ	HHZ	_		
HU22A 1.18 244.0 Lg	12:22:28.597	-0.3	T__		---	782000	FDSN Z6	00 BUD	iLoc	HHN	???	_		
(Reading ML: 3.9 magdef=1														
(Station ML: 3.9 magdef=0														
PSZ 1.18 334.3 Pn	12:22:09.193	-0.8	T__	1604.9	___ ML	3.4 782002	FDSN GE	-- BUD	iLoc	HHZ	HHZ	_		
PSZ 1.18 334.3 Sn	12:22:26.701	0.9	T__		---	782047	FDSN GE	-- BUD	iLoc	HHN	???	_		
(Reading ML: 3.4 magdef=1														

(Station ML: 3.4 magdef=1 HU02A 1.27 355.9 Pn (Reading ML: 3.0 magdef=1 (Station ML: 3.0 magdef=0	12:22:10.447 -0.7	T__	624.8	___ ML	3.0 782006	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Station ML: 3.6 magdef=1 HU03A 1.27 326.0 Pn (Reading ML: 3.6 magdef=1 (Station ML: 3.6 magdef=1	12:22:10.978 -0.1	T__	2445.6	___ ML	3.6 782005	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
BUD 1.28 300.0 Pn (Reading ML: 3.4 magdef=1 (Station ML: 3.4 magdef=1	12:22:10.375 -0.8	T__	1399.7	___ ML	3.4 782004	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
A271A 1.28 284.2 Pg A271A 1.28 284.2 Lg (Reading ML: 3.6 magdef=1 (Station ML: 3.6 magdef=1	12:22:13.892 0.0 12:22:31.926 -0.7	T__ T__	2608.2	___ ML ---	3.6 782003 782030	FDSN Z6 FDSN Z6	00 BUD 00 BUD	iLoc iLoc	HHZ HHZ HHN ???	_
BZS 1.40 151.4 Pn (Reading ML: 3.1 magdef=1 (Station ML: 3.1 magdef=0	12:22:12.551 -0.4	T__	635.9	___ ML	3.1 782007	FDSN RO	-- BUD	iLoc	BHZ BHZ	_
DRGR 1.41 91.8 Pn (Reading ML: 3.3 magdef=1 (Station ML: 3.3 magdef=1	12:22:12.599 -0.5	T__	1032.9	___ ML	3.3 782008	FDSN RO	-- BUD	iLoc	BHZ BHZ	_
HU07A 1.41 36.6 Pg (Reading ML: 3.5 magdef=1 (Station ML: 3.5 magdef=1	12:22:15.560 -0.4	T__	1590.0	___ ML	3.5 782009	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
ABAH 1.50 15.0 Pg (Reading ML: 3.3 magdef=1 (Station ML: 3.3 magdef=0	12:22:16.355 -1.3	T__	887.8	___ ML	3.3 782034	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
A267A 1.50 274.3 Pn A267A 1.50 274.3 Lg (Reading ML: 3.6 magdef=1 (Station ML: 3.6 magdef=1	12:22:14.072 -0.1 12:22:39.140 0.1	T__ T__	1977.5	___ ML ---	3.6 782011 782048	FDSN Z6 FDSN Z6	00 BUD 00 BUD	iLoc iLoc	HHZ HHZ HHE ???	_
MORH 1.53 246.1 Pn (Reading ML: 3.3 magdef=1 (Station ML: 3.3 magdef=1	12:22:13.614 -1.0	T__	869.6	___ ML	3.3 782010	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
KECS 1.63 355.9 Pn (Reading ML: 3.4 magdef=1 (Station ML: 3.4 magdef=1	12:22:16.336 0.2	T__	1052.7	___ ML	3.4 782013	FDSN SK	-- BUD	iLoc	EHZ EHZ	_
A266A 1.68 259.6 Pn (Reading ML: 3.9 magdef=1 (Station ML: 3.9 magdef=0	12:22:16.195 -0.5	T__	3144.9	___ ML	3.9 782012	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
FRGS 1.80 199.5 Pg (Reading ML: 3.6 magdef=1 (Station ML: 3.6 magdef=1	12:22:21.528 -0.5	T__	1343.9	___ ML	3.6 782049	FDSN SJ	-- BUD	iLoc	BHZ BHZ	_
TRPA 1.80 44.3 Pn TRPA 1.80 44.3 Pg (Reading ML: 3.1 magdef=1 (Station ML: 3.1 magdef=0	12:22:17.306 -1.1 12:22:22.311 -0.8	T__ T__	416.7	___ ML ---	3.1 782014 782050	FDSN HU FDSN HU	-- BUD -- BUD	iLoc iLoc	HHZ HHZ HHZ ???	_
SRO 1.86 301.9 Pn (Reading ML: 4.0 magdef=1 (Station ML: 4.0 magdef=0	12:22:20.128 0.9	T__	3125.2	___ ML	4.0 782015	FDSN SK	-- BUD	iLoc	EHZ EHZ	_
KOVH 1.93 247.5 Pn (Reading ML: 3.5 magdef=1 (Station ML: 3.5 magdef=1	12:22:19.190 -0.9	T__	806.6	___ ML	3.5 782016	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
GZR 2.07 134.0 Pn	12:22:22.662 0.5	T__	437.5	___ ML	3.3 782017	FDSN RO	-- BUD	iLoc	BHZ BHZ	_



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(Reading ML: 3.3 magdef=1
(Station ML: 3.3 magdef=1
BMR 2.10 66.0 Pg 12:22:27.790 -0.9 T__ 1150.1 ___ ML 3.7 782051 FDSN RO -- BUD iLoc HHZ HHZ _
(Reading ML: 3.7 magdef=1
(Station ML: 3.7 magdef=1
MPLH 2.16 279.6 Pg 12:22:29.845 -0.2 T__ 503.3 ___ ML 3.4 782052 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 3.4 magdef=1
(Station ML: 3.4 magdef=1
A273A 2.18 245.5 Pg 12:22:29.258 -0.8 T__ 838.3 ___ ML 3.6 782053 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 3.6 magdef=1
(Station ML: 3.6 magdef=1
EGYH 2.34 285.1 Pn 12:22:28.035 2.3 T__ 445.9 ___ ML 3.5 782054 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 3.5 magdef=1
(Station ML: 3.5 magdef=1
KOLS 2.35 27.0 Lg 12:23:05.470 1.1 T__ ___ 782035 FDSN SK -- BUD iLoc HHN ??? _
A264A 2.43 254.6 Lg 12:23:08.836 1.8 T__ ___ 782055 FDSN Z6 00 BUD iLoc HHE ??? _
MEZ 2.55 48.2 Pn 12:22:28.674 0.1 T__ ___ 782018 FDSN UA -- BUD iLoc BHZ ??? _
MODS 2.75 304.8 Pn 12:22:31.785 0.4 T__ ___ 782019 FDSN SK -- BUD iLoc HHZ ??? _
JAVC 2.84 316.0 Pn 12:22:33.642 0.9 T__ 132.7 ___ ML 3.2 782020 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 3.2 magdef=1
(Station ML: 3.2 magdef=0
SOP 2.91 288.0 Pn 12:22:34.067 0.4 T__ 362.8 ___ ML 3.7 782021 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 3.7 magdef=1
(Station ML: 3.7 magdef=1
RDNA 3.09 287.5 Pn 12:22:36.291 0.2 T__ ___ 782023 FDSN OE -- BUD iLoc HHZ ??? _
BBLs 3.12 196.9 Pn 12:22:37.200 0.7 T__ 472.6 ___ ML 3.9 782022 FDSN SJ -- BUD iLoc BHZ BHZ _
(Reading ML: 3.9 magdef=1
(Station ML: 3.9 magdef=0
CONA 3.43 290.0 Pn 12:22:41.055 0.2 T__ 88.0 ___ ML 3.4 782024 FDSN OE -- BUD iLoc HHZ HHZ _
(Reading ML: 3.4 magdef=1
(Station ML: 3.4 magdef=1
ARSA 3.53 278.3 Pn 12:22:43.064 0.8 T__ 136.6 ___ ML 3.6 782025 FDSN OE -- BUD iLoc HHZ HHZ _
(Reading ML: 3.6 magdef=1
(Station ML: 3.6 magdef=1
MORC 3.59 325.7 Pn 12:22:43.457 0.5 T__ 64.3 ___ ML 3.3 782026 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 3.3 magdef=1
(Station ML: 3.3 magdef=1
KRUC 3.62 309.2 Pn 12:22:43.272 -0.1 T__ 48.8 ___ ML 3.2 782027 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 3.2 magdef=1
(Station ML: 3.2 magdef=0
VRAC 3.67 313.5 Pn 12:22:44.532 0.5 T__ 53.3 ___ ML 3.2 782028 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 3.2 magdef=1
(Station ML: 3.2 magdef=0

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/19 12:31:39.79 0.80 0.73 46.8603 20.6750 4.3 3.3 149 6.7 6.8 17 12 114 0.17 1.54 ke BUD 19004232 BUD 132

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Magnitude Err Nsta Author OrigID
ML 1.9 0.3 6 BUD 19004232

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU06A 0.17 206.5 Pg 12:31:43.845 0.1 T__ 924.1 ___ ML 1.7 782210 FDSN Z6 00 BUD iLoc HHZ HHZ _

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HU06A	0.17	206.5	Lg	12:31:46.249	-0.5	T__									782217	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1)																							
(Station ML: 1.7 magdef=1)																							
HU24A	0.34	81.3	Pg	12:31:46.951	-0.1	T__		229.4		ML	1.6	782211	FDSN	Z6				00	BUD	iLoc	HHZ	HHZ	_
HU24A	0.34	81.3	Lg	12:31:53.547	0.9	T__						782218	FDSN	Z6				00	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1)																							
(Station ML: 1.6 magdef=0)																							
HU13A	0.46	286.4	Pg	12:31:48.911	-0.7	T__		408.9		ML	2.2	782220	FDSN	Z6				00	BUD	iLoc	HHZ	HHZ	_
HU13A	0.46	286.4	Lg	12:31:56.539	-0.1	T__						782219	FDSN	Z6				00	BUD	iLoc	HHN	???	_
(Reading ML: 2.2 magdef=1)																							
(Station ML: 2.2 magdef=1)																							
BSZH	0.52	327.8	Pg	12:31:52.131	1.1	T__		345.3		ML	2.3	782221	FDSN	HU				--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.3 magdef=1)																							
(Station ML: 2.3 magdef=0)																							
HU14A	0.58	225.0	Pg	12:31:52.020	0.3	T__		214.2		ML	2.2	782222	FDSN	Z6				00	BUD	iLoc	HHZ	HHZ	_
HU14A	0.58	225.0	Lg	12:32:01.806	1.0	T__						782212	FDSN	Z6				00	BUD	iLoc	HHN	???	_
(Reading ML: 2.2 magdef=1)																							
(Station ML: 2.2 magdef=1)																							
HU21A	0.84	231.4	Lg	12:32:09.370	0.2	T__						782223	FDSN	Z6				00	BUD	iLoc	HHN	???	_
HU04B	0.85	267.3	Lg	12:32:09.827	0.1	T__						782224	FDSN	Z6				00	BUD	iLoc	HHN	???	_
HU01A	0.87	304.3	Lg	12:32:10.158	-0.1	T__						782213	FDSN	Z6				00	BUD	iLoc	HHN	???	_
PSZ	1.18	333.7	Pn	12:32:02.172	-0.7	T__		32.2		ML	1.7	782225	FDSN	GE				--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.18	333.7	Sn	12:32:18.744	-0.6	T__						782226	FDSN	GE				--	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1)																							
(Station ML: 1.7 magdef=1)																							
HU22A	1.19	244.0	Sn	12:32:19.885	0.6	T__						782214	FDSN	Z6				00	BUD	iLoc	HHN	???	_
DRGR	1.40	92.1	Sn	12:32:23.823	-0.8	T__						782215	FDSN	RO				--	BUD	iLoc	HHN	???	_
MORH	1.54	246.0	Sn	12:32:29.004	1.0	T__						782216	FDSN	HU				--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/19	12:35:24.05	1.52	1.53	46.8973	20.6667	12.8	4.3	146	3.3	14.9	6	4	132	0.20	1.41	ke	BUD	19004234	BUD			247

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU06A	0.20	200.2	Pg	12:35:28.720	0.2					T__		715.9			ML	1.7	782273	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.20	200.2	Lg	12:35:31.060	-0.8					T__						782274	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
HU24A	0.34	87.7	Pg	12:35:30.605	-0.7					T__		127.3			ML	1.3	782275	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU24A	0.34	87.7	Lg	12:35:38.728	1.9					T__						782276	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
PSZ	1.15	333.1	Sn	12:36:03.490	0.2					T__						782278	FDSN	GE	--	BUD	iLoc	HHN	???	_	
DRGR	1.41	93.6	Sn	12:36:09.572	-0.1					T__						782277	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/19	12:38:26.19	0.75	1.01	46.8465	20.6865	4.8	3.7	179	9.5	0.4	21	16	77	0.16	2.06	ke	BUD	19004236	BUD			132

Magnitude Err Nsta Author OrigID

ML 2.3 0.0 8 BUD 19004236

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU06A	0.16	211.4	Pg	12:38:30.030	-0.1					T__		1664.6		---	ML	2.0	782359	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.16	211.4	Lg	12:38:32.419	-0.7					T__				---		782368	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
HU24A	0.33	78.8	Pg	12:38:33.229	-0.2					T__		390.2		---	ML	1.8	782361	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU24A	0.33	78.8	Lg	12:38:39.863	1.1					T__				---		782360	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=0)																									
HU12A	0.35	15.9	Lg	12:38:39.602	0.1					T__				---		782369	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU13A	0.47	287.8	Pg	12:38:36.221	-0.1					T__		570.3		---	ML	2.4	782370	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=1)																									
BSZH	0.54	327.8	Pg	12:38:38.568	0.8					T__		330.6		---	ML	2.3	782362	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=1)																									
HU14A	0.58	226.6	Pg	12:38:38.938	0.9					T__		550.0		---	ML	2.6	782363	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.6 magdef=1)																									
(Station ML: 2.6 magdef=0)																									
HU21A	0.84	232.5	Pg	12:38:42.237	-0.5					T__		146.3		---	ML	2.1	782373	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU21A	0.84	232.5	Lg	12:38:55.096	-0.6					T__				---		782372	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
HU23A	0.85	339.6	Lg	12:38:56.421	1.1					T__				---		782371	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU04B	0.86	268.3	Pg	12:38:43.025	-0.7					T__		227.3		---	ML	2.3	782374	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU04B	0.86	268.3	Lg	12:38:56.060	0.0					T__				---		782375	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=1)																									
HU01A	0.88	304.8	Lg	12:38:56.277	-0.6					T__				---		782376	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU22A	1.19	244.8	Sn	12:39:06.304	1.1					T__				---		782378	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	1.20	333.6	Sn	12:39:04.830	-0.8					T__				---		782377	FDSN	GE	--	BUD	iLoc	HHN	???	_	
PSZ	1.20	333.6	Lg	12:39:04.933	-2.5					T__				---		782364	FDSN	GE	--	BUD	iLoc	HHN	???	_	
A271A	1.30	284.3	Lg	12:39:11.092	0.2					T__				---		782365	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MORH	1.55	246.6	Sn	12:39:15.744	1.8					T__				---		782366	FDSN	HU	--	BUD	iLoc	HHN	???	_	
A266A	1.70	260.0	Lg	12:39:22.413	-0.6					T__				---		782379	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
GZR	2.06	134.2	Pn	12:39:00.414	-0.5					T__		48.3		---	ML	2.3	782367	FDSN	R0	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/19	12:44:10.26	0.66	0.87	46.8441	20.6795	4.0	3.1	141	9.5	0.4	29	19	60	0.15	1.69	ke	BUD	19004238	BUD			118

Magnitude	Err	Nsta	Author	OrigID
ML	2.3	0.3	13 BUD	19004238

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU06A	0.15	210.3	Pg	12:44:14.044	-0.1					T__		3851.2		---	ML	2.3	782494	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.15	210.3	Lg	12:44:16.424	-0.7					T__				---		782504	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=1)																									

HU24A	0.34	78.5	Pg	12:44:17.215	-0.4	T__	911.7	---	ML	2.2	782493	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU24A	0.34	78.5	Lg	12:44:23.876	0.8	T__		---			782492	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.2 magdef=1)																			
(Station ML: 2.2 magdef=1)																			
HU12A	0.35	16.5	Pg	12:44:17.533	-0.5	T__	745.1	---	ML	2.2	782490	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU12A	0.35	16.5	Lg	12:44:24.140	0.4	T__		---			782491	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.2 magdef=1)																			
(Station ML: 2.2 magdef=1)																			
HU13A	0.46	288.2	Lg	12:44:26.815	-0.4	T__		---			782505	FDSN	Z6	00	BUD	iLoc	HHN	???	_
BSZH	0.54	328.4	Pg	12:44:22.449	0.6	T__	525.0	---	ML	2.5	782495	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.5 magdef=1)																			
(Station ML: 2.5 magdef=1)																			
HU14A	0.57	226.4	Pg	12:44:22.132	0.1	T__	549.8	---	ML	2.6	782497	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU14A	0.57	226.4	Lg	12:44:32.164	1.5	T__		---			782506	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.6 magdef=1)																			
(Station ML: 2.6 magdef=0)																			
HU05A	0.77	23.6	Lg	12:44:38.466	1.4	T__		---			782496	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU21A	0.83	232.4	Pg	12:44:26.234	-0.5	T__	339.9	---	ML	2.5	782507	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU21A	0.83	232.4	Lg	12:44:39.444	-0.2	T__		---			782500	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.5 magdef=1)																			
(Station ML: 2.5 magdef=1)																			
HU23A	0.85	339.9	Lg	12:44:40.475	1.0	T__		---			782498	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU04B	0.85	268.4	Pg	12:44:26.300	-1.4	T__	370.2	---	ML	2.5	782509	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU04B	0.85	268.4	Lg	12:44:39.880	-0.1	T__		---			782508	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.5 magdef=1)																			
(Station ML: 2.5 magdef=1)																			
HU01A	0.88	305.1	Lg	12:44:40.211	-0.6	T__		---			782499	FDSN	Z6	00	BUD	iLoc	HHN	???	_
A272A	1.18	265.8	Sn	12:44:49.700	0.6	T__		---			782502	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU22A	1.19	244.8	Pn	12:44:32.471	-0.5	T__	249.7	---	ML	2.6	782511	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU22A	1.19	244.8	Sn	12:44:50.227	1.1	T__		---			782510	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.6 magdef=1)																			
(Station ML: 2.6 magdef=0)																			
PSZ	1.20	333.9	Pn	12:44:32.471	-0.8	T__	77.2	---	ML	2.1	782512	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.20	333.9	Sn	12:44:48.960	-0.7	T__		---			782501	FDSN	GE	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.1 magdef=1)																			
(Station ML: 2.1 magdef=1)																			
BZS	1.39	151.7	Pn	12:44:35.277	-0.5	T__	26.7	---	ML	1.7	782513	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.7 magdef=1)																			
(Station ML: 1.7 magdef=0)																			
DRGR	1.40	91.4	Sn	12:44:53.997	-0.5	T__		---			782514	FDSN	RO	--	BUD	iLoc	HHN	???	_
ABAH	1.50	14.4	Pg	12:44:40.406	0.4	T__	43.6	---	ML	2.0	782515	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	1.50	14.4	Sn	12:44:58.426	1.5	T__		---			782516	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.0 magdef=1)																			
(Station ML: 2.0 magdef=1)																			
MORH	1.54	246.6	Pn	12:44:37.863	0.0	T__	40.5	---	ML	2.0	782517	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	1.54	246.6	Sn	12:44:59.321	1.4	T__		---			782503	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.0 magdef=1)																			
(Station ML: 2.0 magdef=0)																			
A266A	1.69	260.0	Pg	12:44:42.423	-1.0	T__	129.6	---	ML	2.6	782518	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.6 magdef=1)																			
(Station ML: 2.6 magdef=1)																			

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp			
2023/08/19	12:47:30.45	0.73	0.69	46.8549	20.6466	4.6	3.7	147	12.9	7.0	27	18	109	0.15	2.35	ke	BUD	19004240	BUD			132			
Magnitude	Err	Nsta	Author	OrigID																					
ML	2.7	0.1	15	BUD	19004240																				
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU06A	0.15	200.9	Pg	12:47:34.594	-0.0					T__		8916.3		___	ML	2.7	782742	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.15	200.9	Lg	12:47:39.207	1.5					T__				---		782739	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
				(Reading ML: 2.7 magdef=1)																					
				(Station ML: 2.7 magdef=1)																					
HU12A	0.35	20.5	Pg	12:47:37.890	-0.4					T__		1230.3		___	ML	2.4	782744	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU12A	0.35	20.5	Lg	12:47:44.588	0.7					T__				---		782745	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
				(Reading ML: 2.4 magdef=1)																					
				(Station ML: 2.4 magdef=0)																					
HU24A	0.36	80.9	Pg	12:47:37.839	-0.5					T__		2206.1		___	ML	2.6	782743	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU24A	0.36	80.9	Lg	12:47:44.440	0.6					T__				---		782740	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
				(Reading ML: 2.6 magdef=1)																					
				(Station ML: 2.6 magdef=1)																					
BSZH	0.52	329.9	Pg	12:47:42.009	0.4					T__		1546.9		___	ML	2.9	782746	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.9 magdef=1)																					
				(Station ML: 2.9 magdef=1)																					
HU14A	0.56	224.0	Pg	12:47:42.558	0.4					T__		1744.9		___	ML	3.1	782747	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 3.1 magdef=1)																					
				(Station ML: 3.1 magdef=0)																					
HU05A	0.77	25.4	Pg	12:47:46.260	-0.1					T__		513.9		___	ML	2.6	782748	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU05A	0.77	25.4	Sn	12:47:58.928	0.4					T__				---		782749	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
				(Reading ML: 2.6 magdef=1)																					
				(Station ML: 2.6 magdef=1)																					
HU21A	0.82	230.8	Pg	12:47:46.777	-0.1					T__		956.3		___	ML	2.9	782750	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.9 magdef=1)																					
				(Station ML: 2.9 magdef=1)																					
HU23A	0.83	341.1	Pn	12:47:47.507	-0.3					T__		542.7		___	ML	2.7	782751	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.83	341.1	Sn	12:48:01.092	1.1					T__				---		782741	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
				(Reading ML: 2.7 magdef=1)																					
				(Station ML: 2.7 magdef=1)																					
HU04B	0.83	267.6	Pg	12:47:46.848	-0.6					T__		625.8		___	ML	2.8	782752	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.8 magdef=1)																					
				(Station ML: 2.8 magdef=1)																					
HU01A	0.86	305.3	Pn	12:47:48.140	-0.1					T__		670.2		___	ML	2.8	782753	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU01A	0.86	305.3	Sn	12:48:00.730	0.2					T__				---		782754	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
				(Reading ML: 2.8 magdef=1)																					
				(Station ML: 2.8 magdef=1)																					
HU22A	1.17	243.8	Pn	12:47:52.708	0.2					T__		618.3		___	ML	2.9	782755	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU22A	1.17	243.8	Lg	12:48:10.609	-0.4					T__				---		782756	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
				(Reading ML: 2.9 magdef=1)																					
				(Station ML: 2.9 magdef=0)																					
PSZ	1.18	334.6	Pn	12:47:51.707	-1.1					T__		244.5		___	ML	2.5	782757	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.18	334.6	Sn	12:48:09.451	0.7					T__				---		782758	FDSN	GE	--	BUD	iLoc	HNN	???	_	
				(Reading ML: 2.5 magdef=1)																					
				(Station ML: 2.5 magdef=0)																					
HU03A	1.27	326.2	Pn	12:47:53.216	-0.7					T__		321.5		___	ML	2.7	782759	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU03A	1.27	326.2	Lg	12:48:14.012	-0.0					T__				---		782760	FDSN	Z6	00	BUD	iLoc	HNN	???	_	

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(Reading ML: 2.7 magdef=1
(Station ML: 2.7 magdef=1
A271A 1.28 284.3 Lg 12:48:14.336 -0.4 T__
CP17A 1.37 356.2 Pn 12:47:54.523 -0.7 T__ 216.4 --- ML 2.6 782763 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.6 magdef=1
(Station ML: 2.6 magdef=0
DRGR 1.42 91.8 Sn 12:48:14.598 -0.0 T__
A266A 1.67 259.5 Pg 12:48:02.348 -0.8 T__ 340.6 --- ML 3.0 782764 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 3.0 magdef=1
(Station ML: 3.0 magdef=0
KOLS 2.35 27.2 Lg 12:48:48.102 1.2 T__ --- 782765 FDSN SK -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/19 12:49:50.86 1.64 0.59 46.8383 20.6632 13.3 5.0 144 17.8 13.7 6 4 145 0.14 0.82 ke BUD 19004242 BUD 205

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Magnitude Err Nsta Author OrigID
ML 1.5 0.1 3 BUD 19004242

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU06A 0.14 207.6 Pg 12:49:55.163 -0.3 T__ 627.4 --- ML 1.5 782863 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.14 207.6 Lg 12:49:59.079 0.4 T__ --- 782864 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
HU24A 0.35 77.9 Pg 12:49:58.524 -0.3 T__ 146.6 --- ML 1.4 782860 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU24A 0.35 77.9 Lg 12:50:04.920 0.6 T__ --- 782859 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
HU12A 0.36 17.9 Lg 12:50:05.192 0.2 T__ --- 782861 FDSN Z6 00 BUD iLoc HHN ??? _
HU21A 0.82 232.2 Pg 12:50:07.271 -0.0 T__ 164.4 --- ML 2.2 782862 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/19 12:53:56.89 0.78 0.70 46.8283 20.6909 5.4 3.0 134 8.2 6.4 14 10 125 0.14 1.54 ke BUD 19004244 BUD 142

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Magnitude Err Nsta Author OrigID
ML 1.8 0.2 6 BUD 19004244

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU06A 0.14 216.2 Pg 12:54:00.724 0.2 T__ 1168.5 --- ML 1.8 782967 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.14 216.2 Lg 12:54:02.496 -0.8 T__ --- 782975 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
HU24A 0.33 75.6 Pg 12:54:04.047 -0.1 T__ 181.6 --- ML 1.5 782976 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU24A 0.33 75.6 Lg 12:54:10.534 0.9 T__ --- 782973 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=0
HU12A 0.37 14.6 Pg 12:54:04.538 -0.3 T__ 404.2 --- ML 1.9 782977 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU12A 0.37 14.6 Lg 12:54:10.742 -0.2 T__ --- 782968 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1

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(Station ML: 1.9 magdef=1
BSZH 0.55 328.6 Pg 12:54:09.248 0.4 T__ 273.4 ___ ML 2.2 782978 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=0
HU21A 0.83 233.6 Pg 12:54:13.280 -0.2 T__ 144.4 ___ ML 2.1 782979 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU21A 0.83 233.6 Lg 12:54:25.558 -0.2 T__ ___ 782974 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
HU04B 0.86 269.5 Lg 12:54:26.307 -0.7 T__ ___ 782969 FDSN Z6 00 BUD iLoc HHN ??? _
PSZ 1.22 333.9 Pn 12:54:20.007 -0.3 T__ 28.4 ___ ML 1.6 782980 FDSN GE -- BUD iLoc HHZ HHZ _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
HU02A 1.30 355.1 Sn 12:54:39.593 0.6 T__ ___ 782970 FDSN Z6 00 BUD iLoc HHN ??? _
DRGR 1.39 90.8 Sn 12:54:40.663 -0.5 T__ ___ 782971 FDSN RO -- BUD iLoc HHN ??? _
MORH 1.54 247.3 Sn 12:54:46.121 1.3 T__ ___ 782972 FDSN HU -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/19 12:56:32.38 0.90 0.64 46.8572 20.6672 9.5 3.4 139 6.7 10.6 10 8 124 0.16 1.18 ke BUD 19004246 BUD 186

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Magnitude Err Nsta Author OrigID
ML 1.6 0.0 3 BUD 19004246

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU06A 0.16 205.3 Pg 12:56:36.205 0.0 T__ 726.4 ___ ML 1.6 783102 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.16 205.3 Lg 12:56:38.587 -0.6 T__ ___ 783099 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
HU24A 0.34 81.0 Pg 12:56:39.456 -0.3 T__ 243.8 ___ ML 1.6 783103 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU24A 0.34 81.0 Lg 12:56:46.129 0.7 T__ ___ 783104 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
HU12A 0.34 18.5 Lg 12:56:46.018 0.5 T__ ___ 783105 FDSN Z6 00 BUD iLoc HHN ??? _
HU14A 0.58 224.9 Pg 12:56:44.655 0.4 T__ 263.5 ___ ML 2.2 783100 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
HU21A 0.83 231.3 Lg 12:57:01.766 0.2 T__ ___ 783101 FDSN Z6 00 BUD iLoc HHN ??? _
HU04B 0.84 267.5 Lg 12:57:01.709 -0.4 T__ ___ 783098 FDSN Z6 00 BUD iLoc HHN ??? _
HU22A 1.18 244.0 Sn 12:57:12.347 0.6 T__ ___ 783106 FDSN Z6 00 BUD iLoc HHN ??? _
PSZ 1.18 334.0 Sn 12:57:11.166 -0.8 T__ ___ 783107 FDSN GE -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/19 13:10:59.92 0.86 0.60 46.8116 20.6696 6.7 3.8 145 14.3 8.5 15 11 141 0.12 1.52 ke BUD 19004248 BUD 199

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Magnitude Err Nsta Author OrigID
ML 2.1 0.1 7 BUD 19004248

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU06A 0.12 215.3 Pg 13:11:04.189 0.4 T__ 1229.9 ___ ML 1.7 783229 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.12 215.3 Lg 13:11:06.303 -0.3 T__ ___ 783230 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1

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(Station ML: 1.7 magdef=1
HU24A 0.35 73.5 Pg 13:11:07.423 -0.3 T__ 203.9 --- ML 1.6 783238 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU24A 0.35 73.5 Lg 13:11:14.214 1.0 T__ --- 783239 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=0
HU12A 0.39 16.1 Lg 13:11:13.993 -0.5 T__ --- 783233 FDSN Z6 00 BUD iLoc HHN ??? _
HU14A 0.55 228.4 Pg 13:11:12.133 0.9 T__ 224.4 --- ML 2.2 783240 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
BSZH 0.56 330.7 Pg 13:11:12.541 0.5 T__ 189.1 --- ML 2.1 783231 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
HU21A 0.81 233.9 Pg 13:11:16.195 0.1 T__ 132.6 --- ML 2.1 783241 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
HU04B 0.85 270.6 Pg 13:11:17.166 -0.0 T__ 181.6 --- ML 2.2 783242 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU04B 0.85 270.6 Lg 13:11:29.938 0.1 T__ --- 783234 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=0
HU23A 0.88 341.1 Lg 13:11:30.462 0.2 T__ --- 783232 FDSN Z6 00 BUD iLoc HHN ??? _
HU22A 1.17 246.1 Lg 13:11:40.223 -0.1 T__ --- 783235 FDSN Z6 00 BUD iLoc HHN ??? _
PSZ 1.23 334.8 Pn 13:11:22.323 -0.4 T__ 34.0 --- ML 1.7 783243 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 1.23 334.8 Sn 13:11:39.020 -0.1 T__ --- 783236 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
MORH 1.52 247.6 Lg 13:11:50.049 -1.1 T__ --- 783237 FDSN HU -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/19 13:12:34.30 0.89 1.17 46.8380 20.6892 10.0 3.4 141 10.0f 14 9 136 0.15 1.54 ke BUD 19004250 BUD 198

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Magnitude Err Nsta Author OrigID
ML 2.1 0.1 5 BUD 19004250

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU06A 0.15 213.7 Pg 13:12:38.035 -0.1 T__ 1500.7 --- ML 1.9 1260365 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.15 213.7 Lg 13:12:40.363 -0.8 T__ --- 1260358 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
HU24A 0.33 77.3 Pg 13:12:41.245 -0.3 T__ 376.9 --- ML 1.8 1260366 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU24A 0.33 77.3 Lg 13:12:47.738 0.9 T__ --- 1260361 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=0
HU12A 0.36 15.2 Lg 13:12:47.823 -0.0 T__ --- 1260359 FDSN Z6 00 BUD iLoc HHN ??? _
HU14A 0.57 227.3 Pg 13:12:46.528 0.4 T__ 247.0 --- ML 2.2 1260363 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU14A 0.57 227.3 Lg 13:12:55.994 1.2 T__ --- 1260362 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
HU21A 0.83 233.0 Pn 13:12:50.108 -0.1 T__ 141.4 --- ML 2.1 1260367 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU21A 0.83 233.0 Sn 13:13:03.418 0.5 T__ --- 1260360 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
HU04B 0.86 268.8 Pn 13:12:50.764 0.1 T__ 228.5 --- ML 2.3 1260368 FDSN Z6 00 BUD iLoc HHZ HHZ _

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HU04B	0.86	268.8	Sn	13:13:03.440	-0.1					T__					1260369	FDSN	Z6	00	BUD	iLoc	HHE	???	_
	(Reading ML: 2.3 magdef=1)																						
	(Station ML: 2.3 magdef=0)																						
HU01A	0.89	305.1	Sn	13:13:04.267	-0.1					T__					1260364	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU22A	1.19	245.2	Lg	13:13:14.263	-1.2					T__					1260370	FDSN	Z6	00	BUD	iLoc	HHN	???	_
MORH	1.54	246.9	Sn	13:13:23.340	3.2					T__					1260371	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/19	13:16:28.54	0.95	0.36	46.8328	20.6934	10.8	4.0	147	16.0	9.4	10	6	139	0.15	1.21	ke	BUD	19004252	BUD			201

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.2	5 BUD	19004252

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU06A	0.15	215.7	Pg	13:16:32.819	-0.1					T__		656.1			ML	1.5	783508	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.15	215.7	Lg	13:16:36.703	0.5					T__						783512	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
	(Reading ML: 1.5 magdef=1)																								
	(Station ML: 1.5 magdef=1)																								
HU24A	0.33	76.3	Pg	13:16:35.887	-0.1					T__		172.8			ML	1.5	783513	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 1.5 magdef=1)																								
	(Station ML: 1.5 magdef=0)																								
HU12A	0.36	14.6	Lg	13:16:42.466	0.0					T__						783509	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU21A	0.83	233.4	Pg	13:16:45.191	-0.0					T__		132.9			ML	2.1	783514	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU21A	0.83	233.4	Lg	13:16:57.651	-0.4					T__						783515	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
	(Reading ML: 2.1 magdef=1)																								
	(Station ML: 2.1 magdef=1)																								
HU04B	0.86	269.2	Pg	13:16:46.195	0.1					T__		191.7			ML	2.3	783510	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU04B	0.86	269.2	Lg	13:16:58.707	-0.4					T__						783516	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
	(Reading ML: 2.3 magdef=1)																								
	(Station ML: 2.3 magdef=0)																								
PSZ	1.21	333.7	Pn	13:16:51.000	0.1					T__		29.9			ML	1.7	783517	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.21	333.7	Sn	13:17:07.495	0.4					T__						783511	FDSN	GE	--	BUD	iLoc	HHN	???	_	
	(Reading ML: 1.7 magdef=1)																								
	(Station ML: 1.7 magdef=1)																								

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/19	13:45:04.06	0.95	1.36	46.8243	20.6855	7.3	3.8	142	8.9	9.6	8	6	140	0.14	1.54	ke	BUD	19004254	BUD			200

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.2	3 BUD	19004254

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU06A	0.14	215.9	Pg	13:45:07.639	0.0					T__		941.0			ML	1.7	783602	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 1.7 magdef=1)																								
	(Station ML: 1.7 magdef=1)																								
HU24A	0.34	75.1	Pg	13:45:10.999	-0.4					T__		177.9			ML	1.5	783603	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU24A	0.34	75.1	Lg	13:45:17.776	0.8					T__						783599	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
	(Reading ML: 1.5 magdef=1)																								
	(Station ML: 1.5 magdef=1)																								
HU12A	0.37	15.0	Pg	13:45:12.788	0.6					T__		290.3			ML	1.8	783598	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_

HU12A	0.37	15.0	Lg	13:45:17.436	-0.7	T__	---	783604	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1)																
(Station ML: 1.8 magdef=1)																
HU04B	0.86	269.8	Lg	13:45:33.251	-0.7	T__	---	783600	FDSN	Z6	00	BUD	iLoc	HHN	???	_
PSZ	1.22	334.1	Sn	13:45:42.510	-1.6	T__	---	783601	FDSN	GE	--	BUD	iLoc	HHN	???	_
MORH	1.54	247.4	Sn	13:45:53.361	1.7	T__	---	783605	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/19	13:53:56.40	1.08	1.02	46.8777	20.5915	12.5	5.3	116	12.4	14.4	6	4	150	0.17	1.14	ke	BUD	19004256	BUD			250

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
HU06A	0.17	185.7	Pg	13:54:01.013	0.3					T__		486.3		---	ML	1.4	783659	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU06A	0.17	185.7	Lg	13:54:03.197	-0.8					T__				---		783662	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 1.4 magdef=1)																										
(Station ML: 1.4 magdef=1)																										
HU12A	0.35	27.7	Pg	13:54:03.744	-0.4					T__		298.3		---	ML	1.7	783660	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU12A	0.35	27.7	Lg	13:54:10.742	1.1					T__				---		783663	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 1.7 magdef=1)																										
(Station ML: 1.7 magdef=1)																										
HU24A	0.39	85.1	Lg	13:54:10.910	-0.0					T__				---		783661	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
PSZ	1.14	335.8	Sn	13:54:33.845	-0.0					T__				---		783658	FDSN	GE	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/19	14:00:22.85	0.80	0.71	46.8017	20.7251	14.9	4.2	147	18.3	5.2	8	5	160	0.14	1.33	ke	BUD	19004258	BUD			236

Magnitude Err Nsta Author OrigID  
ML 1.6 0.4 4 BUD 19004258

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
HU06A	0.14	230.5	Pg	14:00:27.718	0.3					T__		462.1		---	ML	1.4	783742	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU06A	0.14	230.5	Lg	14:00:30.100	-0.6					T__				---		783743	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 1.4 magdef=1)																										
(Station ML: 1.4 magdef=1)																										
HU24A	0.32	69.9	Pg	14:00:30.345	0.1					T__		132.2		---	ML	1.3	783745	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU24A	0.32	69.9	Lg	14:00:35.569	0.1					T__				---		783744	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 1.3 magdef=1)																										
(Station ML: 1.3 magdef=1)																										
HU21A	0.83	236.1	Pn	14:00:40.114	0.5					T__		162.6		---	ML	2.2	783741	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU21A	0.83	236.1	Sn	14:00:50.567	-0.8					T__				---		783746	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 2.2 magdef=1)																										
(Station ML: 2.2 magdef=1)																										
PSZ	1.25	333.5	Sn	14:01:02.523	0.6					T__				---		783747	FDSN	GE	--	BUD	iLoc	HHN	???	_		
HU02A	1.33	354.2	Pn	14:00:46.073	-0.5					T__		38.3		---	ML	1.8	783748	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 1.8 magdef=1)																										
(Station ML: 1.8 magdef=1)																										

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
------	------	-----	-----	----------	-----------	------	------	----	-------	-----	------	------	-----	-------	-------	------	--------	--------	-----	-------	-----	-----

2023/08/19 14:38:53.09 0.68 0.63 46.8473 20.6671 3.8 3.2 168 14.5 5.8 40 27 55 0.15 3.60 ke BUD 19004260 BUD 74

Magnitude Err Nsta Author OrigID  
ML 2.8 0.1 22 BUD 19004260

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
HU06A	0.15	206.9	Pg	14:38:57.259	-0.1					T__		5698.5		---	ML	2.5 784247	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.15	206.9	Lg	14:39:01.919	1.4					T__				---		784248	FDSN	Z6	00	BUD	iLoc	HHN	???	_
				(Reading ML: 2.5 magdef=1 Station ML: 2.5 magdef=1)																				
HU24A	0.34	79.3	Pg	14:39:00.112	-0.6					T__		4226.4		---	ML	2.9 784250	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU24A	0.34	79.3	Lg	14:39:07.036	0.8					T__				---		784249	FDSN	Z6	00	BUD	iLoc	HHN	???	_
				(Reading ML: 2.9 magdef=1 Station ML: 2.9 magdef=1)																				
HU12A	0.35	18.0	Pg	14:39:00.482	-0.5					T__		1394.6		---	ML	2.4 784251	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU12A	0.35	18.0	Lg	14:39:07.041	0.4					T__				---		784252	FDSN	Z6	00	BUD	iLoc	HHN	???	_
				(Reading ML: 2.4 magdef=1 Station ML: 2.4 magdef=0)																				
HU13A	0.46	288.2	Lg	14:39:10.117	0.1					T__				---		784253	FDSN	Z6	00	BUD	iLoc	HHN	???	_
BSZH	0.53	329.0	Pg	14:39:04.584	-0.0					T__		1346.6		---	ML	2.9 784237	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.9 magdef=1 Station ML: 2.9 magdef=1)																				
HU14A	0.57	225.6	Pg	14:39:05.681	0.8					T__		1595.8		---	ML	3.0 784229	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 3.0 magdef=1 Station ML: 3.0 magdef=1)																				
HU05A	0.77	24.3	Lg	14:39:20.811	0.9					T__				---		784238	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU21A	0.83	231.8	Pg	14:39:09.274	-0.4					T__		885.2		---	ML	2.9 784254	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU21A	0.83	231.8	Sn	14:39:22.774	0.6					T__				---		784239	FDSN	Z6	00	BUD	iLoc	HHN	???	_
				(Reading ML: 2.9 magdef=1 Station ML: 2.9 magdef=1)																				
HU23A	0.84	340.4	Pn	14:39:10.098	-0.4					T__		1338.1		---	ML	3.1 784255	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 3.1 magdef=1 Station ML: 3.1 magdef=0)																				
HU04B	0.84	268.2	Pg	14:39:09.612	-0.7					T__		913.1		---	ML	2.9 784241	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU04B	0.84	268.2	Sn	14:39:22.308	-0.3					T__				---		784240	FDSN	Z6	00	BUD	iLoc	HHN	???	_
				(Reading ML: 2.9 magdef=1 Station ML: 2.9 magdef=1)																				
HU01A	0.87	305.2	Sn	14:39:23.038	-0.3					T__				---		784222	FDSN	Z6	00	BUD	iLoc	HHN	???	_
LTVH	1.00	57.0	Pn	14:39:11.926	-0.7					T__		553.1		---	ML	2.8 784256	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.8 magdef=1 Station ML: 2.8 magdef=1)																				
HU22A	1.18	244.4	Pn	14:39:14.421	-0.7					T__		807.6		---	ML	3.1 784230	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU22A	1.18	244.4	Pg	14:39:15.890	-0.4					T__				---		784242	FDSN	Z6	00	BUD	iLoc	HHZ	???	_
				(Reading ML: 3.1 magdef=1 Station ML: 3.1 magdef=0)																				
PSZ	1.19	334.2	Pn	14:39:14.421	-1.0					T__		303.7		---	ML	2.6 784257	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.19	334.2	Sn	14:39:31.945	0.5					T__				---		784232	FDSN	GE	--	BUD	iLoc	HHN	???	_
				(Reading ML: 2.6 magdef=1 Station ML: 2.6 magdef=1)																				
HU02A	1.28	355.7	Pn	14:39:16.553	0.0					T__		222.3		---	ML	2.6 784259	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.28	355.7	Sn	14:39:34.302	0.8					T__				---		784258	FDSN	Z6	00	BUD	iLoc	HHE	???	_
				(Reading ML: 2.6 magdef=1 Station ML: 2.6 magdef=1)																				

A271A	1.29	284.4	Lg	14:39:37.012	-0.9	T__						784243	FDSN	Z6	00	BUD	iLoc	HHN	???	_
CP17A	1.38	355.7	Pn	14:39:18.563	0.8	T__	384.2	---	ML	2.8	784225	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	HHZ	_
(Reading ML: 2.8 magdef=1)																				
(Station ML: 2.8 magdef=1)																				
BZS	1.40	151.5	Pn	14:39:17.683	-0.4	T__	145.4	---	ML	2.4	784223	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	BHZ	_
BZS	1.40	151.5	Pg	14:39:20.158	-0.1	T__		---			784245	FDSN	RO	--	BUD	iLoc	BHZ	???	???	_
BZS	1.40	151.5	Sn	14:39:36.484	0.2	T__		---			784244	FDSN	RO	--	BUD	iLoc	BHN	???	???	_
(Reading ML: 2.4 magdef=1)																				
(Station ML: 2.4 magdef=0)																				
DRGR	1.40	91.5	Pn	14:39:17.583	-0.7	T__	262.0	---	ML	2.7	784226	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	BHZ	_
DRGR	1.40	91.5	Sn	14:39:36.892	0.3	T__		---			784246	FDSN	RO	--	BUD	iLoc	BHN	???	???	_
(Reading ML: 2.7 magdef=1)																				
(Station ML: 2.7 magdef=1)																				
HU07A	1.42	36.3	Pg	14:39:20.927	-0.1	T__	277.9	---	ML	2.7	784227	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	HHZ	_
HU07A	1.42	36.3	Lg	14:39:40.907	0.8	T__		---			784233	FDSN	Z6	00	BUD	iLoc	HHN	???	???	_
(Reading ML: 2.7 magdef=1)																				
(Station ML: 2.7 magdef=1)																				
ABAH	1.50	14.8	Pg	14:39:22.485	-0.3	T__	191.9	---	ML	2.6	784228	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	HHZ	_
(Reading ML: 2.6 magdef=1)																				
(Station ML: 2.6 magdef=1)																				
MORH	1.53	246.4	Pn	14:39:18.890	-1.1	T__	128.4	---	ML	2.5	784224	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	HHZ	_
(Reading ML: 2.5 magdef=1)																				
(Station ML: 2.5 magdef=0)																				
KOVH	1.93	247.8	Lg	14:39:57.409	0.6	T__		---			784234	FDSN	HU	--	BUD	iLoc	HHN	???	???	_
GZR	2.07	134.0	Pn	14:39:27.683	0.3	T__	165.2	---	ML	2.9	784231	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	BHZ	_
GZR	2.07	134.0	Sn	14:39:52.875	-0.0	T__		---			784235	FDSN	RO	--	BUD	iLoc	BHN	???	???	_
(Reading ML: 2.9 magdef=1)																				
(Station ML: 2.9 magdef=1)																				
NIE	2.58	354.7	Pg	14:39:43.133	-0.2	T__	24.6	---	ML	2.3	784260	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	BHZ	_
(Reading ML: 2.3 magdef=1)																				
(Station ML: 2.3 magdef=0)																				
CONA	3.44	290.1	Pn	14:39:46.335	0.1	T__	42.1	---	ML	3.0	784261	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	HHZ	_
(Reading ML: 3.0 magdef=1)																				
(Station ML: 3.0 magdef=0)																				
MORC	3.60	325.7	Pn	14:39:49.138	0.8	T__	35.3	---	ML	3.0	784236	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	HHZ	_
(Reading ML: 3.0 magdef=1)																				
(Station ML: 3.0 magdef=0)																				

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/19	14:50:14.21	0.85	0.56	46.8503	20.6541	5.3	4.0	164	11.2	9.8	11	9	111	0.15	1.41	ke	BUD	19004262	BUD			139

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.1	4 BUD	19004262

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU06A	0.15	203.4	Pg	14:50:18.285	0.1					T__		1957.4		---	ML	2.0	784409	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.15	203.4	Lg	14:50:20.568	-0.6					T__				---		784405	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
HU24A	0.35	80.1	Pg	14:50:21.533	-0.4					T__		264.6		---	ML	1.7	784410	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU24A	0.35	80.1	Lg	14:50:28.405	0.9					T__				---		784411	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									

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(Station ML: 1.7 magdef=1
HU12A 0.35 19.5 Lg 14:50:28.177 0.5 T__
BSZH 0.52 329.7 Pg 14:50:25.132 -0.4 T__ 245.7 --- ML 2.1 784413 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
HU21A 0.82 231.3 Pg 14:50:30.453 -0.2 T__ 165.6 --- ML 2.2 784407 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
HU04B 0.84 267.9 Lg 14:50:44.298 0.5 T__
HU01A 0.86 305.4 Lg 14:50:44.606 0.1 T__
PSZ 1.19 334.5 Sn 14:50:53.217 0.2 T__
DRGR 1.41 91.6 Sn 14:50:58.299 -0.3 T__

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/19 14:52:48.57 0.68 0.88 46.8454 20.6766 4.6 3.4 163 10.0f 25 17 117 0.15 2.35 ke BUD 19004264 BUD 134

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Magnitude Err Nsta Author OrigID
ML 2.5 0.2 11 BUD 19004264

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU06A 0.15 209.4 Pg 14:52:52.856 0.4 T__ 4083.9 --- ML 2.3 784626 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.15 209.4 Lg 14:52:55.461 -0.0 T__ --- 784620 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=1
HU24A 0.34 78.8 Pg 14:52:56.102 0.1 T__ 1055.0 --- ML 2.3 784627 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU24A 0.34 78.8 Lg 14:53:02.684 1.3 T__ --- 784621 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=1
HU12A 0.35 16.9 Pg 14:52:56.311 -0.0 T__ 482.9 --- ML 2.0 784628 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU12A 0.35 16.9 Lg 14:53:02.889 0.9 T__ --- 784613 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=0
HU13A 0.46 288.2 Lg 14:53:05.717 0.1 T__ --- 784622 FDSN Z6 00 BUD iLoc HHN ??? _
BSZH 0.53 328.5 Pg 14:53:01.224 1.1 T__ 842.2 --- ML 2.7 784614 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 2.7 magdef=1
(Station ML: 2.7 magdef=0
HU14A 0.57 226.2 Pg 14:53:01.066 0.7 T__ 662.2 --- ML 2.6 784615 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.6 magdef=1
(Station ML: 2.6 magdef=1
HU21A 0.83 232.2 Pg 14:53:05.167 -0.0 T__ 407.0 --- ML 2.6 784629 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.6 magdef=1
(Station ML: 2.6 magdef=1
HU04B 0.85 268.3 Pg 14:53:05.901 -0.0 T__ 352.7 --- ML 2.5 784630 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU04B 0.85 268.3 Lg 14:53:17.737 -0.9 T__ --- 784623 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=1
HU01A 0.88 305.1 Lg 14:53:18.909 -0.1 T__ --- 784631 FDSN Z6 00 BUD iLoc HHN ??? _
A272A 1.18 265.7 Sn 14:53:29.101 1.4 T__ --- 784625 FDSN Z6 00 BUD iLoc HHN ??? _
HU22A 1.18 244.7 Pn 14:53:11.321 -0.2 T__ 252.4 --- ML 2.6 784617 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU22A 1.18 244.7 Sn 14:53:28.993 1.2 T__ --- 784624 FDSN Z6 00 BUD iLoc HHN ??? _
HU22A 1.18 244.7 Lg 14:53:29.128 -0.5 T__ --- 784632 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.6 magdef=1

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(Station ML: 2.6 magdef=1
PSZ 1.20 333.9 Pn 14:53:10.158 -1.6 T__ 73.3 --- ML 2.0 784616 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 1.20 333.9 Sn 14:53:28.038 -0.3 T__ --- 784633 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=0
BUD 1.30 300.1 Sn 14:53:31.093 0.5 T__ --- 784634 FDSN HU -- BUD iLoc HHN ??? _
DRGR 1.40 91.5 Pn 14:53:13.448 -1.1 T__ 68.8 --- ML 2.1 784636 FDSN RO -- BUD iLoc HHZ HHZ _
DRGR 1.40 91.5 Sn 14:53:32.981 -0.2 T__ --- 784635 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
HU07A 1.41 36.0 Lg 14:53:36.639 1.1 T__ --- 784637 FDSN Z6 00 BUD iLoc HHN ??? _
A266A 1.69 260.0 Pg 14:53:21.398 -0.3 T__ 167.8 --- ML 2.7 784618 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.7 magdef=1
(Station ML: 2.7 magdef=0
KOLS 2.35 26.6 Lg 14:54:06.544 1.6 T__ --- 784619 FDSN SK -- BUD iLoc HHN ??? _

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/19	14:58:16.67	0.77	0.88	46.8295	20.6917	8.3	3.7	152	13.0	7.9	12	8	125	0.15	1.51	ke	BUD	19004266	BUD			142

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.1	4 BUD	19004266

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU06A	0.15	216.1	Pg	14:58:21.022	0.3					T__		748.4		---	ML	1.6	784750	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.15	216.1	Lg	14:58:22.998	-0.7					T__				---		784751	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
HU24A	0.33	75.8	Pg	14:58:23.798	-0.2					T__		254.0		---	ML	1.6	784752	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU24A	0.33	75.8	Lg	14:58:30.048	0.7					T__				---		784753	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
HU12A	0.37	14.6	Lg	14:58:30.482	-0.0					T__				---		784754	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU21A	0.83	233.5	Pg	14:58:33.270	0.0					T__		164.7		---	ML	2.2	784756	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU21A	0.83	233.5	Lg	14:58:46.574	0.6					T__				---		784755	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
HU04B	0.86	269.4	Lg	14:58:46.399	-0.7					T__				---		784747	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	1.22	333.8	Pn	14:58:39.177	-0.3					T__		39.7		---	ML	1.8	784749	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.22	333.8	Sn	14:58:55.459	-0.4					T__				---		784748	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
DRGR	1.39	90.8	Sn	14:58:59.319	-0.7					T__				---		784757	FDSN	RO	--	BUD	iLoc	HHN	???	_	
ABAH	1.51	14.0	Sn	14:59:04.878	1.8					T__				---		784758	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/19	15:02:10.50	0.64	0.82	46.8308	20.6675	3.9	3.0	153	10.3	0.7	43	34	60	0.14	3.54	ke	BUD	19004268	BUD			109

Magnitude	Err	Nsta	Author	OrigID
ML	2.9	0.1	23 BUD	19004268

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU06A	0.14	210.1	Pg	15:02:14.909	0.8					T__		16311.3		___	ML	2.9	785170	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.14	210.1	Lg	15:02:17.484	0.5					T__				---		785174	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
			(Reading ML:	2.9	magdef=1																				
			(Station ML:	2.9	magdef=1																				
HU24A	0.35	76.6	Pg	15:02:17.936	-0.1					T__		4713.9		___	ML	2.9	785171	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU24A	0.35	76.6	Lg	15:02:22.872	-0.7					T__				---		785172	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
			(Reading ML:	2.9	magdef=1																				
			(Station ML:	2.9	magdef=1																				
HU12A	0.37	17.1	Pg	15:02:18.395	-0.2					T__		1662.3		___	ML	2.5	785151	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU12A	0.37	17.1	Lg	15:02:24.933	0.5					T__				---		785175	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
			(Reading ML:	2.5	magdef=1																				
			(Station ML:	2.5	magdef=0																				
HU13A	0.46	290.1	Lg	15:02:28.061	0.6					T__				---		785176	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
BSZH	0.54	329.9	Pg	15:02:22.463	0.2					T__		3407.1		___	ML	3.3	785144	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
			(Reading ML:	3.3	magdef=1																				
			(Station ML:	3.3	magdef=0																				
HU14A	0.56	226.8	Pg	15:02:23.074	1.0					T__		1981.3		___	ML	3.1	785152	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
			(Reading ML:	3.1	magdef=1																				
			(Station ML:	3.1	magdef=0																				
HU05A	0.79	23.8	Pg	15:02:26.857	0.1					T__		812.1		___	ML	2.8	785153	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
			(Reading ML:	2.8	magdef=1																				
			(Station ML:	2.8	magdef=1																				
HU21A	0.82	232.8	Pg	15:02:27.075	0.2					T__		1013.1		___	ML	3.0	785160	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
			(Reading ML:	3.0	magdef=1																				
			(Station ML:	3.0	magdef=1																				
HU04B	0.84	269.3	Pg	15:02:27.360	-0.4					T__		1005.2		___	ML	3.0	785161	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU04B	0.84	269.3	Lg	15:02:39.908	-0.5					T__				---		785173	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
			(Reading ML:	3.0	magdef=1																				
			(Station ML:	3.0	magdef=1																				
HU23A	0.86	340.7	Pg	15:02:27.905	-0.5					T__		932.1		___	ML	2.9	785162	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
			(Reading ML:	2.9	magdef=1																				
			(Station ML:	2.9	magdef=1																				
HU01A	0.88	306.1	Pn	15:02:27.915	-1.0					T__		817.2		___	ML	2.9	785154	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU01A	0.88	306.1	Lg	15:02:40.932	-0.1					T__				---		785163	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
			(Reading ML:	2.9	magdef=1																				
			(Station ML:	2.9	magdef=1																				
LTVH	1.01	56.2	Pn	15:02:29.994	-0.7					T__		557.8		___	ML	2.8	785155	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
LTVH	1.01	56.2	Sn	15:02:45.995	1.1					T__				---		785156	FDSN	HU	--	BUD	iLoc	HHN	???	_	
			(Reading ML:	2.8	magdef=1																				
			(Station ML:	2.8	magdef=1																				
HU11A	1.15	17.1	Lg	15:02:49.623	0.6					T__				---		785177	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU22A	1.17	245.2	Pn	15:02:33.183	0.3					T__		683.8		___	ML	3.0	785164	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
			(Reading ML:	3.0	magdef=1																				
			(Station ML:	3.0	magdef=1																				
PSZ	1.21	334.5	Pn	15:02:32.031	-1.5					T__		266.2		___	ML	2.6	785178	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.21	334.5	Sn	15:02:50.124	0.1					T__				---		785165	FDSN	GE	--	BUD	iLoc	HHN	???	_	
			(Reading ML:	2.6	magdef=1																				
			(Station ML:	2.6	magdef=1																				
HU02A	1.30	355.8	Pn	15:02:34.545	-0.2					T__		102.4		___	ML	2.2	785180	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
			(Reading ML:	2.2	magdef=1																				
			(Station ML:	2.2	magdef=0																				
HU03A	1.30	326.3	Pn	15:02:33.804	-0.8					T__		327.6		___	ML	2.7	785179	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_

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(Reading ML: 2.7 magdef=1
(Station ML: 2.7 magdef=1
A271A 1.30 285.1 Lg 15:02:54.926 0.0 T__ 785157 FDSN Z6 00 BUD iLoc HHN ??? _
BZS 1.38 151.2 Pn 15:02:34.941 -0.9 T__ 103.1 --- ML 2.3 785181 FDSN RO -- BUD iLoc BHZ BHZ _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=0
CP17A 1.39 355.7 Pn 15:02:34.930 -1.0 T__ 302.9 --- ML 2.8 785158 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.8 magdef=1
(Station ML: 2.8 magdef=1
DRGR 1.40 90.9 Pn 15:02:35.517 -0.7 T__ 175.1 --- ML 2.5 785146 FDSN RO -- BUD iLoc BHZ BHZ _
(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=0
HU07A 1.43 35.9 Pg 15:02:38.110 -0.6 T__ 314.6 --- ML 2.8 785182 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU07A 1.43 35.9 Lg 15:02:58.962 1.0 T__ --- 785166 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.8 magdef=1
(Station ML: 2.8 magdef=1
A267A 1.50 275.2 Lg 15:03:01.810 0.2 T__ 785167 FDSN Z6 00 BUD iLoc HHN ??? _
ABAH 1.52 14.6 Sn 15:02:59.117 1.7 T__ --- 785145 FDSN HU -- BUD iLoc HHN ??? _
MORH 1.53 246.9 Pn 15:02:36.346 -1.4 T__ 178.0 --- ML 2.6 785147 FDSN HU -- BUD iLoc HHZ HHZ _
MORH 1.53 246.9 Lg 15:03:00.618 -1.2 T__ --- 785159 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 2.6 magdef=1
(Station ML: 2.6 magdef=1
FRGS 1.78 200.0 Lg 15:03:08.738 -1.4 T__ --- 785168 FDSN SJ -- BUD iLoc BHN ??? _
SR0 1.88 302.4 Pn 15:02:43.076 0.4 T__ 565.8 --- ML 3.3 785183 FDSN SK -- BUD iLoc EHZ EHZ _
(Reading ML: 3.3 magdef=1
(Station ML: 3.3 magdef=0
KOVH 1.92 248.2 Lg 15:03:14.277 0.3 T__ --- 785148 FDSN HU -- BUD iLoc HHN ??? _
A265A 2.02 259.4 Lg 15:03:18.798 1.7 T__ --- 785169 FDSN Z6 00 BUD iLoc HHN ??? _
MPLH 2.17 280.1 Lg 15:03:22.597 -0.3 T__ --- 785149 FDSN HU -- BUD iLoc HHN ??? _
RONA 3.10 287.9 Pn 15:02:59.159 -0.3 T__ --- 785184 FDSN OE -- BUD iLoc HHZ ??? _
BURAR 3.20 74.1 Pn 15:03:01.726 0.9 T__ --- 785185 FDSN RO -- BUD iLoc BHZ ??? _
CONA 3.44 290.3 Pn 15:03:03.864 -0.4 T__ 31.9 --- ML 2.9 785150 FDSN OE -- BUD iLoc HHZ HHZ _
(Reading ML: 2.9 magdef=1
(Station ML: 2.9 magdef=1
ARSA 3.54 278.7 Pn 15:03:05.715 0.2 T__ 33.5 --- ML 3.0 785186 FDSN OE -- BUD iLoc HHZ HHZ _
(Reading ML: 3.0 magdef=1
(Station ML: 3.0 magdef=0

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/19 15:08:10.38 1.06 0.52 46.8439 20.6788 12.2 4.0 145 16.8 10.7 8 5 131 0.15 1.20 ke BUD 19004270 BUD 193

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Magnitude Err Nsta Author OrigID
ML 1.5 0.0 3 BUD 19004270

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU06A 0.15 210.2 Pg 15:08:14.704 -0.3 T__ 619.1 --- ML 1.5 785323 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.15 210.2 Lg 15:08:18.626 0.4 T__ --- 785324 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
HU24A 0.34 78.5 Pg 15:08:17.652 -0.4 T__ 179.7 --- ML 1.5 785325 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU24A 0.34 78.5 Lg 15:08:24.226 0.8 T__ --- 785328 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1

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(Station ML: 1.5 magdef=1
HU12A 0.35 16.6 Lg 15:08:24.337 0.2 T__
HU21A 0.83 232.4 Pg 15:08:26.968 -0.1 T__ 135.4 --- ML 2.1 785329 FDSN Z6 00 BUD iLoc HHN ??? _
HU21A 0.83 232.4 Lg 15:08:39.890 0.0 T__ --- 785322 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
PSZ 1.20 333.9 Sn 15:08:48.598 0.2 T__ --- 785327 FDSN GE -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/19 15:08:35.51 0.89 0.82 46.8483 20.6923 8.9 3.8 145 10.7 10.3 9 7 120 0.16 1.39 ke BUD 19004272 BUD 142

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU06A 0.16 212.3 Pg 15:08:39.793 0.2 T__ 614.3 --- ML 1.5 785416 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.16 212.3 Lg 15:08:41.712 -1.0 T__ --- 785417 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
HU24A 0.33 79.0 Pg 15:08:42.436 -0.3 T__ 180.2 --- ML 1.5 785418 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU24A 0.33 79.0 Lg 15:08:48.779 0.8 T__ --- 785419 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
HU12A 0.35 15.3 Lg 15:08:49.088 0.4 T__ --- 785414 FDSN Z6 00 BUD iLoc HHN ??? _
HU14A 0.58 226.7 Lg 15:08:57.334 1.0 T__ --- 785415 FDSN Z6 00 BUD iLoc HHN ??? _
HU21A 0.84 232.5 Lg 15:09:04.967 -0.2 T__ --- 785422 FDSN Z6 00 BUD iLoc HHN ??? _
PSZ 1.20 333.4 Sn 15:09:14.084 -0.6 T__ --- 785420 FDSN GE -- BUD iLoc HHN ??? _
DRGR 1.39 91.6 Sn 15:09:19.260 -0.0 T__ --- 785421 FDSN RO -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/19 15:43:07.49 0.76 0.84 46.8611 20.6553 4.0 3.3 152 8.0 6.5 25 17 59 0.16 1.93 ke BUD 19004274 BUD 110

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Magnitude Err Nsta Author OrigID  
ML 2.3 0.1 11 BUD 19004274

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU06A 0.16 202.1 Pg 15:43:11.489 0.1 T__ 1514.8 --- ML 1.9 785673 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.16 202.1 Lg 15:43:13.905 -0.5 T__ --- 785658 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
HU12A 0.34 20.0 Pg 15:43:14.866 -0.1 T__ 351.4 --- ML 1.8 785652 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU12A 0.34 20.0 Lg 15:43:21.506 0.8 T__ --- 785651 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=0
HU24A 0.35 81.8 Pg 15:43:14.816 -0.2 T__ 720.1 --- ML 2.1 785659 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU24A 0.35 81.8 Lg 15:43:21.389 0.5 T__ --- 785660 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
HU13A 0.44 286.8 Lg 15:43:23.525 -0.4 T__ --- 785674 FDSN Z6 00 BUD iLoc HHN ??? _
HU14A 0.57 224.0 Pg 15:43:19.700 0.4 T__ 473.4 --- ML 2.5 785662 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU14A 0.57 224.0 Lg 15:43:29.475 1.3 T__ --- 785661 FDSN Z6 00 BUD iLoc HHN ??? _

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(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=0
HU05A 0.77 25.2 Lg 15:43:35.773 1.6 T__ --- 785653 FDSN Z6 00 BUD iLoc HHN ??? _
HU23A 0.83 340.6 Pg 15:43:24.294 -0.5 T__ 242.8 --- ML 2.3 785655 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=1
HU21A 0.83 230.7 Pg 15:43:23.662 -0.5 T__ 214.8 --- ML 2.3 785654 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=1
HU04B 0.84 267.2 Pg 15:43:24.370 -0.3 T__ 256.6 --- ML 2.4 785663 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=1
HU01A 0.86 304.8 Lg 15:43:37.561 0.1 T__ --- 785664 FDSN Z6 00 BUD iLoc HHN ??? _
PSZ 1.18 334.2 Sn 15:43:46.716 0.1 T__ --- 785666 FDSN GE -- BUD iLoc HHN ??? _
HU22A 1.18 243.7 Pn 15:43:29.921 -0.3 T__ 132.1 --- ML 2.3 785656 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU22A 1.18 243.7 Sn 15:43:47.488 1.0 T__ --- 785665 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=1
HU07A 1.41 36.9 Pn 15:43:34.929 1.5 T__ 145.5 --- ML 2.4 785669 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU07A 1.41 36.9 Lg 15:43:55.368 0.8 T__ --- 785670 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=0
BZS 1.41 151.5 Pn 15:43:32.768 -0.7 T__ 26.4 --- ML 1.7 785667 FDSN R0 -- BUD iLoc HHZ HHZ _
BZS 1.41 151.5 Lg 15:43:53.682 0.5 T__ --- 785675 FDSN R0 -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=0
DRGR 1.41 92.1 Pn 15:43:31.791 -1.8 T__ 56.7 --- ML 2.0 785657 FDSN R0 -- BUD iLoc HHZ HHZ _
DRGR 1.41 92.1 Sn 15:43:52.209 -0.2 T__ --- 785668 FDSN R0 -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
A267A 1.49 274.1 Lg 15:43:58.123 -0.3 T__ --- 785671 FDSN Z6 00 BUD iLoc HHN ??? _
KOVH 1.93 247.3 Lg 15:44:11.542 0.2 T__ --- 785672 FDSN HU -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/19 15:54:10.11 0.67 0.83 46.8594 20.6535 4.0 2.9 156 14.8 5.9 88 63 45 0.16 3.74 ke BUD 19004276 BUD 62

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Magnitude Err Nsta Author OrigID
ML 3.8 0.1 55 BUD 19004276

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
HU06A 0.16 201.9 Pg 15:54:14.105 -0.5 T__ 200439.5 _d ML 4.0 786971 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.16 201.9 Lg 15:54:16.887 -0.9 T__ --- 786979 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 4.0 magdef=1
(Station ML: 4.0 magdef=1
HU12A 0.34 20.1 Pg 15:54:17.595 -0.3 T__ 14002.6 --- ML 3.4 786994 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU12A 0.34 20.1 Lg 15:54:24.325 0.9 T__ --- 786995 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 3.4 magdef=1
(Station ML: 3.4 magdef=0
HU24A 0.35 81.5 Pg 15:54:17.408 -0.5 T__ 45801.3 --- ML 3.9 786993 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU24A 0.35 81.5 Lg 15:54:24.059 0.6 T__ --- 787030 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 3.9 magdef=1
(Station ML: 3.9 magdef=1

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HU13A	0.44	287.1	Pg	15:54:19.637	-0.3	T__	8830.7	___ ML	3.5	787031	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU13A	0.44	287.1	Lg	15:54:27.126	0.5	T__		___		787032	FDSN	Z6	00	BUD	iLoc	HHN	???	_
			(Reading ML: 3.5 magdef=1															
			(Station ML: 3.5 magdef=0															
BSZH	0.51	329.2	Pg	15:54:21.655	0.3	T__	16540.7	___ ML	3.9	786958	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 3.9 magdef=1															
			(Station ML: 3.9 magdef=1															
HU14A	0.57	224.0	Pg	15:54:22.314	0.4	T__	26453.7	___ ML	4.2	787033	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 4.2 magdef=1															
			(Station ML: 4.2 magdef=0															
HU05A	0.77	25.3	Pg	15:54:25.479	-0.5	T__	6420.0	___ ML	3.7	786996	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 3.7 magdef=1															
			(Station ML: 3.7 magdef=1															
HU21A	0.83	230.8	Pg	15:54:26.368	-0.3	T__	16715.8	___ ML	4.2	786997	FDSN	Z6	00	BUD	iLoc	HHN	HHZ	_
			(Reading ML: 4.2 magdef=1															
			(Station ML: 4.2 magdef=0															
HU23A	0.83	340.7	Pn	15:54:26.798	-0.4	T__	4887.0	___ ML	3.6	787036	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 3.6 magdef=1															
			(Station ML: 3.6 magdef=1															
HU04B	0.84	267.3	Pg	15:54:26.514	-0.7	T__	8420.9	_d_ ML	3.9	787034	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU04B	0.84	267.3	Sn	15:54:39.573	0.2	T__		___		787035	FDSN	Z6	00	BUD	iLoc	HHN	???	_
			(Reading ML: 3.9 magdef=1															
			(Station ML: 3.9 magdef=1															
HU01A	0.86	304.9	Pn	15:54:27.109	-0.5	T__	7976.9	___ ML	3.9	786972	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU01A	0.86	304.9	Sn	15:54:39.971	0.1	T__		___		786973	FDSN	Z6	00	BUD	iLoc	HHN	???	_
			(Reading ML: 3.9 magdef=1															
			(Station ML: 3.9 magdef=1															
LTVH	1.00	57.9	Pn	15:54:28.796	-0.8	T__	6243.1	___ ML	3.9	786998	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 3.9 magdef=1															
			(Station ML: 3.9 magdef=1															
HU11A	1.12	18.0	Pn	15:54:30.720	-0.6	T__	4040.0	___ ML	3.7	786980	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU11A	1.12	18.0	Lg	15:54:47.855	-0.1	T__		___		787037	FDSN	Z6	00	BUD	iLoc	HHN	???	_
			(Reading ML: 3.7 magdef=1															
			(Station ML: 3.7 magdef=1															
A272A	1.17	264.9	Pn	15:54:31.588	-0.3	T__	5023.3	___ ML	3.8	787039	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 3.8 magdef=1															
			(Station ML: 3.8 magdef=1															
HU22A	1.18	243.7	Pn	15:54:31.129	-0.9	T__	7180.3	___ ML	4.0	786999	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU22A	1.18	243.7	Pg	15:54:32.526	-0.8	T__		___		787038	FDSN	Z6	00	BUD	iLoc	HHZ	???	_
			(Reading ML: 4.0 magdef=1															
			(Station ML: 4.0 magdef=1															
PSZ	1.18	334.3	Pn	15:54:31.257	-0.9	T__	1945.2	___ ML	3.4	786959	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.18	334.3	Sn	15:54:49.699	1.7	T__		___		786981	FDSN	GE	--	BUD	iLoc	HHN	???	_
			(Reading ML: 3.4 magdef=1															
			(Station ML: 3.4 magdef=0															
HU02A	1.27	356.1	Pn	15:54:32.513	-0.8	T__	841.7	___ ML	3.1	787000	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.27	356.1	Lg	15:54:52.826	-0.3	T__		___		787040	FDSN	Z6	00	BUD	iLoc	HHN	???	_
			(Reading ML: 3.1 magdef=1															
			(Station ML: 3.1 magdef=0															
HU03A	1.27	326.0	Pn	15:54:32.978	-0.3	T__	2322.4	___ ML	3.6	787001	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU03A	1.27	326.0	Lg	15:54:52.537	-1.1	T__		___		786982	FDSN	Z6	00	BUD	iLoc	HHN	???	_
			(Reading ML: 3.6 magdef=1															
			(Station ML: 3.6 magdef=1															

BUD	1.28	299.9	Pn	15:54:32.431	-1.0	T__	2347.5	___ ML	3.6	787002	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 3.6 magdef=1)																			
(Station ML: 3.6 magdef=1)																			
A271A	1.28	284.0	Lg	15:54:53.827	-0.7	T__		---		786974	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP17A	1.36	356.0	Pn	15:54:34.096	-0.5	T__	2646.4	_d_ ML	3.7	787041	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 3.7 magdef=1)																			
(Station ML: 3.7 magdef=1)																			
BZS	1.41	151.4	Pn	15:54:34.573	-0.7	T__	1552.3	___ ML	3.5	787003	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
BZS	1.41	151.4	Lg	15:54:56.185	0.6	T__		---		786983	FDSN	RO	--	BUD	iLoc	BHN	???	_	
(Reading ML: 3.5 magdef=1)																			
(Station ML: 3.5 magdef=0)																			
HU07A	1.41	36.9	Pn	15:54:33.656	-1.6	T__	3290.9	___ ML	3.8	787006	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU07A	1.41	36.9	Pg	15:54:37.529	-0.5	T__		---		786984	FDSN	Z6	00	BUD	iLoc	HHZ	???	_	
(Reading ML: 3.8 magdef=1)																			
(Station ML: 3.8 magdef=1)																			
DRGR	1.41	92.0	Pn	15:54:34.516	-0.9	T__	2882.1	___ ML	3.7	787005	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
DRGR	1.41	92.0	Sn	15:54:54.345	0.5	T__		---		787004	FDSN	RO	--	BUD	iLoc	BHN	???	_	
(Reading ML: 3.7 magdef=1)																			
(Station ML: 3.7 magdef=1)																			
CP16A	1.49	357.1	Pn	15:54:36.150	-0.1	T__	1576.5	___ ML	3.5	787007	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 3.5 magdef=1)																			
(Station ML: 3.5 magdef=1)																			
ABAH	1.49	15.2	Pn	15:54:35.395	-1.0	T__	1352.6	___ ML	3.5	787008	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 3.5 magdef=1)																			
(Station ML: 3.5 magdef=0)																			
A267A	1.49	274.1	Pn	15:54:36.240	-0.1	T__	3082.2	___ ML	3.8	787009	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
A267A	1.49	274.1	Pg	15:54:39.757	0.2	T__	3081.8	___ ML	3.8	786975	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
A267A	1.49	274.1	Lg	15:55:01.230	0.2	T__		---		786985	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 3.8 magdef=1)																			
(Station ML: 3.8 magdef=1)																			
MORH	1.53	245.8	Pn	15:54:35.562	-1.3	T__	1703.4	___ ML	3.6	787010	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
MORH	1.53	245.8	Lg	15:55:00.648	-1.0	T__		---		787045	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 3.6 magdef=1)																			
(Station ML: 3.6 magdef=1)																			
KECS	1.63	356.1	Pn	15:54:38.552	0.3	T__	2337.8	___ ML	3.8	787024	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_	
(Reading ML: 3.8 magdef=1)																			
(Station ML: 3.8 magdef=1)																			
A266A	1.68	259.4	Pn	15:54:38.212	-0.7	T__	4632.6	___ ML	4.1	786976	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
A266A	1.68	259.4	Pg	15:54:42.591	-0.4	T__		---		786986	FDSN	Z6	00	BUD	iLoc	HHZ	???	_	
(Reading ML: 4.1 magdef=1)																			
(Station ML: 4.1 magdef=0)																			
HU09A	1.73	297.6	Lg	15:55:07.257	-2.8	T__		---		786977	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
TRPA	1.80	44.5	Pn	15:54:39.137	-1.5	T__	891.4	___ ML	3.5	786960	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
TRPA	1.80	44.5	Pg	15:54:44.460	-0.7	T__		---		787025	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
(Reading ML: 3.5 magdef=1)																			
(Station ML: 3.5 magdef=0)																			
DEV	1.84	121.3	Pn	15:54:41.028	-0.1	T__	1874.5	___ ML	3.8	786961	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
(Reading ML: 3.8 magdef=1)																			
(Station ML: 3.8 magdef=1)																			
SR0	1.86	301.8	Pn	15:54:42.047	0.7	T__	6685.1	___ ML	4.4	787011	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_	
(Reading ML: 4.4 magdef=1)																			
(Station ML: 4.4 magdef=0)																			
TIH	1.89	272.2	Sn	15:55:05.669	0.2	T__		---		786987	FDSN	HU	--	BUD	iLoc	HHN	???	_	

KOVH	1.93	247.3	Pn	15:54:41.091	-1.3	T__	1902.8	___	ML	3.9	786962	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	1.93	247.3	Lg	15:55:14.160	0.4	T__		---			787012	FDSN	HU	--	BUD	iLoc	HHN	???	_
HU08A	1.95	288.1	Pn	15:54:43.012	0.4	T__	1774.5	___	ML	3.8	787013	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A265A	2.02	258.6	Lg	15:55:17.084	0.4	T__		---			786988	FDSN	Z6	00	BUD	iLoc	HHN	???	_
GZR	2.08	134.0	Pn	15:54:44.624	0.1	T__	1571.6	---	ML	3.9	787026	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
UZH	2.09	31.4	Lg	15:55:19.289	0.9	T__		---			786989	FDSN	UA	--	BUD	iLoc	BHN	???	_
BMR	2.10	66.1	Pg	15:54:49.979	-0.8	T__	2944.8	---	ML	4.1	787027	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
MPLH	2.15	279.4	Pn	15:54:46.338	0.9	T__	1117.6	---	ML	3.7	786963	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
A273A	2.18	245.4	Lg	15:55:21.939	0.6	T__		---			786990	FDSN	Z6	00	BUD	iLoc	HHN	???	_
EGYH	2.34	285.0	Pn	15:54:50.254	2.3	T__	900.5	---	ML	3.8	787014	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
EGYH	2.34	285.0	Sn	15:55:17.836	1.4	T__		---			786967	FDSN	HU	--	BUD	iLoc	HHN	???	_
KOLS	2.34	27.1	Pg	15:54:55.823	0.8	T__		---			786991	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	2.34	27.1	Lg	15:55:28.040	1.7	T__		---			787028	FDSN	SK	--	BUD	iLoc	HHN	???	_
A264A	2.43	254.5	Pg	15:54:56.385	-0.6	T__	1927.0	---	ML	4.1	786978	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A264A	2.43	254.5	Sn	15:55:17.987	-0.6	T__		---			787015	FDSN	Z6	00	BUD	iLoc	HHN	???	_
A264A	2.43	254.5	Lg	15:55:29.983	1.0	T__		---			786992	FDSN	Z6	00	BUD	iLoc	HHN	???	_
MEZ	2.54	48.4	Pn	15:54:50.625	-0.3	T__		---			787016	FDSN	UA	--	BUD	iLoc	BHZ	???	_
NIE	2.57	354.8	Pn	15:54:53.324	2.1	T__	144.1	---	ML	3.1	787018	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
LOT	2.59	122.0	Pn	15:54:51.396	-0.1	T__	1936.5	---	ML	4.2	787017	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
MODS	2.74	304.8	Pn	15:54:53.622	0.0	T__	201040.1	---	ML	6.3	786964	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
JAVC	2.83	316.0	Pn	15:54:55.498	0.6	T__	283.0	---	ML	3.5	787042	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
SOP	2.91	288.0	Pn	15:54:56.033	0.2	T__	417.1	---	ML	3.7	787043	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOGS	3.06	263.9	Pg	15:55:08.616	0.2	T__	618.1	---	ML	4.0	786968	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
RONA	3.08	287.4	Pn	15:54:58.252	-0.1	T__	304.8	---	ML	3.7	786965	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
BBLS	3.12	196.8	Pn	15:54:59.233	0.4	T__	1400.5	---	ML	4.4	787044	FDSN	SJ	--	BUD	iLoc	BHZ	BHZ	_

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(Reading ML: 4.4 magdef=1
(Station ML: 4.4 magdef=0
PTJ 3.38 255.3 Pg 15:55:14.338 0.2 T__ 574.5 ___ ML 4.1 787029 FDSN CR -- BUD iLoc BHZ BHZ _
(Reading ML: 4.1 magdef=1
(Station ML: 4.1 magdef=0
ZAG 3.39 254.0 Pg 15:55:14.371 0.3 T__ 2620.8 ___ ML 4.8 786969 FDSN CR -- BUD iLoc BHZ BHZ _
(Reading ML: 4.8 magdef=1
(Station ML: 4.8 magdef=0
CONA 3.43 289.9 Pn 15:55:03.072 0.0 T__ 174.2 ___ ML 3.6 787019 FDSN OE -- BUD iLoc HHZ HHZ _
(Reading ML: 3.6 magdef=1
(Station ML: 3.6 magdef=1
ARSA 3.53 278.2 Pn 15:55:04.832 0.4 T__ 244.5 ___ ML 3.9 786966 FDSN OE -- BUD iLoc HHZ HHZ _
(Reading ML: 3.9 magdef=1
(Station ML: 3.9 magdef=1
MORC 3.58 325.7 Pn 15:55:05.476 0.3 T__ 98.6 ___ ML 3.5 787020 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 3.5 magdef=1
(Station ML: 3.5 magdef=0
KRUC 3.61 309.2 Pn 15:55:05.435 -0.1 T__ 78.7 ___ ML 3.4 787021 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 3.4 magdef=1
(Station ML: 3.4 magdef=0
VRAC 3.66 313.5 Pn 15:55:06.393 0.2 T__ 54.7 ___ ML 3.3 787022 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 3.3 magdef=1
(Station ML: 3.3 magdef=0
CRES 3.74 255.9 Pn 15:55:07.426 0.1 T__ 310.3 ___ ML 4.0 787023 FDSN SL -- BUD iLoc BHZ BHZ _
CRES 3.74 255.9 Pg 15:55:21.026 0.9 T__ 309.9 ___ ML 4.0 786970 FDSN SL -- BUD iLoc BHZ BHZ _
(Reading ML: 4.0 magdef=1
(Station ML: 4.0 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/19 15:56:08.22 0.70 0.73 46.8599 20.6727 4.8 3.2 147 15.5 6.4 25 18 114 0.16 1.69 ke BUD 19004278 BUD 132

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Magnitude Err Nsta Author OrigID
ML 3.1 0.3 17 BUD 19004278

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU06A 0.16 206.1 Pg 15:56:12.220 -0.6 T__ 12894.1 ___ ML 2.9 787408 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.16 206.1 Lg 15:56:16.523 0.3 T__ ___ 787409 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.9 magdef=1
(Station ML: 2.9 magdef=1
HU24A 0.34 81.3 Pg 15:56:15.526 -0.3 T__ 3617.3 ___ ML 2.8 787399 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU24A 0.34 81.3 Lg 15:56:22.115 0.9 T__ ___ 787410 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.8 magdef=1
(Station ML: 2.8 magdef=1
HU12A 0.34 18.0 Pg 15:56:15.641 -0.3 T__ 1495.4 ___ ML 2.4 787411 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU12A 0.34 18.0 Lg 15:56:22.306 0.9 T__ ___ 787398 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=0
HU13A 0.46 286.5 Pg 15:56:17.877 -0.4 T__ 1186.9 ___ ML 2.6 787412 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU13A 0.46 286.5 Lg 15:56:25.148 -0.0 T__ ___ 787404 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.6 magdef=1
(Station ML: 2.6 magdef=0
BSZH 0.52 327.9 Pg 15:56:19.715 0.1 T__ 2581.2 ___ ML 3.2 787402 FDSN HU -- BUD iLoc HHZ HHZ _

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(Reading ML: 3.2 magdef=1
(Station ML: 3.2 magdef=1
HU14A 0.58 225.0 Pg 15:56:20.388 0.1 T__ 2690.9 ___ ML 3.3 787413 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU14A 0.58 225.0 Lg 15:56:30.533 1.4 T__ ___ 787403 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 3.3 magdef=1
(Station ML: 3.3 magdef=1
HU05A 0.76 24.4 Pg 15:56:23.630 -0.3 T__ 1077.7 ___ ML 3.0 787414 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 3.0 magdef=1
(Station ML: 3.0 magdef=1
HU23A 0.83 339.9 Pn 15:56:25.186 -0.1 T__ 1241.5 ___ ML 3.1 787415 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 3.1 magdef=1
(Station ML: 3.1 magdef=1
HU21A 0.84 231.3 Pg 15:56:24.685 -0.3 T__ 2263.3 ___ ML 3.3 787400 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 3.3 magdef=1
(Station ML: 3.3 magdef=1
HU04B 0.85 267.3 Pg 15:56:24.596 -1.0 T__ 1341.3 ___ ML 3.1 787416 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU04B 0.85 267.3 Sn 15:56:38.473 0.8 T__ ___ 787417 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 3.1 magdef=1
(Station ML: 3.1 magdef=1
HU01A 0.87 304.4 Sn 15:56:38.473 0.3 T__ ___ 787418 FDSN Z6 00 BUD iLoc HHN ??? _
A272A 1.18 265.0 Pn 15:56:31.305 1.2 T__ ___ ML 3.4 787419 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 3.4 magdef=1
(Station ML: 3.4 magdef=0
PSZ 1.18 333.8 Pn 15:56:29.680 -0.6 T__ ___ ML 2.7 787401 FDSN GE -- BUD iLoc HHZ HHZ _
(Reading ML: 2.7 magdef=1
(Station ML: 2.7 magdef=0
HU22A 1.19 244.0 Pn 15:56:30.491 0.3 T__ 2086.5 ___ ML 3.5 787405 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU22A 1.19 244.0 Lg 15:56:48.751 -0.7 T__ ___ 787422 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 3.5 magdef=1
(Station ML: 3.5 magdef=0
A271A 1.29 283.9 Pg 15:56:34.233 0.0 T__ 1132.7 ___ ML 3.3 787406 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 3.3 magdef=1
(Station ML: 3.3 magdef=1
DRGR 1.40 92.1 Pn 15:56:32.918 -0.3 T__ 353.7 ___ ML 2.8 787420 FDSN R0 -- BUD iLoc HHZ HHZ _
(Reading ML: 2.8 magdef=1
(Station ML: 2.8 magdef=1
MORH 1.54 246.0 Pn 15:56:33.651 -1.4 T__ 206.0 ___ ML 2.7 787421 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 2.7 magdef=1
(Station ML: 2.7 magdef=1
A266A 1.69 259.5 Pg 15:56:40.835 -0.5 T__ 1435.8 ___ ML 3.6 787407 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 3.6 magdef=1
(Station ML: 3.6 magdef=0

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/19 16:01:15.17 0.86 0.79 46.8556 20.6795 4.9 3.6 149 10.0f 16 12 127 0.16 2.34 ke BUD 19004280 BUD 172

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Magnitude Err Nsta Author OrigID
ML 2.4 0.1 7 BUD 19004280

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU06A 0.16 208.3 Pg 16:01:18.958 -0.3 T__ 2568.1 ___ ML 2.2 787620 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.16 208.3 Lg 16:01:23.118 0.7 T__ ___ 787628 FDSN Z6 00 BUD iLoc HHN ??? _

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(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
HU24A 0.33 80.5 Pg 16:01:22.079 -0.4 T__ 678.1 ___ ML 2.1 787629 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU24A 0.33 80.5 Lg 16:01:28.713 0.9 T__ ___ 787630 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
HU12A 0.34 17.1 Pg 16:01:22.116 -0.6 T__ 433.8 ___ ML 1.9 787631 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU12A 0.34 17.1 Lg 16:01:28.695 0.4 T__ ___ 787632 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=0
HU13A 0.46 286.9 Lg 16:01:31.557 -0.6 T__ ___ 787633 FDSN Z6 00 BUD iLoc HHN ??? _
BSZH 0.53 327.7 Pg 16:01:27.429 0.9 T__ ___ ML 2.5 787621 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=1
HU14A 0.58 225.6 Pg 16:01:27.009 -0.2 T__ 379.6 ___ ML 2.4 787634 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU14A 0.58 225.6 Lg 16:01:37.070 1.1 T__ ___ 787622 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=1
HU21A 0.84 231.8 Pg 16:01:31.439 -0.5 T__ 284.1 ___ ML 2.4 787635 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=1
HU04B 0.85 267.6 Lg 16:01:44.365 -1.0 T__ ___ 787623 FDSN Z6 00 BUD iLoc HHN ??? _
HU22A 1.19 244.3 Sn 16:01:54.809 0.2 T__ ___ 787626 FDSN Z6 00 BUD iLoc HHN ??? _
HU07A 1.40 36.2 Pg 16:01:42.539 -0.4 T__ 159.1 ___ ML 2.5 787627 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=0
A267A 1.51 274.2 Lg 16:02:05.920 -0.6 T__ ___ 787624 FDSN Z6 00 BUD iLoc HHN ??? _
KOLS 2.34 26.7 Lg 16:02:32.537 1.3 T__ ___ 787625 FDSN SK -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/19 16:03:57.73 0.73 0.56 46.8710 20.6595 4.4 4.1 133 14.8 7.6 18 13 68 0.17 1.93 ke BUD 19004282 BUD 126

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Magnitude Err Nsta Author OrigID
ML 2.1 0.2 10 BUD 19004282

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU06A 0.17 201.7 Pg 16:04:01.920 -0.5 T__ 877.3 ___ ML 1.7 787851 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.17 201.7 Lg 16:04:06.098 0.3 T__ ___ 787836 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=0
HU12A 0.33 20.1 Pg 16:04:04.964 -0.3 T__ 367.4 ___ ML 1.8 787842 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU12A 0.33 20.1 Lg 16:04:11.603 0.9 T__ ___ 787838 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=0
HU24A 0.34 83.4 Pg 16:04:05.081 -0.4 T__ 548.7 ___ ML 2.0 787834 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU24A 0.34 83.4 Lg 16:04:11.616 0.7 T__ ___ 787837 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
HU13A 0.44 285.5 Lg 16:04:14.487 0.2 T__ ___ 787839 FDSN Z6 00 BUD iLoc HHN ??? _
HU14A 0.58 223.6 Lg 16:04:19.734 1.1 T__ ___ 787840 FDSN Z6 00 BUD iLoc HHN ??? _
HU05A 0.75 25.4 Pg 16:04:13.554 0.2 T__ 224.8 ___ ML 2.3 787843 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.3 magdef=1

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(Station ML: 2.3 magdef=1																						
HU23A	0.82	340.2	Pg	16:04:14.579	-0.3	T__		235.1	---	ML	2.3	787844	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_		
(Reading ML: 2.3 magdef=1																						
(Station ML: 2.3 magdef=0																						
HU04B	0.84	266.5	Pg	16:04:14.470	-0.4	T__		163.0	---	ML	2.2	787845	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_		
(Reading ML: 2.2 magdef=1																						
(Station ML: 2.2 magdef=1																						
HU01A	0.85	304.1	Pn	16:04:15.384	0.2	T__		153.2	---	ML	2.2	787846	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_		
HU01A	0.85	304.1	Lg	16:04:27.863	0.0	T__			---			787847	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
HU01A	0.85	304.1	Lg	16:04:27.863	0.0	T__			---			787841	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 2.2 magdef=1																						
(Station ML: 2.2 magdef=1																						
PSZ	1.17	333.9	Pn	16:04:19.110	-0.6	T__		59.1	---	ML	1.9	787849	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_		
(Reading ML: 1.9 magdef=1																						
(Station ML: 1.9 magdef=1																						
HU22A	1.19	243.3	Pn	16:04:20.283	0.5	T__		172.4	---	ML	2.4	787848	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_		
(Reading ML: 2.4 magdef=1																						
(Station ML: 2.4 magdef=0																						
BZS	1.42	151.8	Pn	16:04:22.588	-0.4	T__		34.2	---	ML	1.8	787850	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_		
(Reading ML: 1.8 magdef=1																						
(Station ML: 1.8 magdef=1																						
KOVH	1.93	247.1	Lg	16:05:01.969	0.3	T__			---			787835	FDSN	HU	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/19	16:05:23.90	0.84	0.83	46.8563	20.6880	4.4	3.0	136	8.8	6.2	20	14	118	0.17	2.34	ke	BUD	19004284	BUD			134

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.0	7 BUD	19004284

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
HU06A	0.17	209.9	Pg	16:05:27.977	0.0					T__		2242.0		---	ML	2.1	788005	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU06A	0.17	209.9	Lg	16:05:30.323	-0.8					T__				---		788015	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 2.1 magdef=1																										
(Station ML: 2.1 magdef=1																										
HU24A	0.33	80.4	Pg	16:05:30.924	-0.1					T__		840.3		---	ML	2.1	788016	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU24A	0.33	80.4	Lg	16:05:37.969	1.4					T__				---		788017	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 2.1 magdef=1																										
(Station ML: 2.1 magdef=1																										
HU12A	0.34	16.2	Pg	16:05:31.071	-0.3					T__		352.3		---	ML	1.8	788018	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU12A	0.34	16.2	Lg	16:05:37.727	0.7					T__				---		788019	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 1.8 magdef=1																										
(Station ML: 1.8 magdef=0																										
BSZH	0.53	327.2	Pg	16:05:36.303	1.0					T__		507.3		---	ML	2.5	788020	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 2.5 magdef=1																										
(Station ML: 2.5 magdef=0																										
HU14A	0.59	226.0	Pg	16:05:35.874	-0.1					T__		442.1		---	ML	2.5	788021	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU14A	0.59	226.0	Lg	16:05:45.899	1.0					T__				---		788022	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 2.5 magdef=1																										
(Station ML: 2.5 magdef=1																										
HU05A	0.76	23.6	Lg	16:05:51.383	1.0					T__				---		788006	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
HU21A	0.84	232.0	Lg	16:05:53.444	0.2					T__				---		788007	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
HU04B	0.86	267.6	Lg	16:05:53.673	-0.2					T__				---		788014	FDSN	Z6	00	BUD	iLoc	HHN	???	_		

HU01A	0.88	304.2	Lg	16:05:53.973	-0.5	T__									788008	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	1.19	333.4	Pn	16:05:46.229	-0.6	T__	87.3								2.1	788024	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.19	333.4	Sn	16:06:02.854	-0.4	T__									788010	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																								
(Station ML: 2.1 magdef=1)																								
HU22A	1.20	244.4	Pn	16:05:46.369	-0.5	T__	166.2								2.4	788023	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU22A	1.20	244.4	Sn	16:06:04.176	1.0	T__									788009	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.4 magdef=1)																								
(Station ML: 2.4 magdef=1)																								
A271A	1.30	283.9	Lg	16:06:08.340	-0.3	T__									788013	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
DRGR	1.39	91.9	Sn	16:06:07.665	-0.5	T__									788011	FDSN	RO	--	BUD	iLoc	HHN	???	_	
KOLS	2.34	26.6	Lg	16:06:41.471	1.5	T__									788012	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/19	16:07:15.89	0.82	0.79	46.8578	20.6832	5.5	4.4	130	7.3	11.4	15	11	127	0.17	2.34	ke	BUD	19004286	BUD			182

Magnitude	Err	Nsta	Author	OrigID
ML	2.2	0.2	8 BUD	19004286

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU06A	0.17	208.7	Pg	16:07:20.006	0.2					T__		2595.0			ML	2.2	788196	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.17	208.7	Lg	16:07:22.275	-0.6					T__						788192	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
HU24A	0.33	80.8	Pg	16:07:23.187	0.1					T__	509.4				ML	1.9	788197	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU24A	0.33	80.8	Lg	16:07:27.414	-1.2					T__						788198	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
HU12A	0.34	16.8	Pg	16:07:23.295	-0.0					T__	261.4				ML	1.7	788199	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU12A	0.34	16.8	Lg	16:07:29.976	1.0					T__						788200	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=0)																									
HU13A	0.46	286.5	Lg	16:07:32.602	-0.4					T__						788201	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU14A	0.58	225.6	Pg	16:07:28.005	0.1					T__	351.0				ML	2.4	788202	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU14A	0.58	225.6	Lg	16:07:37.954	1.0					T__						788203	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=0)																									
HU05A	0.76	23.9	Pg	16:07:31.655	0.1					T__	248.7				ML	2.3	788193	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=1)																									
HU21A	0.84	231.8	Pg	16:07:32.523	-0.3					T__	234.8				ML	2.3	788194	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=1)																									
HU04B	0.86	267.5	Pg	16:07:32.842	-0.6					T__	193.7				ML	2.3	788195	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=1)																									
A271A	1.30	283.9	Lg	16:08:00.779	0.1					T__						788190	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MORH	1.55	246.2	Pn	16:07:43.798	-0.0					T__	26.0				ML	1.8	788204	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
KOLS	2.34	26.7	Lg	16:08:33.660	1.5					T__						788191	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp			
2023/08/19	16:12:13.95	0.69	0.56	46.8674	20.6491	4.5	3.3	139	15.0	6.1	25	21	49	0.17	2.15	ke	BUD	19004288	BUD			71			
Magnitude	Err	Nsta	Author	OrigID																					
ML	2.6	0.2	18	BUD	19004288																				
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU06A	0.17	199.9	Pg	16:12:18.108	-0.4					T__		8225.0		___	ML	2.7	788625	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.17	199.9	Lg	16:12:22.330	0.5					T__				---		788626	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.7 magdef=1																					
				(Station ML: 2.7 magdef=1																					
HU12A	0.34	21.0	Pg	16:12:21.351	-0.3					T__		921.1		___	ML	2.2	788629	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU12A	0.34	21.0	Lg	16:12:28.036	1.0					T__				---		788630	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.2 magdef=1																					
				(Station ML: 2.2 magdef=0																					
HU24A	0.35	82.9	Pg	16:12:21.221	-0.6					T__		1793.4		___	ML	2.5	788627	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU24A	0.35	82.9	Lg	16:12:27.859	0.5					T__				---		788628	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.5 magdef=1																					
				(Station ML: 2.5 magdef=1																					
BSZH	0.51	329.0	Pn	16:12:26.818	0.2					T__		1491.7		___	ML	2.9	788631	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.9 magdef=1																					
				(Station ML: 2.9 magdef=1																					
HU14A	0.58	223.3	Pg	16:12:26.237	0.4					T__		1311.1		___	ML	2.9	788613	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU14A	0.58	223.3	Sn	16:12:36.397	-0.3					T__				---		788632	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.9 magdef=1																					
				(Station ML: 2.9 magdef=0																					
HU05A	0.76	25.7	Pg	16:12:29.462	-0.2					T__		412.1		___	ML	2.5	788614	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.5 magdef=1																					
				(Station ML: 2.5 magdef=1																					
HU23A	0.82	340.7	Pg	16:12:31.026	-0.1					T__		369.9		___	ML	2.5	788619	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.5 magdef=1																					
				(Station ML: 2.5 magdef=1																					
HU21A	0.83	230.2	Pg	16:12:30.698	0.1					T__		756.5		___	ML	2.8	788620	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.8 magdef=1																					
				(Station ML: 2.8 magdef=1																					
HU04B	0.83	266.7	Pg	16:12:30.447	-0.5					T__		671.6		___	ML	2.8	788615	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.8 magdef=1																					
				(Station ML: 2.8 magdef=1																					
LTVH	1.00	58.3	Pn	16:12:33.639	0.2					T__		331.9		___	ML	2.6	788616	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.6 magdef=1																					
				(Station ML: 2.6 magdef=1																					
PSZ	1.17	334.3	Pn	16:12:35.146	-0.7					T__		191.0		___	ML	2.4	788612	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.4 magdef=1																					
				(Station ML: 2.4 magdef=1																					
HU22A	1.18	243.3	Pn	16:12:36.396	0.5					T__		533.0		___	ML	2.9	788617	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.9 magdef=1																					
				(Station ML: 2.9 magdef=0																					
CP17A	1.36	356.1	Pn	16:12:38.122	-0.2					T__		157.1		___	ML	2.4	788618	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.4 magdef=1																					
				(Station ML: 2.4 magdef=1																					
HU07A	1.41	37.2	Pn	16:12:39.417	0.4					T__		232.1		___	ML	2.6	788634	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.6 magdef=1																					

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(Station ML: 2.6 magdef=1
DRGR 1.42 92.3 Sn 16:12:58.269 0.6 T__
BZS 1.42 151.4 Pn 16:12:38.974 -0.2 T__ 58.2 --- ML 2.1 788633 FDSN RO -- BUD iLoc BHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=0
MORH 1.53 245.5 Pn 16:12:39.573 -1.1 T__ 105.5 --- ML 2.4 788635 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=1
A266A 1.68 259.1 Pg 16:12:46.645 -0.2 T__ 292.9 --- ML 2.9 788623 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.9 magdef=1
(Station ML: 2.9 magdef=0
A265A 2.02 258.3 Lg 16:13:21.489 1.0 T__
GZR 2.09 134.1 Pn 16:12:48.518 0.0 T__ 38.1 --- ML 2.2 788636 FDSN RO -- BUD iLoc BHZ BHZ _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=0
MPLH 2.15 279.2 Lg 16:13:25.349 -0.4 T__ --- 788621 FDSN HU -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/19 16:14:04.03 0.79 0.69 46.8674 20.6602 6.4 3.3 139 11.0 10.2 12 6 119 0.17 1.17 ke BUD 19004290 BUD 182

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Magnitude Err Nsta Author OrigID
ML 1.6 0.2 6 BUD 19004290

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
HU06A 0.17 202.4 Pg 16:14:07.930 -0.3 T__ 599.9 --- ML 1.5 788761 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.17 202.4 Lg 16:14:11.962 0.5 T__ --- 788765 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
HU12A 0.34 19.8 Pg 16:14:11.299 -0.2 T__ 155.4 --- ML 1.4 788768 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU12A 0.34 19.8 Lg 16:14:17.787 0.9 T__ --- 788769 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
HU24A 0.34 82.7 Pg 16:14:11.079 -0.5 T__ 137.0 --- ML 1.4 788766 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU24A 0.34 82.7 Lg 16:14:17.648 0.6 T__ --- 788767 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=0
HU14A 0.58 223.8 Pg 16:14:15.770 -0.2 T__ 204.2 --- ML 2.1 788763 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU14A 0.58 223.8 Lg 16:14:25.961 1.2 T__ --- 788762 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=0
HU04B 0.84 266.8 Pg 16:14:20.702 -0.5 T__ 128.4 --- ML 2.1 788770 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU04B 0.84 266.8 Lg 16:14:33.417 -0.4 T__ --- 788771 FDSN Z6 00 BUD iLoc HHE ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
PSZ 1.17 334.0 Pn 16:14:26.232 -0.2 T__ 35.3 --- ML 1.7 788772 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 1.17 334.0 Sn 16:14:42.821 0.3 T__ --- 788764 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp

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2023/08/19 16:20:03.33 0.69 0.86 46.8329 20.6547 4.5 3.2 145 15.8 6.0 80 59 48 0.13 3.74 ke BUD 19004292 BUD 66

Magnitude Err Nsta Author OrigID  
ML 3.8 0.1 50 BUD 19004292

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
HU06A	0.13	206.5	Pg	16:20:07.698	0.2					T__		132414.2		___	ML	3.8 790040	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.13	206.5	Lg	16:20:12.658	2.0					T__				---		790041	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 3.8 magdef=1 Station ML: 3.8 magdef=1)																								
HU24A	0.35	77.3	Pg	16:20:10.921	-0.4					T__		31680.4		_d	ML	3.8 790028	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU24A	0.35	77.3	Lg	16:20:17.567	0.7					T__				---		790023	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 3.8 magdef=1 Station ML: 3.8 magdef=1)																								
HU12A	0.37	18.5	Pg	16:20:11.031	-0.6					T__		14151.8		_d	ML	3.5 790029	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU12A	0.37	18.5	Lg	16:20:17.703	0.2					T__				---		790022	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 3.5 magdef=1 Station ML: 3.5 magdef=0)																								
HU13A	0.45	290.2	Pg	16:20:13.190	-0.2					T__		9348.3		___	ML	3.5 790042	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU13A	0.45	290.2	Lg	16:20:20.643	0.4					T__				---		790043	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 3.5 magdef=1 Station ML: 3.5 magdef=0)																								
BSZH	0.54	330.6	Pg	16:20:15.117	0.1					T__		21394.9		___	ML	4.1 790044	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.1 magdef=1 Station ML: 4.1 magdef=0)																								
HU14A	0.55	226.0	Pn	16:20:15.887	-0.7					T__		22612.2		___	ML	4.2 790045	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.2 magdef=1 Station ML: 4.2 magdef=0)																								
HU05A	0.79	24.4	Pg	16:20:18.917	-0.7					T__		5748.5		___	ML	3.7 790046	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.7 magdef=1 Station ML: 3.7 magdef=1)																								
HU21A	0.81	232.3	Pg	16:20:19.852	0.3					T__		13839.5		___	ML	4.1 790047	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.1 magdef=1 Station ML: 4.1 magdef=0)																								
HU04B	0.84	269.1	Pg	16:20:20.001	-0.4					T__		10827.4		___	ML	4.0 790048	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.0 magdef=1 Station ML: 4.0 magdef=1)																								
HU23A	0.85	341.3	Pn	16:20:20.398	-0.3					T__		5540.7		___	ML	3.7 790049	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.7 magdef=1 Station ML: 3.7 magdef=1)																								
HU01A	0.87	306.3	Pn	16:20:20.600	-0.4					T__		9629.9		___	ML	4.0 790050	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU01A	0.87	306.3	Sn	16:20:33.441	0.1					T__				---		790030	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 4.0 magdef=1 Station ML: 4.0 magdef=1)																								
LTVH	1.01	56.6	Pn	16:20:22.274	-0.6					T__		5650.2		___	ML	3.8 790007	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.8 magdef=1 Station ML: 3.8 magdef=1)																								
HU11A	1.15	17.5	Pn	16:20:24.125	-0.6					T__		3659.2		___	ML	3.7 790031	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.7 magdef=1 Station ML: 3.7 magdef=1)																								
A272A	1.16	266.3	Pn	16:20:24.969	0.0					T__		6028.9		___	ML	3.9 790052	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.9 magdef=1 Station ML: 3.9 magdef=1)																								

HU22A	1.17	244.9	Pn	16:20:24.668	-0.3	T__	7551.9	___ ML	4.0	790051	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 4.0 magdef=1)																			
(Station ML: 4.0 magdef=1)																			
PSZ	1.20	334.8	Pn	16:20:24.748	-0.9	T__	2914.4	___ ML	3.6	790053	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_	
PSZ	1.20	334.8	Sn	16:20:42.862	1.2	T__		___		790013	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 3.6 magdef=1)																			
(Station ML: 3.6 magdef=1)																			
A271A	1.29	285.1	Pn	16:20:27.306	0.6	T__	4100.0	___ ML	3.8	790057	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
A271A	1.29	285.1	Lg	16:20:47.578	-0.4	T__		___		790025	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 3.8 magdef=1)																			
(Station ML: 3.8 magdef=1)																			
HU03A	1.29	326.6	Pn	16:20:26.364	-0.3	T__	3462.1	___ ML	3.8	790054	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 3.8 magdef=1)																			
(Station ML: 3.8 magdef=1)																			
BUD	1.29	300.9	Pn	16:20:25.992	-0.7	T__	2565.4	___ ML	3.6	790055	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
BUD	1.29	300.9	Sn	16:20:45.503	1.9	T__		___		790024	FDSN	HU	--	BUD	iLoc	HHN	???	_	
BUD	1.29	300.9	Lg	16:20:46.076	-2.2	T__		___		790056	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 3.6 magdef=1)																			
(Station ML: 3.6 magdef=1)																			
HU02A	1.29	356.1	Pn	16:20:25.890	-0.9	T__	1346.3	___ ML	3.3	790058	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU02A	1.29	356.1	Lg	16:20:45.887	-1.3	T__		___		790026	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 3.3 magdef=1)																			
(Station ML: 3.3 magdef=0)																			
BZS	1.39	150.9	Pn	16:20:28.122	0.1	T__	4428.9	___ ML	3.9	790060	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
(Reading ML: 3.9 magdef=1)																			
(Station ML: 3.9 magdef=1)																			
CP17A	1.39	356.0	Pn	16:20:27.681	-0.4	T__	2654.5	___ ML	3.7	790059	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 3.7 magdef=1)																			
(Station ML: 3.7 magdef=1)																			
DRGR	1.41	90.9	Pn	16:20:28.268	-0.2	T__	1511.4	___ ML	3.5	790061	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
(Reading ML: 3.5 magdef=1)																			
(Station ML: 3.5 magdef=0)																			
HU07A	1.43	36.2	Lg	16:20:51.187	0.2	T__		___		790027	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A267A	1.49	275.1	Pn	16:20:29.754	0.3	T__	3150.3	___ ML	3.8	790063	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 3.8 magdef=1)																			
(Station ML: 3.8 magdef=1)																			
CP16A	1.51	357.1	Pn	16:20:29.537	-0.2	T__	1712.3	___ ML	3.6	790062	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 3.6 magdef=1)																			
(Station ML: 3.6 magdef=1)																			
ABAH	1.52	14.9	Pn	16:20:28.795	-1.0	T__	1325.6	___ ML	3.5	790064	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 3.5 magdef=1)																			
(Station ML: 3.5 magdef=0)																			
MORH	1.52	246.7	Pn	16:20:29.122	-0.7	T__	1579.5	___ ML	3.5	790008	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
MORH	1.52	246.7	Pg	16:20:31.969	-1.1	T__		___		790014	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
MORH	1.52	246.7	Lg	16:20:53.816	-0.7	T__		___		790065	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 3.5 magdef=1)																			
(Station ML: 3.5 magdef=1)																			
KECS	1.66	356.1	Pn	16:20:31.964	0.2	T__	1860.5	___ ML	3.7	790067	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_	
(Reading ML: 3.7 magdef=1)																			
(Station ML: 3.7 magdef=1)																			
A266A	1.67	260.3	Pn	16:20:31.598	-0.4	T__	4994.2	___ ML	4.1	790066	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 4.1 magdef=1)																			
(Station ML: 4.1 magdef=0)																			

CSKK	1.72	288.8	Lg	16:21:00.047	-2.4	T__			790068	FDSN	HU	--	BUD	iLoc	HHN	???	_		
HU09A	1.75	298.3	Pn	16:20:33.336	0.4	T__	2259.8	---	ML	3.8	790069	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.8 magdef=1)																		
	(Station ML: 3.8 magdef=1)																		
FRGS	1.78	199.7	Lg	16:21:02.071	-2.4	T__			790032	FDSN	SJ	--	BUD	iLoc	BHN	???	_		
TRPA	1.82	43.9	Pn	16:20:32.598	-1.4	T__	870.1	---	ML	3.5	790009	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.5 magdef=1)																		
	(Station ML: 3.5 magdef=0)																		
SR0	1.87	302.5	Pn	16:20:35.542	0.9	T__	6515.5	---	ML	4.4	790070	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
	(Reading ML: 4.4 magdef=1)																		
	(Station ML: 4.4 magdef=0)																		
KOVH	1.92	248.1	Pn	16:20:34.667	-0.7	T__	1373.5	---	ML	3.7	790071	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	1.92	248.1	Pg	16:20:39.345	-1.2	T__				790033	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
KOVH	1.92	248.1	Lg	16:21:06.833	0.1	T__				790072	FDSN	HU	--	BUD	iLoc	HHN	???	_	
	(Reading ML: 3.7 magdef=1)																		
	(Station ML: 3.7 magdef=1)																		
HU08A	1.96	288.8	Pn	16:20:36.466	0.6	T__	1143.8	---	ML	3.6	790017	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.6 magdef=1)																		
	(Station ML: 3.6 magdef=1)																		
A265A	2.01	259.3	Pg	16:20:42.393	-0.1	T__	3048.8	---	ML	4.1	790018	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A265A	2.01	259.3	Lg	16:21:11.333	1.6	T__				790034	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
	(Reading ML: 4.1 magdef=1)																		
	(Station ML: 4.1 magdef=0)																		
GZR	2.06	133.5	Pn	16:20:38.108	0.7	T__	33047.1	---	ML	5.2	790073	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
	(Reading ML: 5.2 magdef=1)																		
	(Station ML: 5.2 magdef=0)																		
BMR	2.11	65.5	Pg	16:20:43.123	-1.1	T__	1828.9	---	ML	3.9	790019	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
	(Reading ML: 3.9 magdef=1)																		
	(Station ML: 3.9 magdef=1)																		
A273A	2.17	246.0	Pn	16:20:38.634	-0.1	T__	1489.8	---	ML	3.9	790074	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A273A	2.17	246.0	Pg	16:20:44.785	-0.4	T__				790035	FDSN	Z6	00	BUD	iLoc	HHZ	???	_	
	(Reading ML: 3.9 magdef=1)																		
	(Station ML: 3.9 magdef=1)																		
A263A	2.30	266.4	Pg	16:20:47.755	-0.3	T__	1903.5	---	ML	4.1	790036	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A263A	2.30	266.4	Lg	16:21:19.965	0.9	T__				790037	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
	(Reading ML: 4.1 magdef=1)																		
	(Station ML: 4.1 magdef=0)																		
KOLS	2.37	26.8	Lg	16:21:21.401	1.1	T__				790075	FDSN	SK	--	BUD	iLoc	HHN	???	_	
A264A	2.42	255.1	Pn	16:20:42.056	-0.2	T__	1567.3	---	ML	4.0	790076	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A264A	2.42	255.1	Pg	16:20:49.807	-0.2	T__				790038	FDSN	Z6	00	BUD	iLoc	HHZ	???	_	
A264A	2.42	255.1	Lg	16:21:23.457	1.4	T__				790039	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
	(Reading ML: 4.0 magdef=1)																		
	(Station ML: 4.0 magdef=0)																		
MEZ	2.56	47.9	Pn	16:20:43.919	-0.3	T__				790077	FDSN	UA	--	BUD	iLoc	BHZ	???	_	
LOT	2.57	121.5	Pn	16:20:44.911	0.5	T__	3269.7	---	ML	4.4	790078	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
	(Reading ML: 4.4 magdef=1)																		
	(Station ML: 4.4 magdef=0)																		
A260A	2.74	280.9	Pn	16:20:47.312	0.7	T__	648.0	---	ML	3.8	790020	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.8 magdef=1)																		
	(Station ML: 3.8 magdef=1)																		
MODS	2.76	305.2	Pn	16:20:47.084	0.2	T__				790079	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
ZST	2.77	300.8	Pn	16:20:47.348	0.3	T__				790080	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
JAVC	2.85	316.3	Pn	16:20:48.906	0.6	T__	237.7	---	ML	3.5	790081	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_

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(Reading ML: 3.5 magdef=1
(Station ML: 3.5 magdef=0
SOP 2.92 288.5 Pn 16:20:49.558 0.5 T__ 435.8 ___ ML 3.8 790010 FDSN HU -- BUD iLoc HHZ HHZ _
SOP 2.92 288.5 Sn 16:21:24.034 0.3 T__ ___ 790015 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 3.8 magdef=1
(Station ML: 3.8 magdef=1
RONA 3.09 287.9 Pn 16:20:51.790 0.3 T__ ___ 790082 FDSN OE -- BUD iLoc HHZ ??? _
PTJ 3.37 255.8 Pg 16:21:07.757 0.5 T__ 382.3 ___ ML 4.0 790016 FDSN CR -- BUD iLoc BHZ BHZ _
(Reading ML: 4.0 magdef=1
(Station ML: 4.0 magdef=1
CONA 3.44 290.3 Pn 16:20:56.512 0.2 T__ 157.0 ___ ML 3.6 790083 FDSN OE -- BUD iLoc HHZ HHZ _
(Reading ML: 3.6 magdef=1
(Station ML: 3.6 magdef=1
ARSA 3.53 278.7 Pn 16:20:58.053 0.5 T__ 196.8 ___ ML 3.8 790011 FDSN OE -- BUD iLoc HHZ HHZ _
(Reading ML: 3.8 magdef=1
(Station ML: 3.8 magdef=1
MORC 3.60 326.0 Pn 16:20:58.936 0.4 T__ 72.4 ___ ML 3.4 790084 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 3.4 magdef=1
(Station ML: 3.4 magdef=0
KRUC 3.63 309.5 Pn 16:20:58.636 -0.2 T__ 78.7 ___ ML 3.4 790085 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 3.4 magdef=1
(Station ML: 3.4 magdef=0
VRAC 3.68 313.8 Pn 16:20:59.728 0.1 T__ 90.1 ___ ML 3.5 790086 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 3.5 magdef=1
(Station ML: 3.5 magdef=0
CRES 3.74 256.3 Pn 16:20:59.646 -0.7 T__ ___ 790012 FDSN SL -- BUD iLoc BHZ ??? _
CRES 3.74 256.3 Pg 16:21:14.704 1.4 T__ ___ 790021 FDSN SL -- BUD iLoc BHZ ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/19 16:30:11.51 0.79 0.83 46.8667 20.6605 5.0 3.7 135 7.8 7.9 20 15 119 0.17 2.34 ke BUD 19004296 BUD 165

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Magnitude Err Nsta Author OrigID
ML 2.2 0.1 8 BUD 19004296

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU06A 0.17 202.5 Pg 16:30:15.465 -0.1 T__ 1539.6 ___ ML 2.0 790331 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.17 202.5 Lg 16:30:17.793 -0.8 T__ ___ 790330 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
HU12A 0.34 19.7 Lg 16:30:25.249 0.8 T__ ___ 790334 FDSN Z6 00 BUD iLoc HHN ??? _
HU24A 0.34 82.6 Pg 16:30:18.506 -0.5 T__ 409.5 ___ ML 1.9 790332 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU24A 0.34 82.6 Lg 16:30:25.473 0.8 T__ ___ 790333 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=0
HU13A 0.45 286.0 Pg 16:30:21.127 -0.0 T__ 605.3 ___ ML 2.3 790335 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=1
HU14A 0.58 223.9 Pg 16:30:23.388 -0.1 T__ 385.5 ___ ML 2.4 790337 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU14A 0.58 223.9 Lg 16:30:33.372 1.0 T__ ___ 790336 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=0
HU23A 0.82 340.2 Pg 16:30:28.333 -0.4 T__ 163.0 ___ ML 2.2 790338 FDSN Z6 00 BUD iLoc HHZ HHZ _

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(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
HU21A 0.84 230.6 Pg 16:30:27.797 -0.5 T__ 148.7 --- ML 2.1 790321 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU21A 0.84 230.6 Lg 16:30:40.881 0.2 T__ --- 790320 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
HU04B 0.84 266.8 Lg 16:30:41.092 0.1 T__ --- 790322 FDSN Z6 00 BUD iLoc HHN ??? _
HU01A 0.86 304.3 Lg 16:30:41.541 0.1 T__ --- 790323 FDSN Z6 00 BUD iLoc HHN ??? _
PSZ 1.17 334.0 Pn 16:30:33.692 -0.7 T__ 54.1 --- ML 1.9 790327 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 1.17 334.0 Sn 16:30:50.330 -0.3 T__ --- 790324 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
HU22A 1.18 243.5 Pn 16:30:33.809 -0.6 T__ 105.9 --- ML 2.2 790339 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
HU07A 1.40 36.9 Lg 16:30:58.832 0.5 T__ --- 790328 FDSN Z6 00 BUD iLoc HHN ??? _
ABAH 1.48 15.1 Sn 16:30:59.700 1.6 T__ --- 790329 FDSN HU -- BUD iLoc HHN ??? _
MORH 1.54 245.6 Sn 16:31:00.585 1.2 T__ --- 790325 FDSN HU -- BUD iLoc HHN ??? _
KOLS 2.34 27.1 Lg 16:31:29.211 1.5 T__ --- 790326 FDSN SK -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/19 17:05:29.94 1.65 0.49 46.8780 20.6528 5.5 3.1 123 0.2 2.8 13 10 106 0.18 1.54 ke BUD 19004298 BUD 130

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Magnitude Err Nsta Author OrigID
ML 1.7 0.2 3 BUD 19004298

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
HU06A 0.18 199.5 Pg 17:05:34.268 -0.0 T__ 848.4 --- ML 1.7 790447 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.18 199.5 Lg 17:05:37.972 0.1 T__ --- 790452 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
HU12A 0.33 21.3 Pg 17:05:37.284 -0.2 T__ 222.3 --- ML 1.6 790450 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU12A 0.33 21.3 Lg 17:05:43.777 0.4 T__ --- 790449 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
HU24A 0.35 84.6 Lg 17:05:43.874 -0.1 T__ --- 790448 FDSN Z6 00 BUD iLoc HHN ??? _
HU13A 0.44 284.8 Lg 17:05:46.888 -0.0 T__ --- 790444 FDSN Z6 00 BUD iLoc HHN ??? _
HU14A 0.58 222.8 Pg 17:05:42.014 -0.2 T__ 573.5 --- ML 2.6 790451 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU14A 0.58 222.8 Lg 17:05:51.986 0.4 T__ --- 790440 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.6 magdef=1
(Station ML: 2.6 magdef=1
HU05A 0.75 25.9 Lg 17:05:58.091 0.3 T__ --- 790445 FDSN Z6 00 BUD iLoc HHN ??? _
HU04B 0.84 266.0 Lg 17:05:59.810 -0.7 T__ --- 790441 FDSN Z6 00 BUD iLoc HHN ??? _
DRGR 1.42 92.7 Sn 17:06:15.711 -0.7 T__ --- 790446 FDSN RO -- BUD iLoc HHN ??? _
ABAH 1.47 15.4 Sn 17:06:18.484 0.8 T__ --- 790442 FDSN HU -- BUD iLoc HHN ??? _
MORH 1.54 245.2 Sn 17:06:19.621 0.4 T__ --- 790443 FDSN HU -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/19 17:11:35.74 0.95 0.56 46.8506 20.6700 12.1 4.1 147 11.7 13.9 7 5 127 0.16 1.19 ke BUD 19004300 BUD 189

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Magnitude Err Nsta Author OrigID  
ML 1.4 0.2 3 BUD 19004300

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
HU06A	0.16	207.0	Pg	17:11:39.741	-0.1					T__		355.4		___	ML	1.3 790531	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.3 magdef=1 Station ML: 1.3 magdef=1)																								
HU24A	0.34	79.8	Pg	17:11:42.842	-0.4					T__		146.4		___	ML	1.4 790532	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU24A	0.34	79.8	Lg	17:11:49.423	0.8					T__				---		790533	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.4 magdef=1 Station ML: 1.4 magdef=1)																								
HU12A	0.35	17.8	Lg	17:11:49.290	0.2					T__				---		790528	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU21A	0.83	231.8	Pg	17:11:52.039	-0.3					T__		121.0		---	ML	2.0 790529	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU21A	0.83	231.8	Lg	17:12:05.040	-0.0					T__				---		790530	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.0 magdef=1 Station ML: 2.0 magdef=1)																								
PSZ	1.19	334.0	Sn	17:12:14.765	0.2					T__				---		790534	FDSN	GE	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/19	17:20:07.39	0.72	0.73	46.8609	20.6624	4.2	3.4	145	13.0	6.7	24	17	69	0.16	1.41	ke	BUD	19004302	BUD			126

Magnitude Err Nsta Author OrigID  
ML 2.6 0.2 15 BUD 19004302

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
HU06A	0.16	203.7	Pg	17:20:11.338	-0.4					T__		6560.0		___	ML	2.6 790792	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.16	203.7	Lg	17:20:15.620	0.7					T__				---		790793	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.6 magdef=1 Station ML: 2.6 magdef=1)																								
HU12A	0.34	19.2	Pg	17:20:14.757	-0.3					T__		734.3		___	ML	2.1 790776	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU12A	0.34	19.2	Lg	17:20:21.312	0.8					T__				---		790777	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.1 magdef=1 Station ML: 2.1 magdef=0)																								
HU24A	0.34	81.6	Pg	17:20:14.759	-0.3					T__		2226.7		___	ML	2.6 790794	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU24A	0.34	81.6	Lg	17:20:21.240	0.8					T__				---		790795	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.6 magdef=1 Station ML: 2.6 magdef=1)																								
HU13A	0.45	286.7	Pg	17:20:16.848	-0.4					T__		652.0		___	ML	2.4 790787	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU13A	0.45	286.7	Lg	17:20:24.298	0.3					T__				---		790788	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.4 magdef=1 Station ML: 2.4 magdef=0)																								
BSZH	0.52	328.5	Pg	17:20:18.869	0.3					T__		1306.4		___	ML	2.8 790796	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.8 magdef=1 Station ML: 2.8 magdef=0)																								
HU14A	0.58	224.4	Pg	17:20:19.541	0.2					T__		1189.5		___	ML	2.9 790778	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.9 magdef=1 Station ML: 2.9 magdef=0)																								
HU05A	0.76	24.9	Pg	17:20:22.634	-0.5					T__		309.6		___	ML	2.4 790779	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.4 magdef=1 Station ML: 2.4 magdef=1)																								
HU23A	0.83	340.3	Pg	17:20:24.290	-0.4					T__		387.5		___	ML	2.5 790789	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.83	340.3	Sn	17:20:37.845	1.0					T__				---		790784	FDSN	Z6	00	BUD	iLoc	HHN	???	_

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(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=1
HU21A 0.83 231.0 Pg 17:20:23.678 -0.4 T__ 645.2 ___ ML 2.8 790780 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.8 magdef=1
(Station ML: 2.8 magdef=0
HU04B 0.84 267.2 Pg 17:20:23.678 -0.9 T__ 595.3 ___ ML 2.7 790781 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.7 magdef=1
(Station ML: 2.7 magdef=1
HU01A 0.86 304.6 Pn 17:20:25.118 -0.1 T__ 530.2 ___ ML 2.7 790782 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU01A 0.86 304.6 Sn 17:20:37.752 0.1 T__ ___ 790797 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.7 magdef=1
(Station ML: 2.7 magdef=1
A272A 1.17 264.9 Lg 17:20:47.572 -0.4 T__ ___ 790785 FDSN Z6 00 BUD iLoc HHN ??? _
PSZ 1.18 334.0 Pn 17:20:28.638 -1.1 T__ 215.5 ___ ML 2.5 790798 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 1.18 334.0 Sn 17:20:46.356 0.7 T__ ___ 790786 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=1
HU22A 1.18 243.8 Pn 17:20:29.592 -0.0 T__ 395.7 ___ ML 2.8 790790 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.8 magdef=1
(Station ML: 2.8 magdef=1
BUD 1.28 299.7 Sn 17:20:49.755 1.8 T__ ___ 790791 FDSN HU -- BUD iLoc HHN ??? _
CP17A 1.36 355.7 Pn 17:20:31.385 -0.7 T__ 150.0 ___ ML 2.4 790799 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=1
BZS 1.41 151.6 Pn 17:20:32.176 -0.6 T__ 66.4 ___ ML 2.1 790783 FDSN RO -- BUD iLoc HHZ HHZ _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=0

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/19 17:51:21.87 0.96 0.99 46.8698 20.6470 7.5 4.2 122 10.0f 7 5 115 0.17 2.34 ke BUD 19004304 BUD 202

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU06A 0.17 199.2 Pg 17:51:25.638 -0.4 T__ 1365.2 ___ ML 1.9 790897 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.17 199.2 Lg 17:51:30.256 1.1 T__ ___ 790899 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
HU12A 0.34 21.4 Pg 17:51:28.810 -0.5 T__ 435.6 ___ ML 1.9 790898 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU12A 0.34 21.4 Lg 17:51:35.444 0.7 T__ ___ 790901 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
HU24A 0.35 83.3 Lg 17:51:35.667 0.5 T__ ___ 790900 FDSN Z6 00 BUD iLoc HHN ??? _
HU13A 0.44 285.9 Lg 17:51:38.312 0.3 T__ ___ 790902 FDSN Z6 00 BUD iLoc HHN ??? _
KOLS 2.34 27.3 Lg 17:52:39.116 1.3 T__ ___ 790903 FDSN SK -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/19 17:55:17.99 0.84 0.85 46.8834 20.6586 5.8 3.6 116 9.8 0.9 10 7 114 0.18 1.16 ke BUD 19004306 BUD 179

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Magnitude Err Nsta Author OrigID

ML 1.7 0.1 6 BUD 19004306

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
HU06A	0.18	200.1	Pg	17:55:21.934	-0.5					T__		809.3		___	ML	1.7 790969	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.18	200.1	Lg	17:55:26.488	0.7					T__				---		790970	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1)																								
(Station ML: 1.7 magdef=1)																								
HU12A	0.32	21.0	Pg	17:55:24.410	-0.7					T__		152.9		___	ML	1.4 790964	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU12A	0.32	21.0	Lg	17:55:31.654	1.3					T__				---		790971	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.4 magdef=1)																								
(Station ML: 1.4 magdef=0)																								
HU24A	0.34	85.4	Pg	17:55:25.113	-0.4					T__		234.7		___	ML	1.6 790965	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1)																								
(Station ML: 1.6 magdef=1)																								
HU13A	0.44	283.9	Lg	17:55:34.707	0.5					T__				---		790972	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU04B	0.84	265.7	Pg	17:55:34.580	-0.5					T__		103.6		---	ML	2.0 790966	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.0 magdef=1)																								
(Station ML: 2.0 magdef=1)																								
HU21A	0.84	229.7	Pg	17:55:34.238	-0.4					T__		162.1		___	ML	2.2 790973	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.2 magdef=1)																								
(Station ML: 2.2 magdef=0)																								
PSZ	1.16	333.7	Pn	17:55:40.197	-0.2					T__		28.3		___	ML	1.6 790967	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.16	333.7	Sn	17:55:57.038	0.7					T__				---		790968	FDSN	GE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1)																								
(Station ML: 1.6 magdef=1)																								

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/19	18:06:41.31	0.90	0.88	46.8476	20.6979	5.0	4.7	99	8.8	8.2	21	17	61	0.16	2.34	ke	BUD	19004310	BUD			121

Magnitude Err Nsta Author OrigID  
ML 2.3 0.1 11 BUD 19004310

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
HU06A	0.16	213.6	Pg	18:06:45.347	0.0					T__		3826.6		___	ML	2.3 791171	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.16	213.6	Lg	18:06:47.471	-0.9					T__				---		791167	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.3 magdef=1)																								
(Station ML: 2.3 magdef=1)																								
HU24A	0.32	78.7	Pg	18:06:48.557	0.2					T__		654.7		___	ML	2.0 791172	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.0 magdef=1)																								
(Station ML: 2.0 magdef=1)																								
HU12A	0.35	14.7	Pg	18:06:48.483	-0.4					T__		397.6		___	ML	1.9 791173	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU12A	0.35	14.7	Lg	18:06:55.148	0.5					T__				---		791174	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1)																								
(Station ML: 1.9 magdef=0)																								
BSZH	0.54	327.1	Pg	18:06:53.660	0.7					T__		514.6		___	ML	2.5 791159	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.5 magdef=1)																								
(Station ML: 2.5 magdef=0)																								
HU14A	0.58	227.0	Pg	18:06:53.290	-0.1					T__		421.5		___	ML	2.4 791160	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.4 magdef=1)																								
(Station ML: 2.4 magdef=0)																								
HU21A	0.84	232.7	Pg	18:06:57.552	-0.7					T__		202.1		___	ML	2.3 791175	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.3 magdef=1)																								

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(Station ML: 2.3 magdef=1
HU23A 0.85 339.1 Pg 18:06:58.273 -0.8 T__ 210.8 --- ML 2.3 791161 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=1
HU01A 0.89 304.4 Lg 18:07:11.577 -0.6 T__ --- 791176 FDSN Z6 00 BUD iLoc HHN ??? _
A272A 1.19 265.7 Sn 18:07:21.387 0.8 T__ --- 791162 FDSN Z6 00 BUD iLoc HHN ??? _
HU22A 1.20 244.9 Pn 18:07:03.746 -0.5 T__ 159.3 --- ML 2.4 791168 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU22A 1.20 244.9 Sn 18:07:21.501 0.8 T__ --- 791169 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=1
PSZ 1.20 333.3 Pn 18:07:03.732 -0.7 T__ 68.4 --- ML 2.0 791177 FDSN GE -- BUD iLoc HHZ HHZ _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
DRGR 1.38 91.6 Sn 18:07:25.458 0.1 T__ --- 791163 FDSN RO -- BUD iLoc HHN ??? _
BZS 1.39 152.3 Pn 18:07:06.268 -0.6 T__ 24.0 --- ML 1.7 791178 FDSN RO -- BUD iLoc HHZ HHZ _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=0
HU07A 1.40 35.6 Lg 18:07:29.000 1.0 T__ --- 791164 FDSN Z6 00 BUD iLoc HHN ??? _
ABAH 1.50 14.0 Sn 18:07:29.593 1.6 T__ --- 791170 FDSN HU -- BUD iLoc HHN ??? _
MORH 1.55 246.7 Pn 18:07:09.134 0.0 T__ 37.5 --- ML 1.9 791179 FDSN HU -- BUD iLoc HHZ HHZ _
MORH 1.55 246.7 Sn 18:07:30.533 1.1 T__ --- 791165 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
KOLS 2.34 26.3 Lg 18:07:59.105 1.6 T__ --- 791166 FDSN SK -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/19 18:32:24.17 1.01 1.37 46.7920 20.7125 11.8 6.6 157 18.1 5.7 6 5 162 0.13 1.26 ke BUD 19004312 BUD 257

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU06A 0.13 231.4 Pg 18:32:28.051 -0.5 T__ 511.9 --- ML 1.4 791253 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.13 231.4 Lg 18:32:32.457 0.7 T__ --- 791254 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
HU24A 0.33 68.8 Lg 18:32:38.042 0.9 T__ --- 791251 FDSN Z6 00 BUD iLoc HHN ??? _
HU13A 0.50 293.1 Lg 18:32:43.758 0.9 T__ --- 791255 FDSN Z6 00 BUD iLoc HHN ??? _
HU21A 0.82 236.3 Sn 18:32:53.379 0.9 T__ --- 791252 FDSN Z6 00 BUD iLoc HHN ??? _
PSZ 1.26 334.0 Pn 18:32:46.297 -0.6 T__ 26.9 --- ML 1.6 791256 FDSN GE -- BUD iLoc HHZ HHZ _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1

```

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/19 18:41:54.43 0.75 0.62 46.8485 20.6782 4.4 4.1 98 9.9 0.8 18 14 75 0.16 2.06 ke BUD 19004314 BUD 129

```

Magnitude Err Nsta Author OrigID  
ML 2.2 0.1 14 BUD 19004314

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU06A 0.16 209.2 Pg 18:41:58.504 0.1 T__ 2996.1 --- ML 2.2 791453 FDSN Z6 00 BUD iLoc HHZ HHZ _

```

HU06A	0.16	209.2	Lg	18:42:00.974	-0.4	T__									791454	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.2 magdef=1)																							
(Station ML: 2.2 magdef=1)																							
HU24A	0.34	79.3	Pg	18:42:01.863	0.1	T__	999.9			ML	2.2	791445	FDSN	Z6				00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.2 magdef=1)																							
(Station ML: 2.2 magdef=1)																							
HU12A	0.35	16.9	Pg	18:42:02.095	-0.0	T__	339.7			ML	1.8	791455	FDSN	Z6				00	BUD	iLoc	HHZ	HHZ	_
HU12A	0.35	16.9	Lg	18:42:08.577	0.9	T__						791446	FDSN	Z6				00	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1)																							
(Station ML: 1.8 magdef=0)																							
HU13A	0.46	287.7	Pg	18:42:04.216	-0.3	T__	171.5			ML	1.8	791449	FDSN	Z6				00	BUD	iLoc	HHZ	HHZ	_
HU13A	0.46	287.7	Lg	18:42:11.735	0.3	T__						791456	FDSN	Z6				00	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1)																							
(Station ML: 1.8 magdef=1)																							
BSZH	0.53	328.2	Pg	18:42:07.001	1.1	T__	654.4			ML	2.6	791457	FDSN	HU				--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.6 magdef=1)																							
(Station ML: 2.6 magdef=0)																							
HU14A	0.58	226.0	Pg	18:42:06.779	0.5	T__	358.7			ML	2.4	791447	FDSN	Z6				00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.4 magdef=1)																							
(Station ML: 2.4 magdef=0)																							
HU21A	0.83	232.1	Pg	18:42:11.310	0.4	T__	235.6			ML	2.3	791458	FDSN	Z6				00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.3 magdef=1)																							
(Station ML: 2.3 magdef=1)																							
HU23A	0.84	339.9	Pg	18:42:11.588	-0.4	T__	180.0			ML	2.2	791459	FDSN	Z6				00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.2 magdef=1)																							
(Station ML: 2.2 magdef=1)																							
HU04B	0.85	268.1	Pg	18:42:11.576	-0.1	T__	164.4			ML	2.2	791460	FDSN	Z6				00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.2 magdef=1)																							
(Station ML: 2.2 magdef=1)																							
HU01A	0.88	304.9	Pn	18:42:12.379	-0.5	T__	136.9			ML	2.1	791461	FDSN	Z6				00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.1 magdef=1)																							
(Station ML: 2.1 magdef=1)																							
HU22A	1.19	244.6	Pn	18:42:17.264	0.2	T__	132.4			ML	2.3	791450	FDSN	Z6				00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.3 magdef=1)																							
(Station ML: 2.3 magdef=1)																							
PSZ	1.20	333.8	Pn	18:42:16.000	-1.3	T__	49.8			ML	1.9	791462	FDSN	GE				--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.20	333.8	Sn	18:42:33.600	-0.1	T__						791451	FDSN	GE				--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1)																							
(Station ML: 1.9 magdef=1)																							
MORH	1.54	246.5	Pn	18:42:22.540	0.6	T__	28.3			ML	1.8	791452	FDSN	HU				--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.8 magdef=1)																							
(Station ML: 1.8 magdef=0)																							
GZR	2.06	134.2	Pn	18:42:29.154	-0.0	T__	24.8			ML	2.0	791448	FDSN	RO				--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.0 magdef=1)																							
(Station ML: 2.0 magdef=1)																							

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/19	18:52:24.11	0.94	0.38	46.8577	20.6353	5.1	4.4	87	4.0	11.5	12	10	116	0.15	1.50	ke	BUD	19004316	BUD			175

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.2	5 BUD	19004316

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU06A	0.15	197.8	Pg	18:52:27.914	0.2					T__		1011.4		---	ML	1.7	791566	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.15	197.8	Lg	18:52:30.157	-0.3					T__				---		791556	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
HU12A	0.35	21.9	Lg	18:52:37.614	0.2					T__				---		791558	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU24A	0.36	81.6	Lg	18:52:37.415	-0.4					T__				---		791557	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU13A	0.43	287.7	Pg	18:52:33.427	-0.0					T__		114.4		---	ML	1.6	791559	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU13A	0.43	287.7	Lg	18:52:40.453	0.4					T__				---		791560	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=0)																									
HU14A	0.56	223.2	Pg	18:52:35.915	0.3					T__		190.5		---	ML	2.1	791561	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=0)																									
HU21A	0.82	230.3	Pg	18:52:39.787	-0.6					T__		95.8		---	ML	1.9	791567	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
HU04B	0.82	267.4	Pg	18:52:40.610	-0.2					T__		124.6		---	ML	2.1	791562	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
HU01A	0.85	305.5	Lg	18:52:53.933	-0.3					T__				---		791563	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU22A	1.16	243.5	Sn	18:53:03.431	-0.1					T__				---		791565	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ABAH	1.50	15.7	Sn	18:53:11.935	0.2					T__				---		791564	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/19	19:03:55.74	1.62	0.85	46.8431	20.6474	9.6	6.5	3	15.0	17.0	6	4	149	0.14	0.81	ke	BUD	19004318	BUD			273

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.1	3 BUD	19004318

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU06A	0.14	202.8	Pg	19:03:59.446	-0.5					T__		603.7		---	ML	1.5	791620	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.14	202.8	Lg	19:04:04.030	1.0					T__				---		791621	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
HU24A	0.36	79.1	Lg	19:04:09.700	0.4					T__				---		791618	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU13A	0.44	289.2	Pg	19:04:05.503	-0.0					T__		73.7		---	ML	1.4	791622	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU13A	0.44	289.2	Lg	19:04:12.171	-0.1					T__				---		791619	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
HU21A	0.81	231.5	Pg	19:04:11.925	-0.1					T__		91.4		---	ML	1.9	791623	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/19	19:09:31.73	1.17	0.53	46.8554	20.6289	13.1	7.1	155	5.6	23.4	6	5	115	0.15	1.17	ke	BUD	19004320	BUD			221

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.3	4 BUD	19004320

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
HU06A	0.15	196.5	Pg	19:09:35.388	0.1					T__		437.4		---	ML	1.4 791693	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.15	196.5	Lg	19:09:37.555	-0.5					T__				---		791694	FDSN	Z6	00	BUD	iLoc	HHN	???	_
			(Reading ML: 1.4 magdef=1																					
			(Station ML: 1.4 magdef=1																					
HU24A	0.37	81.3	Lg	19:09:45.588	-0.0					T__				---		791695	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU14A	0.56	223.1	Pg	19:09:43.718	0.5					T__		134.2		---	ML	1.9 791692	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 1.9 magdef=1																					
			(Station ML: 1.9 magdef=1																					
HU04B	0.82	267.5	Pg	19:09:48.382	-0.0					T__		58.1		---	ML	1.7 791696	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 1.7 magdef=1																					
			(Station ML: 1.7 magdef=1																					
PSZ	1.17	335.1	Pn	19:09:54.681	-0.2					T__		22.6		---	ML	1.5 791697	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 1.5 magdef=1																					
			(Station ML: 1.5 magdef=1																					

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/08/19	19:17:44.73	3.46	0.64	46.8372	20.5834	28.7	6.9	50	10.0f		5	4	253	0.13	0.79	ke	BUD	19004322	BUD				297

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
HU06A	0.13	185.0	Pg	19:17:48.290	0.1					T__		371.3		---	ML	1.2 791740	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.13	185.0	Lg	19:17:50.604	-0.2					T__				---		791741	FDSN	Z6	00	BUD	iLoc	HHN	???	_
			(Reading ML: 1.2 magdef=1																					
			(Station ML: 1.2 magdef=1																					
HU13A	0.41	292.0	Lg	19:17:59.858	-0.0					T__				---		791742	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU21A	0.78	229.7	Pg	19:18:00.768	0.5					T__		80.9		---	ML	1.8 791743	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 1.8 magdef=1																					
			(Station ML: 1.8 magdef=1																					
HU04B	0.79	268.7	Sn	19:18:13.443	-0.7					T__				---		791744	FDSN	Z6	00	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/08/19	21:34:46.81	0.97	0.98	46.8354	20.6482	5.8	4.6	177	7.5		8.5	10	8	113	0.14	1.42	ke	BUD	19004324	BUD				147

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.4	6 BUD	19004324

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
HU06A	0.14	204.3	Pg	21:34:50.674	0.5					T__		633.5		---	ML	1.5 791867	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.14	204.3	Lg	21:34:53.037	0.2					T__				---		791868	FDSN	Z6	00	BUD	iLoc	HHN	???	_
			(Reading ML: 1.5 magdef=1																					
			(Station ML: 1.5 magdef=1																					
HU24A	0.36	77.8	Pg	21:34:54.123	-0.4					T__		139.1		---	ML	1.4 791869	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 1.4 magdef=1																					
			(Station ML: 1.4 magdef=1																					
HU13A	0.45	290.1	Pg	21:34:55.198	-1.3					T__		52.7		---	ML	1.3 791870	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 1.3 magdef=1																					
			(Station ML: 1.3 magdef=0																					
BSZH	0.53	330.8	Pg	21:34:59.247	1.0					T__		140.4		---	ML	1.9 791871	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_



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(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
HU14A 0.55 225.5 Pg 21:34:58.768 0.6 T__ 206.6 ___ ML 2.1 791872 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=0
HU21A 0.81 231.9 Pg 21:35:03.044 -0.1 T__ 104.5 ___ ML 2.0 791873 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU21A 0.81 231.9 Lg 21:35:16.349 1.2 T__ ___ 791874 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
HU04B 0.83 269.0 Lg 21:35:15.528 -0.5 T__ ___ 791875 FDSN Z6 00 BUD iLoc HHN ??? _
DRGR 1.42 91.0 Sn 21:35:31.083 -0.9 T__ ___ 791876 FDSN R0 -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/19 23:52:40.34 0.93 0.88 46.8336 20.7147 7.0 3.5 131 6.5 9.2 10 9 144 0.16 1.56 ke BUD 19004326 BUD 207

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Magnitude Err Nsta Author OrigID
ML 1.9 0.1 5 BUD 19004326

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU06A 0.16 219.9 Pg 23:52:44.186 0.1 T__ 283.6 ___ ML 1.2 791959 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.16 219.9 Lg 23:52:46.444 -0.6 T__ ___ 791953 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=0
HU24A 0.31 75.8 Pg 23:52:47.246 0.1 T__ 120.4 ___ ML 1.3 791960 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
HU12A 0.36 12.3 Lg 23:52:54.281 0.3 T__ ___ 791955 FDSN Z6 00 BUD iLoc HHN ??? _
BSZH 0.56 326.9 Pg 23:52:52.504 0.2 T__ ___ ML 2.1 791956 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=0
HU14A 0.58 228.8 Pg 23:52:52.529 0.2 T__ 131.8 ___ ML 1.9 791961 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
HU21A 0.84 234.0 Pg 23:52:56.905 -0.2 T__ 84.6 ___ ML 1.9 791954 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
PSZ 1.22 333.1 Sn 23:53:19.491 -1.3 T__ ___ 791957 FDSN GE -- BUD iLoc HHN ??? _
HU02A 1.30 354.4 Sn 23:53:22.295 -0.3 T__ ___ 791962 FDSN Z6 00 BUD iLoc HHN ??? _
MORH 1.56 247.4 Sn 23:53:30.473 1.5 T__ ___ 791958 FDSN HU -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/19 23:59:19.80 0.74 0.68 46.8759 20.6890 5.0 4.6 69 17.0 6.6 19 15 59 0.18 2.32 ke BUD 19004328 BUD 114

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Magnitude Err Nsta Author OrigID
ML 2.1 0.1 13 BUD 19004328

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU06A 0.18 207.1 Pg 23:59:24.408 -0.5 T__ 1279.4 ___ ML 1.9 792130 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.18 207.1 Lg 23:59:28.715 0.2 T__ ___ 792131 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1

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(Station ML: 1.9 magdef=1
HU12A 0.32 17.0 Pg 23:59:26.972 -0.3 T__ 498.2 ___ ML 1.9 792133 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU12A 0.32 17.0 Lg 23:59:33.353 0.8 T__ ___ 792128 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
HU24A 0.32 83.8 Pg 23:59:27.151 -0.1 T__ 740.5 ___ ML 2.1 792132 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
BSZH 0.51 325.9 Pg 23:59:31.189 0.1 T__ 337.3 ___ ML 2.3 792134 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=1
HU14A 0.60 224.7 Pg 23:59:32.570 0.3 T__ 268.1 ___ ML 2.3 792135 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=0
HU23A 0.82 338.8 Pg 23:59:36.557 -0.5 T__ 163.0 ___ ML 2.2 792127 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
HU21A 0.86 231.0 Pg 23:59:36.659 -0.3 T__ 193.9 ___ ML 2.3 792136 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=0
HU04B 0.86 266.3 Pg 23:59:36.478 -0.9 T__ 150.6 ___ ML 2.2 792137 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
HU01A 0.87 303.1 Pn 23:59:37.092 -0.1 T__ 159.9 ___ ML 2.2 792138 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU01A 0.87 303.1 Sn 23:59:49.806 0.3 T__ ___ 792139 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
PSZ 1.17 332.9 Pn 23:59:40.940 -0.6 T__ 79.5 ___ ML 2.1 792140 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 1.17 332.9 Sn 23:59:58.342 1.2 T__ ___ 792141 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
HU02A 1.25 355.0 Pn 23:59:42.641 0.1 T__ 29.5 ___ ML 1.7 792142 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=0
DRGR 1.39 92.7 Pn 23:59:44.292 -0.2 T__ 60.7 ___ ML 2.1 792143 FDSN RO -- BUD iLoc HHZ HHZ _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
BZS 1.41 152.6 Pn 23:59:44.676 -0.1 T__ 32.0 ___ ML 1.8 792144 FDSN RO -- BUD iLoc HHZ HHZ _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=0
A267A 1.51 273.5 Lg 00:00:11.382 -0.1 T__ ___ 792129 FDSN Z6 00 BUD iLoc HHN ??? _
KOLS 2.32 26.8 Lg 00:00:36.938 1.7 T__ ___ 792145 FDSN SK -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/20 00:08:49.18 0.97 0.32 46.8169 20.6407 15.6 6.0 177 13.8 15.1 8 5 130 0.12 1.21 ke BUD 19004330 BUD 230

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Magnitude Err Nsta Author OrigID
ML 1.6 0.1 3 BUD 19004330

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU06A 0.12 205.7 Pg 00:08:52.867 0.0 T__ 165.5 ___ ML 0.8 792208 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.12 205.7 Lg 00:08:55.475 -0.1 T__ ___ 792215 FDSN Z6 00 BUD iLoc HHN ??? _

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(Reading ML: 0.8 magdef=1
(Station ML: 0.8 magdef=1
HU24A 0.37 75.2 Lg 00:09:03.044 0.0 T__ --- 792209 FDSN Z6 00 BUD iLoc HHN ??? _
HU13A 0.45 292.6 Lg 00:09:05.855 0.0 T__ --- 792210 FDSN Z6 00 BUD iLoc HHN ??? _
HU04B 0.83 270.2 Pg 00:09:05.727 -0.3 T__ 51.0 --- ML 1.7 792212 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU04B 0.83 270.2 Lg 00:09:18.928 0.5 T__ --- 792211 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
PSZ 1.21 335.6 Pn 00:09:11.987 0.1 T__ 25.1 --- ML 1.6 792214 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 1.21 335.6 Sn 00:09:27.913 -0.2 T__ --- 792213 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/20 00:36:29.20 0.87 0.75 46.8363 20.6863 5.9 5.4 155 10.3 8.7 12 10 122 0.15 2.35 ke BUD 19004332 BUD 136

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Magnitude Err Nsta Author OrigID
ML 1.8 0.1 8 BUD 19004332

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```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU06A 0.15 213.4 Pg 00:36:33.262 0.2 T__ 1077.5 --- ML 1.7 792381 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.15 213.4 Lg 00:36:35.519 -0.5 T__ --- 792382 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
HU24A 0.33 77.1 Pg 00:36:36.639 0.1 T__ 242.3 --- ML 1.6 792379 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
BSZH 0.54 328.4 Pg 00:36:41.972 1.0 T__ 115.2 --- ML 1.9 792383 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
HU14A 0.57 227.3 Pg 00:36:41.409 0.4 T__ 180.7 --- ML 2.1 792377 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=0
HU23A 0.86 339.8 Pg 00:36:46.367 -0.7 T__ 78.0 --- ML 1.9 792384 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
HU04B 0.86 268.9 Pg 00:36:46.247 -0.4 T__ 74.3 --- ML 1.8 792385 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
PSZ 1.21 333.9 Pn 00:36:51.767 -0.5 T__ 40.8 --- ML 1.8 792386 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 1.21 333.9 Sn 00:37:08.419 -0.3 T__ --- 792380 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
DRGR 1.39 91.1 Sn 00:37:13.419 0.3 T__ --- 792387 FDSN RO -- BUD iLoc HHN ??? _
MORH 1.54 247.0 Pn 00:36:56.970 0.3 T__ 17.5 --- ML 1.6 792388 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=0
KOLS 2.35 26.4 Lg 00:37:47.105 1.4 T__ --- 792378 FDSN SK -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp

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2023/08/20 00:37:13.95 0.86 0.66 46.8295 20.6769 6.1 4.5 179 9.8 1.2 10 8 121 0.14 1.40 ke BUD 19004334 BUD 136

Magnitude Err Nsta Author OrigID  
ML 1.7 0.1 7 BUD 19004334

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
HU06A	0.14	212.7	Pg	00:37:18.004	0.4					T__		579.5		---	ML	1.5 792503	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.14	212.7	Lg	00:37:20.303	-0.1					T__				---		792504	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=1)																								
HU24A	0.34	76.2	Pg	00:37:21.361	-0.0					T__		278.2		---	ML	1.7 792508	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU24A	0.34	76.2	Lg	00:37:25.933	-0.9					T__				---		792505	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=1)																								
HU13A	0.47	290.0	Pg	00:37:23.405	-0.7					T__		58.0		---	ML	1.4 792509	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.4 magdef=1 Station ML: 1.4 magdef=0)																								
BSZH	0.55	329.4	Pg	00:37:26.488	0.8					T__		107.0		---	ML	1.8 792506	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=1)																								
HU14A	0.56	227.4	Pg	00:37:26.109	0.6					T__		127.7		---	ML	1.9 792510	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=0)																								
HU21A	0.82	233.1	Pg	00:37:30.213	0.0					T__		84.0		---	ML	1.9 792511	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=1)																								
HU01A	0.89	305.9	Lg	00:37:44.370	-0.3					T__				---		792507	FDSN	Z6	00	BUD	iLoc	HHN	???	_
DRGR	1.40	90.8	Pn	00:37:39.774	0.2					T__		29.2		---	ML	1.7 792512	FDSN	R0	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=1)																								

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
2023/08/20 00:41:41.72 1.34 0.88 46.8218 20.6519 11.7 5.5 112 16.4 9.0 10 8 189 0.12 1.21 ke BUD 19004336 BUD 232

Magnitude Err Nsta Author OrigID  
ML 1.6 0.3 7 BUD 19004336

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
HU06A	0.12	208.0	Pg	00:41:45.634	-0.2					T__		655.4		---	ML	1.5 792643	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.12	208.0	Lg	00:41:47.955	-0.9					T__				---		792645	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=1)																								
HU12A	0.38	18.3	Lg	00:41:55.455	-0.8					T__				---		792646	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU13A	0.45	291.6	Pg	00:41:52.771	1.0					T__		69.2		---	ML	1.4 792647	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.4 magdef=1 Station ML: 1.4 magdef=0)																								
HU14A	0.54	226.7	Pg	00:41:53.860	0.8					T__		120.9		---	ML	1.9 792649	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=1)																								
BSZH	0.55	331.3	Pg	00:41:54.224	0.6					T__		138.8		---	ML	1.9 792648	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=0)																								

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HU21A  0.80 232.8 Pg      00:41:58.255  0.4          T__      77.8      ___ ML      1.8 792644      FDSN Z6      00 BUD      iLoc  HHZ HHZ  _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
HU04B  0.83 269.9 Pg      00:41:57.727 -1.0          T__      47.9      ___ ML      1.6 792650      FDSN Z6      00 BUD      iLoc  HHZ HHZ  _
HU04B  0.83 269.9 Lg      00:42:11.284 -0.1          T__      ___      ___      792651      FDSN Z6      00 BUD      iLoc  HHN ???  _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
PSZ    1.21 335.1 Pn      00:42:04.017 -0.0          T__      27.4      ___ ML      1.6 792652      FDSN GE      -- BUD      iLoc  HHZ HHZ  _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1

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Date      Time      Err      RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author      OrigID      Rep  DPdep  Err Sgp
2023/08/20 01:25:17.09  0.71  0.75 46.8358  20.6810  4.4  3.6 147  10.0f  19  15 121  0.15  1.51  ke BUD      19004338      BUD      136

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Magnitude  Err Nsta Author      OrigID
ML      2.0 0.1  10 BUD      19004338

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Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh  ACh  L
HU06A  0.15 212.3 Pg      01:25:21.044  0.2          T__      985.5      ___ ML      1.7 792859      FDSN Z6      00 BUD      iLoc  HHZ HHZ  _
HU06A  0.15 212.3 Lg      01:25:23.744 -0.0          T__      ___      ___      792860      FDSN Z6      00 BUD      iLoc  HHN ???  _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=0
HU24A  0.34 77.1 Pg      01:25:24.466  0.0          T__      466.8      ___ ML      1.9 792853      FDSN Z6      00 BUD      iLoc  HHZ HHZ  _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
HU12A  0.36 16.0 Lg      01:25:31.101  0.3          T__      ___      ___      792854      FDSN Z6      00 BUD      iLoc  HHN ???  _
HU13A  0.47 289.2 Pg      01:25:27.135 -0.1          T__      79.1      ___ ML      1.5 792861      FDSN Z6      00 BUD      iLoc  HHZ HHZ  _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=0
BSZH   0.54 328.8 Pg      01:25:29.744  0.9          T__      177.9      ___ ML      2.1 792862      FDSN HU      -- BUD      iLoc  HHZ HHZ  _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
HU14A  0.57 227.1 Pg      01:25:29.307  0.5          T__      203.7      ___ ML      2.1 792863      FDSN Z6      00 BUD      iLoc  HHZ HHZ  _
HU14A  0.57 227.1 Lg      01:25:39.295  1.9          T__      ___      ___      792855      FDSN Z6      00 BUD      iLoc  HHN ???  _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=0
HU21A  0.83 232.9 Pg      01:25:33.545 -0.1          T__      99.8      ___ ML      2.0 792864      FDSN Z6      00 BUD      iLoc  HHZ HHZ  _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
HU04B  0.85 269.0 Pg      01:25:33.661 -0.8          T__      94.0      ___ ML      1.9 792865      FDSN Z6      00 BUD      iLoc  HHZ HHZ  _
HU04B  0.85 269.0 Lg      01:25:46.378 -0.9          T__      ___      ___      792856      FDSN Z6      00 BUD      iLoc  HHN ???  _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
HU01A  0.89 305.5 Lg      01:25:47.519 -0.3          T__      ___      ___      792866      FDSN Z6      00 BUD      iLoc  HHN ???  _
LTVH   1.00 56.2 Pg      01:25:37.127  0.0          T__      85.7      ___ ML      2.0 792857      FDSN HU      -- BUD      iLoc  HHZ HHZ  _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
HU22A  1.18 245.2 Pn      01:25:39.764 -0.2          T__      95.1      ___ ML      2.1 792867      FDSN Z6      00 BUD      iLoc  HHZ HHZ  _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=0
PSZ    1.21 334.0 Sn      01:25:56.330 -0.7          T__      ___      ___      792858      FDSN GE      -- BUD      iLoc  HHN ???  _
HU02A  1.29 355.4 Sn      01:25:58.689 -0.4          T__      ___      ___      792868      FDSN Z6      00 BUD      iLoc  HHN ???  _

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DRGR	1.39	91.1	Pn	01:25:42.877	-0.1	T__	33.9	___	ML	1.8	792869	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	1.39	91.1	Sn	01:26:00.593	-1.1	T__		---			792870	FDSN	RO	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1)																			
(Station ML: 1.8 magdef=1)																			
ABAH	1.51	14.3	Sn	01:26:05.270	0.9	T__		---			792871	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/20	01:52:58.26	0.68	0.80	46.8515	20.6592	3.9	3.0	159	13.6	6.5	92	71	45	0.15	5.14	ke	BUD	19004340	BUD			62

Magnitude	Err	Nsta	Author	OrigID
ML	4.1	0.1	65 BUD	19004340

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU06A	0.15	204.4	Pg	01:53:02.425	-0.1					T__		212986.9		_d_	ML	4.1	794884	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.15	204.4	Lg	01:53:04.923	-0.7					T__				---		794873	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 4.1 magdef=1)																									
(Station ML: 4.1 magdef=1)																									
HU24A	0.35	80.2	Pg	01:53:05.651	-0.3					T__		66605.6		---	ML	4.1	794885	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU24A	0.35	80.2	Lg	01:53:12.364	0.9					T__				---		794874	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 4.1 magdef=1)																									
(Station ML: 4.1 magdef=1)																									
HU12A	0.35	19.0	Pg	01:53:05.881	-0.2					T__		32437.3		---	ML	3.8	794886	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU12A	0.35	19.0	Lg	01:53:12.623	0.9					T__				---		794887	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 3.8 magdef=1)																									
(Station ML: 3.8 magdef=0)																									
HU13A	0.45	287.9	Pg	01:53:07.913	-0.2					T__		23995.4		---	ML	3.9	794875	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU13A	0.45	287.9	Lg	01:53:15.429	0.5					T__				---		794888	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 3.9 magdef=1)																									
(Station ML: 3.9 magdef=1)																									
BSZH	0.52	329.3	Pg	01:53:09.971	0.4					T__		42050.7		---	ML	4.4	794841	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.4 magdef=1)																									
(Station ML: 4.4 magdef=0)																									
HU14A	0.57	224.9	Pg	01:53:10.451	0.4					T__		49409.7		_d_	ML	4.5	794889	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.5 magdef=1)																									
(Station ML: 4.5 magdef=0)																									
HU05A	0.77	24.8	Pg	01:53:13.746	-0.5					T__		13145.5		---	ML	4.0	794890	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.0 magdef=1)																									
(Station ML: 4.0 magdef=1)																									
HU21A	0.82	231.4	Pg	01:53:14.487	-0.3					T__		26810.0		---	ML	4.4	794891	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.4 magdef=1)																									
(Station ML: 4.4 magdef=0)																									
HU23A	0.84	340.6	Pn	01:53:15.085	-0.6					T__		13784.6		---	ML	4.1	794848	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.1 magdef=1)																									
(Station ML: 4.1 magdef=1)																									
HU04B	0.84	267.9	Pg	01:53:14.773	-0.6					T__		19993.8		---	ML	4.3	794892	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.3 magdef=1)																									
(Station ML: 4.3 magdef=1)																									
HU01A	0.86	305.2	Pn	01:53:15.364	-0.7					T__		19392.0		---	ML	4.3	794849	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.3 magdef=1)																									
(Station ML: 4.3 magdef=1)																									
LTVH	1.00	57.4	Pn	01:53:16.994	-0.9					T__		13591.6		---	ML	4.2	794850	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 4.2 magdef=1)																									

(Station ML: 4.2 magdef=1 A272A 1.17 265.4 Pn (Reading ML: 4.2 magdef=1 (Station ML: 4.2 magdef=1	01:53:19.521 -0.7	T__	12476.2	___ ML	4.2 794894	FDSN Z6	00 BUD	iLoc	HHZ HHZ _
HU22A 1.18 244.1 Pn (Reading ML: 4.4 magdef=1 (Station ML: 4.4 magdef=0	01:53:19.459 -0.9	T__	16175.1	___ ML	4.4 794893	FDSN Z6	00 BUD	iLoc	HHZ HHZ _
PSZ 1.19 334.3 Pn PSZ 1.19 334.3 Sn (Reading ML: 3.9 magdef=1 (Station ML: 3.9 magdef=1	01:53:19.556 -1.0 01:53:38.054 1.5	T__ T__	5996.6	___ ML ---	3.9 794842 794866	FDSN GE FDSN GE	-- BUD -- BUD	iLoc iLoc	HHZ HHZ _ HHN ??? _
HU02A 1.27 356.0 Pn (Reading ML: 3.7 magdef=1 (Station ML: 3.7 magdef=0	01:53:20.707 -1.1	T__	2942.8	___ ML	3.7 794897	FDSN Z6	00 BUD	iLoc	HHZ HHZ _
HU03A 1.28 326.0 Pn (Reading ML: 4.2 magdef=1 (Station ML: 4.2 magdef=1	01:53:21.220 -0.5	T__	9787.4	___ ML	4.2 794895	FDSN Z6	00 BUD	iLoc	HHZ HHZ _
BUD 1.28 300.1 Pn (Reading ML: 4.0 magdef=1 (Station ML: 4.0 magdef=1	01:53:20.754 -1.0	T__	6131.2	___ ML	4.0 794851	FDSN HU	-- BUD	iLoc	HHZ HHZ _
A271A 1.29 284.3 Pn (Reading ML: 4.1 magdef=1 (Station ML: 4.1 magdef=1	01:53:21.645 -0.2	T__	8202.1	___ ML	4.1 794896	FDSN Z6	00 BUD	iLoc	HHZ HHZ _
CP17A 1.37 355.9 Pn (Reading ML: 4.1 magdef=1 (Station ML: 4.1 magdef=1	01:53:22.454 -0.6	T__	7388.6	___ ML	4.1 794852	FDSN Z6	00 BUD	iLoc	HHZ HHZ _
BZS 1.40 151.4 Pn (Reading ML: 3.5 magdef=1 (Station ML: 3.5 magdef=0	01:53:22.869 -0.6	T__	1684.4	___ ML	3.5 794853	FDSN R0	-- BUD	iLoc	BHZ BHZ _
DRGR 1.41 91.7 Pn (Reading ML: 3.9 magdef=1 (Station ML: 3.9 magdef=0	01:53:22.773 -0.9	T__	3722.5	___ ML	3.9 794898	FDSN R0	-- BUD	iLoc	BHZ BHZ _
HU07A 1.42 36.6 Pn (Reading ML: 4.1 magdef=1 (Station ML: 4.1 magdef=1	01:53:22.554 -1.1	T__	6228.2	___ ML	4.1 794899	FDSN Z6	00 BUD	iLoc	HHZ HHZ _
CP16A 1.49 356.9 Pn CP16A 1.49 356.9 Pg (Reading ML: 4.0 magdef=1 (Station ML: 4.0 magdef=1	01:53:24.500 -0.2 01:53:27.108 -0.9	T__ T__	4216.2	___ ML ---	4.0 794902 794876	FDSN Z6 FDSN Z6	00 BUD 00 BUD	iLoc iLoc	HHZ HHZ _ HHZ ??? _
HU10A 1.49 312.3 Pn (Reading ML: 4.0 magdef=1 (Station ML: 4.0 magdef=1	01:53:24.607 -0.1	T__	5131.1	___ ML	4.0 794900	FDSN Z6	00 BUD	iLoc	HHZ HHZ _
A267A 1.50 274.4 Pn (Reading ML: 4.2 magdef=1 (Station ML: 4.2 magdef=1	01:53:24.209 -0.5	T__	7532.1	___ ML	4.2 794901	FDSN Z6	00 BUD	iLoc	HHZ HHZ _
ABAH 1.50 15.0 Pn ABAH 1.50 15.0 Pg (Reading ML: 3.9 magdef=1 (Station ML: 3.9 magdef=1	01:53:23.567 -1.2 01:53:26.861 -1.0	T__ T__	3668.6	___ ML ---	3.9 794903 794877	FDSN HU FDSN HU	-- BUD -- BUD	iLoc iLoc	HHZ HHZ _ HHZ ??? _
MORH 1.53 246.1 Pn MORH 1.53 246.1 Lg (Reading ML: 3.9 magdef=1 (Station ML: 3.9 magdef=1	01:53:23.873 -1.3 01:53:48.708 -1.1	T__ T__	3517.3	___ ML ---	3.9 794854 794878	FDSN HU FDSN HU	-- BUD -- BUD	iLoc iLoc	HHZ HHZ _ HHN ??? _

A266A	1.68	259.7	Pn	01:53:26.402	-0.9	T__	10456.5	___ ML	4.5	794904	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 4.5 magdef=1)																			
(Station ML: 4.5 magdef=0)																			
CSKK	1.72	288.2	Pn	01:53:27.352	-0.4	T__	5584.1	___ ML	4.2	794905	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
CSKK	1.72	288.2	Pg	01:53:30.756	-1.6	T__		___		794879	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
(Reading ML: 4.2 magdef=1)																			
(Station ML: 4.2 magdef=1)																			
HU09A	1.74	297.7	Pn	01:53:28.151	0.1	T__	5681.7	___ ML	4.2	794906	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 4.2 magdef=1)																			
(Station ML: 4.2 magdef=1)																			
TRPA	1.81	44.2	Pn	01:53:27.422	-1.6	T__	1975.4	___ ML	3.8	794847	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 3.8 magdef=1)																			
(Station ML: 3.8 magdef=0)																			
DEV	1.83	121.1	Pn	01:53:29.017	-0.3	T__	2188.3	___ ML	3.9	794907	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
DEV	1.83	121.1	Lg	01:53:58.135	1.9	T__		___		794867	FDSN	RO	--	BUD	iLoc	BHN	???	_	
(Reading ML: 3.9 magdef=1)																			
(Station ML: 3.9 magdef=0)																			
SR0	1.86	302.0	Pn	01:53:29.892	0.1	T__	16319.9	___ ML	4.7	794908	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_	
(Reading ML: 4.7 magdef=1)																			
(Station ML: 4.7 magdef=0)																			
TIH	1.90	272.5	Pn	01:53:29.686	-0.6	T__	10426.2	___ ML	4.6	794909	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
TIH	1.90	272.5	Sn	01:53:54.403	0.4	T__		___		794880	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 4.6 magdef=1)																			
(Station ML: 4.6 magdef=0)																			
KOVH	1.93	247.6	Pg	01:53:34.546	-1.2	T__	2766.6	___ ML	4.0	794868	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
KOVH	1.93	247.6	Lg	01:54:01.785	-0.1	T__		___		794843	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 4.0 magdef=1)																			
(Station ML: 4.0 magdef=1)																			
HU08A	1.96	288.3	Pn	01:53:31.103	0.1	T__	3340.0	___ ML	4.1	794910	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU08A	1.96	288.3	Sn	01:53:55.476	0.1	T__		___		794911	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU08A	1.96	288.3	Lg	01:54:03.107	-1.4	T__		___		794881	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 4.1 magdef=1)																			
(Station ML: 4.1 magdef=1)																			
A265A	2.02	258.8	Pn	01:53:31.119	-0.8	T__	5215.4	___ ML	4.3	794855	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
A265A	2.02	258.8	Lg	01:54:05.304	0.5	T__		___		794869	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 4.3 magdef=1)																			
(Station ML: 4.3 magdef=1)																			
CJR	2.02	92.8	Pn	01:53:31.912	-0.1	T__	7021.4	___ ML	4.5	794912	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
(Reading ML: 4.5 magdef=1)																			
(Station ML: 4.5 magdef=0)																			
GZR	2.07	134.0	Pn	01:53:32.814	0.1	T__	1224.5	___ ML	3.7	794913	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
(Reading ML: 3.7 magdef=1)																			
(Station ML: 3.7 magdef=0)																			
BMR	2.10	65.9	Pg	01:53:38.176	-0.7	T__	4726.1	___ ML	4.3	794870	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_	
BMR	2.10	65.9	Lg	01:54:08.200	1.9	T__		___		794871	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 4.3 magdef=1)																			
(Station ML: 4.3 magdef=1)																			
MPLH	2.16	279.6	Pn	01:53:33.936	0.1	T__	2288.1	___ ML	4.1	794914	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
MPLH	2.16	279.6	Lg	01:54:10.085	-0.2	T__		___		794915	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 4.1 magdef=1)																			
(Station ML: 4.1 magdef=1)																			
A273A	2.18	245.6	Pn	01:53:33.584	-0.5	T__	3396.7	___ ML	4.2	794916	FDSN	Z6	00	BUD	iLoc	HHN	HHZ	_	
A273A	2.18	245.6	Lg	01:54:10.363	0.9	T__		___		794917	FDSN	Z6	00	BUD	iLoc	HHN	???	_	



(Reading ML: 4.2 magdef=1 (Station ML: 4.2 magdef=1 A263A 2.31 266.0 Pn 01:53:35.247 -0.7	T__	3663.7	___ ML	4.3 794918	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.3 magdef=1 (Station ML: 4.3 magdef=1 EGYH 2.34 285.2 Pn 01:53:37.910 1.6	T__	1833.5	___ ML	4.1 794856	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.1 magdef=1 (Station ML: 4.1 magdef=1 KOLS 2.35 26.9 Pn 01:53:36.006 -0.5	T__		---	794857	FDSN SK	-- BUD	iLoc	HHZ ???	_
KOLS 2.35 26.9 Lg 01:54:16.313 1.7	T__		---	794882	FDSN SK	-- BUD	iLoc	HHN ???	_
A261A 2.41 273.7 Pn 01:53:37.255 -0.0	T__	7587.2	___ ML	4.7 794919	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.7 magdef=1 (Station ML: 4.7 magdef=0 A264A 2.43 254.7 Pn 01:53:37.054 -0.5	T__	3334.0	___ ML	4.4 794858	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.4 magdef=1 (Station ML: 4.4 magdef=0 MEZ 2.55 48.2 Pn 01:53:38.894 -0.3	T__		---	794920	FDSN UA	-- BUD	iLoc	BHZ ???	_
LOT 2.58 121.9 Pn 01:53:39.567 -0.2	T__	2264.3	___ ML	4.3 794921	FDSN RO	-- BUD	iLoc	BHZ BHZ	_
(Reading ML: 4.3 magdef=1 (Station ML: 4.3 magdef=1 NIE 2.58 354.8 Pn 01:53:40.612 0.9	T__	363.2	___ ML	3.5 794922	FDSN PL	-- BUD	iLoc	BHZ BHZ	_
(Reading ML: 3.5 magdef=1 (Station ML: 3.5 magdef=0 BEHE 2.70 263.3 Pn 01:53:40.556 -0.8	T__	2796.1	___ ML	4.4 794859	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.4 magdef=1 (Station ML: 4.4 magdef=0 A260A 2.74 280.5 Pn 01:53:42.128 0.3	T__	1353.9	___ ML	4.2 794923	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
A260A 2.74 280.5 Lg 01:54:29.358 1.1	T__		---	794883	FDSN Z6	00 BUD	iLoc	HHN ???	_
(Reading ML: 4.2 magdef=1 (Station ML: 4.2 magdef=1 MODS 2.75 304.9 Pn 01:53:41.899 -0.1	T__		---	794860	FDSN SK	-- BUD	iLoc	HHZ ???	_
ZST 2.76 300.5 Pn 01:53:42.232 0.1	T__		---	794924	FDSN SK	-- BUD	iLoc	HHZ ???	_
A262A 2.84 271.8 Pn 01:53:43.376 0.2	T__	1694.5	___ ML	4.3 794925	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.3 magdef=1 (Station ML: 4.3 magdef=1 JAVC 2.84 316.0 Pn 01:53:43.709 0.4	T__	566.5	___ ML	3.8 794926	FDSN CZ	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 3.8 magdef=1 (Station ML: 3.8 magdef=0 SOP 2.91 288.1 Pn 01:53:44.110 -0.1	T__	1484.1	___ ML	4.3 794844	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.3 magdef=1 (Station ML: 4.3 magdef=1 RONA 3.09 287.5 Pn 01:53:46.614 -0.1	T__		---	794861	FDSN OE	-- BUD	iLoc	HHZ ???	_
BBS 3.11 196.9 Pn 01:53:47.542 0.5	T__	1463.8	___ ML	4.4 794862	FDSN SJ	-- BUD	iLoc	BHZ BHZ	_
(Reading ML: 4.4 magdef=1 (Station ML: 4.4 magdef=0 BURAR 3.20 74.5 Pn 01:53:49.017 0.8	T__		---	794863	FDSN RO	-- BUD	iLoc	BHZ ???	_
BLY 3.21 230.4 Pn 01:53:47.738 -0.6	T__	670.2	___ ML	4.1 794927	FDSN MN	-- BUD	iLoc	HHZ HHZ	_
(Reading ML: 4.1 magdef=1 (Station ML: 4.1 magdef=1 OJC 3.42 350.7 Pn 01:53:52.470 1.3	T__	281.4	___ ML	3.9 794845	FDSN PL	-- BUD	iLoc	BHZ BHZ	_
(Reading ML: 3.9 magdef=1 (Station ML: 3.9 magdef=0 CONA 3.43 290.0 Pn 01:53:51.220 -0.2	T__	355.6	___ ML	4.0 794928	FDSN OE	-- BUD	iLoc	HHZ HHZ	_

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(Reading ML: 4.0 magdef=1
(Station ML: 4.0 magdef=1
ARSA 3.53 278.4 Pn 01:53:52.763 -0.0 T__ 468.3 ___ ML 4.1 794929 FDSN OE -- BUD iLoc HHZ HHZ _
(Reading ML: 4.1 magdef=1
(Station ML: 4.1 magdef=1
MORC 3.59 325.8 Pn 01:53:53.756 0.2 T__ 184.6 ___ ML 3.8 794864 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 3.8 magdef=1
(Station ML: 3.8 magdef=0
KRUC 3.62 309.2 Pn 01:53:53.555 -0.4 T__ 163.8 ___ ML 3.7 794930 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 3.7 magdef=1
(Station ML: 3.7 magdef=0
VRAC 3.67 313.5 Pn 01:53:54.441 -0.2 T__ 198.5 ___ ML 3.8 794931 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 3.8 magdef=1
(Station ML: 3.8 magdef=0
CRES 3.75 256.0 Pn 01:53:54.512 -1.2 T__ 470.8 ___ ML 4.2 794846 FDSN SL -- BUD iLoc BHZ BHZ _
CRES 3.75 256.0 Pg 01:54:09.318 1.0 T__ 794872 FDSN SL -- BUD iLoc BHZ ??? _
(Reading ML: 4.2 magdef=1
(Station ML: 4.2 magdef=1
OBKA 4.22 267.6 Pn 01:54:02.558 0.3 T__ 360.6 ___ ML 4.2 794932 FDSN OE -- BUD iLoc HHZ HHZ _
(Reading ML: 4.2 magdef=1
(Station ML: 4.2 magdef=1
PRU 5.14 309.9 Pn 01:54:15.070 0.2 T__ 9957.6 0.51 ___ ML 5.9 794865 FDSN CZ -- BUD iLoc HHZ HHZ _
PRU 5.14 309.9 00:00:00.000 --- 356913.0 --- 0.0 794865 FDSN CZ -- BUD iLoc HHZ HHZ _
PRU 5.14 309.9 00:00:00.000 --- 123.2 --- 0.0 794865 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 5.9 magdef=1
(Station ML: 5.9 magdef=0

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/20 01:59:48.99 0.81 0.62 46.8584 20.6738 5.6 4.2 137 14.6 8.0 17 16 125 0.16 2.03 ke BUD 19004342 BUD 188

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Magnitude Err Nsta Author OrigID
ML 2.2 0.2 14 BUD 19004342

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU06A 0.16 206.6 Pg 01:59:53.511 0.0 T__ 2177.5 ___ ML 2.1 795344 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.16 206.6 Lg 01:59:56.217 -0.6 T__ 795345 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
HU24A 0.34 81.0 Pg 01:59:56.817 0.3 T__ 684.8 ___ ML 2.1 795335 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
HU12A 0.34 17.8 Pg 01:59:56.975 0.3 T__ 341.7 ___ ML 1.8 795336 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=0
HU13A 0.46 286.7 Pg 01:59:59.059 0.0 T__ 241.8 ___ ML 2.0 795341 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=0
BSZH 0.52 327.9 Pg 02:00:00.949 0.6 T__ 446.9 ___ ML 2.4 795342 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=1
HU14A 0.58 225.1 Pg 02:00:01.779 0.8 T__ 556.5 ___ ML 2.6 795337 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.6 magdef=1

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(Station ML: 2.6 magdef=0
HU21A 0.84 231.4 Pg 02:00:06.011 0.3 T__ 305.0 ___ ML 2.4 795346 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=0
HU04B 0.85 267.4 Pg 02:00:05.903 -0.4 T__ 223.8 ___ ML 2.3 795347 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=1
HU01A 0.87 304.4 Pn 02:00:06.605 -0.1 T__ 191.7 ___ ML 2.3 795348 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=1
A272A 1.18 265.1 Lg 02:00:29.526 -0.3 T__ 795339 FDSN Z6 00 BUD iLoc HHN ??? _
PSZ 1.19 333.7 Pn 02:00:11.004 -0.2 T__ 108.4 ___ ML 2.2 795350 FDSN GE -- BUD iLoc HHZ HHZ _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
HU22A 1.19 244.1 Pn 02:00:11.803 0.7 T__ 168.7 ___ ML 2.4 795349 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=1
HU02A 1.27 355.5 Pn 02:00:12.157 -0.1 T__ 82.9 ___ ML 2.1 795351 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
ABAH 1.49 14.7 Pg 02:00:18.098 -0.4 T__ 91.7 ___ ML 2.3 795343 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=1
MORH 1.54 246.1 Pn 02:00:15.028 -0.9 T__ 44.7 ___ ML 2.0 795338 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
A265A 2.03 258.7 Lg 02:00:57.200 1.3 T__ 795340 FDSN Z6 00 BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/20 02:09:26.93 1.26 0.19 46.8229 20.6399 8.3 6.7 156 10.0f 4 3 144 0.12 0.45 ke BUD 19004344 BUD 272

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU06A 0.12 204.2 Pg 02:09:30.360 0.1 T__ 218.5 ___ ML 1.0 795407 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.12 204.2 Lg 02:09:32.767 -0.1 T__ 795404 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=0
HU24A 0.37 76.1 Lg 02:09:40.581 -0.1 T__ 795405 FDSN Z6 00 BUD iLoc HHN ??? _
HU13A 0.45 291.9 Lg 02:09:43.349 -0.1 T__ 795406 FDSN Z6 00 BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/20 02:15:10.41 1.15 0.54 46.7934 20.7167 10.4 6.2 122 10.0f 5 5 162 0.13 0.88 ke BUD 19004346 BUD 262

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Magnitude Err Nsta Author OrigID  
ML 1.7 0.3 4 BUD 19004346

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU06A 0.13 231.7 Pg 02:15:13.988 0.1 T__ 191.8 ___ ML 0.9 795540 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 0.9 magdef=1

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(Station ML: 0.9 magdef=1
HU24A 0.33 68.9 Lg 02:15:22.587 -0.2 T__
BSZH 0.59 328.9 Pg 02:15:23.329 0.3 T__ 142.6 --- ML 2.0 795542 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
HU21A 0.82 236.3 Pg 02:15:27.210 0.4 T__ 70.3 --- ML 1.8 795543 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
HU04B 0.88 271.8 Pg 02:15:27.738 -0.6 T__ 44.5 --- ML 1.6 795544 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/20 03:03:19.78 1.24 0.11 46.8474 20.6425 17.4 5.7 104 10.0f 6.7 77 60 48 0.15 3.66 ke BUD 19004348 BUD 247

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU06A 0.14 200.9 Pg 03:03:23.491 -0.0 T__ 182.7 --- ML 1.0 795660 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.14 200.9 Lg 03:03:26.539 0.1 T__ --- 795661 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=0
HU12A 0.36 20.5 Lg 03:03:33.392 0.0 T__ --- 795662 FDSN Z6 00 BUD iLoc HHN ??? _
HU04B 0.83 268.1 Sn 03:03:50.141 -0.1 T__ --- 795658 FDSN Z6 00 BUD iLoc HHN ??? _
PSZ 1.19 334.9 Sn 03:03:59.297 0.1 T__ --- 795659 FDSN GE -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/20 03:13:34.08 0.73 0.78 46.8520 20.6486 4.1 3.1 157 12.2 6.7 77 60 48 0.15 3.66 ke BUD 19004350 BUD 65

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Magnitude Err Nsta Author OrigID
ML 3.5 0.2 54 BUD 19004350

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU06A 0.15 201.8 Pg 03:13:38.223 0.1 T__ 34896.4 --- ML 3.3 796572 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.15 201.8 Lg 03:13:40.808 -0.4 T__ --- 796612 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 3.3 magdef=1
(Station ML: 3.3 magdef=0
HU12A 0.35 20.2 Pg 03:13:41.713 -0.2 T__ 11326.7 --- ML 3.3 796574 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 3.3 magdef=1
(Station ML: 3.3 magdef=1
HU24A 0.35 80.4 Pg 03:13:41.516 -0.4 T__ 19260.9 --- ML 3.6 796573 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU24A 0.35 80.4 Lg 03:13:48.213 0.8 T__ --- 796613 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 3.6 magdef=1
(Station ML: 3.6 magdef=1
HU13A 0.44 288.1 Pg 03:13:43.713 -0.0 T__ 6874.8 --- ML 3.4 796626 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU13A 0.44 288.1 Lg 03:13:51.277 0.8 T__ --- 796625 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 3.4 magdef=1
(Station ML: 3.4 magdef=1
BSZH 0.52 329.9 Pg 03:13:45.793 0.5 T__ 13179.6 --- ML 3.9 796568 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 3.9 magdef=1

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(Station ML: 3.9 magdef=0 HU14A 0.56 224.3 Pg (Reading ML: 3.9 magdef=1 (Station ML: 3.9 magdef=0	03:13:46.429 0.7	T__	11279.5	_d_ ML	3.9 796575	FDSN Z6	00 BUD	iLoc	HHZ HHZ _
(Station ML: 3.9 magdef=0 HU05A 0.78 25.3 Pg (Reading ML: 3.6 magdef=1 (Station ML: 3.6 magdef=1	03:13:49.401 -0.7	T__	4316.7	___ ML	3.6 796627	FDSN Z6	00 BUD	iLoc	HHZ HHZ _
(Station ML: 3.7 magdef=1 HU21A 0.82 231.0 Pg (Reading ML: 3.7 magdef=1 (Station ML: 3.7 magdef=1	03:13:50.371 -0.1	T__	5368.5	___ ML	3.7 796576	FDSN Z6	00 BUD	iLoc	HHZ HHZ _
(Station ML: 3.8 magdef=1 HU04B 0.83 267.8 Pg (Reading ML: 3.8 magdef=1 (Station ML: 3.8 magdef=0	03:13:50.610 -0.4	T__	6291.7	___ ML	3.8 796577	FDSN Z6	00 BUD	iLoc	HHZ HHZ _
(Station ML: 3.6 magdef=1 HU23A 0.83 341.1 Pn (Reading ML: 3.6 magdef=1 (Station ML: 3.6 magdef=1	03:13:50.984 -0.6	T__	4607.3	___ ML	3.6 796578	FDSN Z6	00 BUD	iLoc	HHZ HHZ _
(Station ML: 3.9 magdef=1 HU01A 0.86 305.4 Pn (Reading ML: 3.9 magdef=1 (Station ML: 3.9 magdef=0	03:13:51.161 -0.8	T__	7655.1	___ ML	3.9 796579	FDSN Z6	00 BUD	iLoc	HHZ HHZ _
(Station ML: 3.9 magdef=0 HU01A 0.86 305.4 Sn (Reading ML: 3.9 magdef=1 (Station ML: 3.9 magdef=0	03:14:04.207 -0.2	T__		___	796614	FDSN Z6	00 BUD	iLoc	HHN ??? _
(Station ML: 3.7 magdef=1 LTVH 1.01 57.6 Pn (Reading ML: 3.7 magdef=1 (Station ML: 3.7 magdef=1	03:13:52.962 -1.0	T__	4292.6	___ ML	3.7 796580	FDSN HU	-- BUD	iLoc	HHZ HHZ _
(Station ML: 3.6 magdef=1 HU11A 1.13 18.0 Pn (Reading ML: 3.6 magdef=1 (Station ML: 3.6 magdef=1	03:13:55.061 -0.6	T__	2912.2	___ ML	3.6 796581	FDSN Z6	00 BUD	iLoc	HHZ HHZ _
(Station ML: 3.6 magdef=1 A272A 1.16 265.3 Pn (Reading ML: 3.6 magdef=1 (Station ML: 3.6 magdef=1	03:13:55.118 -1.0	T__	2933.7	___ ML	3.6 796628	FDSN Z6	00 BUD	iLoc	HHZ HHZ _
(Station ML: 3.6 magdef=1 A272A 1.16 265.3 Lg (Reading ML: 3.6 magdef=1 (Station ML: 3.6 magdef=1	03:14:13.659 -0.7	T__		___	796629	FDSN Z6	00 BUD	iLoc	HHN ??? _
(Station ML: 3.7 magdef=1 HU22A 1.17 243.9 Pg (Reading ML: 3.7 magdef=1 (Station ML: 3.7 magdef=0	03:13:56.938 -0.2	T__	3767.8	___ ML	3.7 796615	FDSN Z6	00 BUD	iLoc	HHZ HHZ _
(Station ML: 3.5 magdef=1 PSZ 1.18 334.6 Pn (Reading ML: 3.5 magdef=1 (Station ML: 3.5 magdef=1	03:13:55.337 -1.2	T__	2085.6	___ ML	3.5 796582	FDSN GE	-- BUD	iLoc	HHZ HHZ _
(Station ML: 3.5 magdef=1 PSZ 1.18 334.6 Sn (Reading ML: 3.5 magdef=1 (Station ML: 3.5 magdef=1	03:14:12.848 0.3	T__		___	796630	FDSN GE	-- BUD	iLoc	HHN ??? _
(Station ML: 3.7 magdef=1 HU03A 1.27 326.3 Pn (Reading ML: 3.7 magdef=1 (Station ML: 3.7 magdef=1	03:13:56.990 -0.6	T__	2990.4	___ ML	3.7 796632	FDSN Z6	00 BUD	iLoc	HHZ HHZ _
(Station ML: 3.3 magdef=1 HU02A 1.27 356.3 Pn (Reading ML: 3.3 magdef=1 (Station ML: 3.3 magdef=0	03:13:56.525 -1.2	T__	1177.9	___ ML	3.3 796583	FDSN Z6	00 BUD	iLoc	HHZ HHZ _
(Station ML: 3.5 magdef=1 BUD 1.28 300.3 Pn (Reading ML: 3.5 magdef=1 (Station ML: 3.5 magdef=1	03:13:56.870 -0.8	T__	2016.5	___ ML	3.5 796631	FDSN HU	-- BUD	iLoc	HHZ HHZ _
(Station ML: 3.6 magdef=1 A271A 1.28 284.4 Pg (Reading ML: 3.6 magdef=1 (Station ML: 3.6 magdef=1	03:13:59.881 0.1	T__	2473.4	___ ML	3.6 796616	FDSN Z6	00 BUD	iLoc	HHZ HHZ _
(Station ML: 3.6 magdef=1 A271A 1.28 284.4 Lg (Reading ML: 3.6 magdef=1 (Station ML: 3.6 magdef=1	03:14:17.994 -0.4	T__		___	796617	FDSN Z6	00 BUD	iLoc	HHN ??? _
(Station ML: 3.6 magdef=1 CP17A 1.37 356.2 Pn (Reading ML: 3.6 magdef=1 (Station ML: 3.6 magdef=1	03:13:58.322 -0.7	T__	2422.6	___ ML	3.6 796586	FDSN Z6	00 BUD	iLoc	HHZ HHZ _

BZS	1.41	151.1	Pn	03:13:58.643	-0.9	T__	451.7	___	ML	2.9	796584	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 2.9 magdef=1)																			
(Station ML: 2.9 magdef=0)																			
DRGR	1.42	91.7	Pn	03:13:58.837	-0.9	T__	863.3	___	ML	3.2	796585	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	1.42	91.7	Sn	03:14:17.795	-0.6	T__		___			796571	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Reading ML: 3.2 magdef=1)																			
(Station ML: 3.2 magdef=0)																			
HU07A	1.42	36.8	Lg	03:14:21.879	0.6	T__		___			796618	FDSN	Z6	00	BUD	iLoc	HNN	???	_
HU10A	1.49	312.5	Pn	03:14:00.960	0.3	T__	1585.9	___	ML	3.5	796633	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.5 magdef=1)																			
(Station ML: 3.5 magdef=1)																			
A267A	1.49	274.4	Pn	03:14:00.088	-0.5	T__	2017.7	___	ML	3.6	796588	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A267A	1.49	274.4	Lg	03:14:24.443	-0.5	T__		___			796634	FDSN	Z6	00	BUD	iLoc	HNN	???	_
(Reading ML: 3.6 magdef=1)																			
(Station ML: 3.6 magdef=1)																			
CP16A	1.49	357.2	Pn	03:14:00.252	-0.4	T__	1268.8	___	ML	3.4	796589	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.4 magdef=1)																			
(Station ML: 3.4 magdef=1)																			
ABAH	1.50	15.3	Pn	03:13:59.410	-1.4	T__	1201.9	___	ML	3.4	796590	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	1.50	15.3	Sn	03:14:22.245	2.0	T__		___			796570	FDSN	HU	--	BUD	iLoc	HNN	???	_
(Reading ML: 3.4 magdef=1)																			
(Station ML: 3.4 magdef=1)																			
MORH	1.52	246.0	Pn	03:13:59.708	-1.4	T__	854.4	___	ML	3.3	796587	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	1.52	246.0	Lg	03:14:24.574	-0.8	T__		___			796619	FDSN	HU	--	BUD	iLoc	HNN	???	_
(Reading ML: 3.3 magdef=1)																			
(Station ML: 3.3 magdef=0)																			
KECS	1.64	356.2	Pn	03:14:02.543	-0.1	T__	1474.5	___	ML	3.6	796592	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Reading ML: 3.6 magdef=1)																			
(Station ML: 3.6 magdef=1)																			
A266A	1.67	259.6	Pn	03:14:02.475	-0.7	T__	2410.9	___	ML	3.8	796591	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.8 magdef=1)																			
(Station ML: 3.8 magdef=0)																			
CSKK	1.71	288.3	Pn	03:14:02.997	-0.7	T__	1735.3	___	ML	3.7	796569	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.7 magdef=1)																			
(Station ML: 3.7 magdef=1)																			
HU09A	1.73	297.8	Pn	03:14:04.253	0.3	T__	1766.5	___	ML	3.7	796635	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.7 magdef=1)																			
(Station ML: 3.7 magdef=1)																			
FRGS	1.79	199.3	Pg	03:14:08.159	0.2	T__	889.8	___	ML	3.4	796636	FDSN	SJ	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 3.4 magdef=1)																			
(Station ML: 3.4 magdef=1)																			
TRPA	1.81	44.4	Pg	03:14:08.375	-0.9	T__	659.3	___	ML	3.3	796637	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.3 magdef=1)																			
(Station ML: 3.3 magdef=1)																			
DEV	1.84	121.0	Pn	03:14:05.271	-0.1	T__	608.2	___	ML	3.3	796593	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 3.3 magdef=1)																			
(Station ML: 3.3 magdef=1)																			
SRD	1.86	302.0	Pn	03:14:06.136	0.5	T__	4956.5	___	ML	4.2	796594	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
SRD	1.86	302.0	Sn	03:14:30.491	1.4	T__		___			796638	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Reading ML: 4.2 magdef=1)																			
(Station ML: 4.2 magdef=0)																			
TIH	1.89	272.5	Sn	03:14:30.069	0.2	T__		___			796639	FDSN	HU	--	BUD	iLoc	HNN	???	_
KOVH	1.92	247.5	Pg	03:14:10.440	-0.9	T__	679.9	___	ML	3.4	796621	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_

KOVH	1.92	247.5	Lg	03:14:37.874	0.4	T__			796620	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 3.4 magdef=1)																			
(Station ML: 3.4 magdef=1)																			
HU08A	1.95	288.3	Pn	03:14:07.091	0.2	T__	750.8	---	ML	3.5	796595	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU08A	1.95	288.3	Lg	03:14:39.018	-1.1	T__		---				FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 3.5 magdef=1)																			
(Station ML: 3.5 magdef=1)																			
A265A	2.01	258.8	Pg	03:14:12.727	-0.5	T__	1396.2	---	ML	3.8	796640	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A265A	2.01	258.8	Lg	03:14:41.738	1.3	T__		---				FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 3.8 magdef=1)																			
(Station ML: 3.8 magdef=0)																			
GZR	2.08	133.8	Pn	03:14:08.694	-0.1	T__	307.5	---	ML	3.1	796596	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.1 magdef=1)																			
(Station ML: 3.1 magdef=0)																			
BMR	2.11	66.0	Pg	03:14:13.881	-1.0	T__	1291.1	---	ML	3.8	796642	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BMR	2.11	66.0	Lg	03:14:44.285	1.9	T__		---				FDSN	RO	--	BUD	iLoc	HHN	???	_
(Reading ML: 3.8 magdef=1)																			
(Station ML: 3.8 magdef=0)																			
EGYH	2.33	285.2	Pn	03:14:13.910	1.7	T__	519.9	---	ML	3.5	796597	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.5 magdef=1)																			
(Station ML: 3.5 magdef=1)																			
KOLS	2.35	27.1	Pg	03:14:19.573	0.5	T__		---				FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	2.35	27.1	Lg	03:14:52.111	1.6	T__		---				FDSN	SK	--	BUD	iLoc	HHN	???	_
(Reading ML: 3.7 magdef=1)																			
(Station ML: 3.7 magdef=1)																			
A264A	2.42	254.6	Pg	03:14:20.626	-0.2	T__	747.3	---	ML	3.7	796644	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.7 magdef=1)																			
(Station ML: 3.7 magdef=1)																			
NIE	2.58	354.9	Pn	03:14:16.596	0.9	T__	95.8	---	ML	2.9	796599	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 2.9 magdef=1)																			
(Station ML: 2.9 magdef=0)																			
LOT	2.58	121.8	Pn	03:14:15.700	-0.1	T__	599.0	---	ML	3.7	796598	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.7 magdef=1)																			
(Station ML: 3.7 magdef=1)																			
MODS	2.74	305.0	Pn	03:14:17.895	0.0	T__		---				FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	2.75	300.5	Pn	03:14:18.167	0.2	T__		---				FDSN	SK	--	BUD	iLoc	HHZ	???	_
(Reading ML: 3.8 magdef=1)																			
(Station ML: 3.8 magdef=0)																			
A262A	2.83	271.7	Pn	03:14:20.076	1.0	T__	563.8	---	ML	3.8	796602	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.8 magdef=1)																			
(Station ML: 3.8 magdef=0)																			
JAVC	2.84	316.1	Pn	03:14:19.745	0.5	T__	158.2	---	ML	3.3	796603	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.3 magdef=1)																			
(Station ML: 3.3 magdef=0)																			
SOP	2.91	288.1	Pn	03:14:20.086	-0.0	T__	278.4	---	ML	3.6	796604	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.6 magdef=1)																			
(Station ML: 3.6 magdef=1)																			
RONA	3.08	287.6	Pn	03:14:22.376	-0.2	T__		---				FDSN	OE	--	BUD	iLoc	HHZ	???	_
OJC	3.42	350.8	Pn	03:14:27.799	0.7	T__	84.8	---	ML	3.3	796607	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 3.3 magdef=1)																			
(Station ML: 3.3 magdef=1)																			
CONA	3.43	290.1	Pn	03:14:27.154	-0.2	T__	100.4	---	ML	3.4	796606	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.4 magdef=1)																			
(Station ML: 3.4 magdef=1)																			
ARSA	3.53	278.4	Pn	03:14:28.951	0.3	T__	113.1	---	ML	3.5	796608	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.5 magdef=1)																			
(Station ML: 3.5 magdef=1)																			

MORC	3.59	325.8	Pn	03:14:29.575	0.1	T__	63.8	___	ML	3.3	796609	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.3 magdef=1)																			
(Station ML: 3.3 magdef=1)																			
KRUC	3.61	309.3	Pn	03:14:29.600	-0.2	T__	55.0	___	ML	3.2	796610	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.2 magdef=1)																			
(Station ML: 3.2 magdef=0)																			
VRAC	3.66	313.6	Pn	03:14:30.452	-0.1	T__	58.5	___	ML	3.3	796611	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.3 magdef=1)																			
(Station ML: 3.3 magdef=0)																			

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/20	03:19:53.60	0.79	1.01	46.8684	20.6859	4.1	3.9	91	10.1	8.1	22	16	59	0.18	2.33	ke	BUD	19004352	BUD			115

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.2	10 BUD	19004352

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU06A	0.18	207.6	Pg	03:19:57.574	-0.4					T__		374.9		___	ML	1.4	797086	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.18	207.6	Lg	03:20:01.398	0.2					T__				---		797100	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=0)																									
HU24A	0.33	82.5	Pg	03:20:01.014	0.2					T__		259.1		___	ML	1.6	797101	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
HU12A	0.33	17.0	Pg	03:20:00.852	-0.1					T__		143.0		___	ML	1.4	797087	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=0)																									
BSZH	0.52	326.6	Pg	03:20:04.998	0.2					T__		141.6		___	ML	1.9	797102	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
HU14A	0.59	225.0	Pg	03:20:05.808	-0.0					T__		190.8		___	ML	2.1	797088	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU14A	0.59	225.0	Lg	03:20:15.541	0.8					T__				---		797090	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=0)																									
HU23A	0.83	339.1	Pg	03:20:10.513	-0.3					T__		158.0		___	ML	2.2	797103	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.83	339.1	Lg	03:20:24.105	2.0					T__				---		797104	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=0)																									
HU21A	0.85	231.3	Lg	03:20:23.180	-0.4					T__				---		797091	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU04B	0.86	266.8	Pg	03:20:10.519	-0.6					T__		97.9		___	ML	2.0	797089	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU04B	0.86	266.8	Lg	03:20:23.339	-0.6					T__				---		797092	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
HU01A	0.87	303.6	Pn	03:20:11.233	-0.6					T__		76.2		___	ML	1.9	797093	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU01A	0.87	303.6	Lg	03:20:23.915	0.1					T__				---		797105	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
PSZ	1.18	333.2	Sn	03:20:32.461	0.1					T__				---		797097	FDSN	GE	--	BUD	iLoc	HHN	???	_	
HU02A	1.26	355.1	Pn	03:20:17.237	-0.1					T__		29.8		___	ML	1.7	797106	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
DRGR	1.39	92.4	Pn	03:20:18.505	-0.6					T__		30.0		___	ML	1.8	797107	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_



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DRGR  1.39 92.4 Sn      03:20:37.319 -0.3      T__      ---      797098      FDSN RO      -- BUD  iLoc  HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
BZS   1.41 152.4 Lg     03:20:39.199  0.3      T__      ---      797099      FDSN RO      -- BUD  iLoc  HHN ??? _
MORH  1.55 245.9 Sn     03:20:43.651  2.2      T__      ---      797094      FDSN HU      -- BUD  iLoc  HHN ??? _
KOVH  1.95 247.4 Lg     03:20:57.290 -0.7      T__      ---      797095      FDSN HU      -- BUD  iLoc  HHN ??? _
KOLS  2.33  26.7 Lg     03:21:11.669  2.5      T__      ---      797096      FDSN SK      -- BUD  iLoc  HHN ??? _

```

```

Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author      OrigID      Rep  DPdep  Err Sgp
2023/08/20 04:08:06.79  0.84  0.59  47.7002  16.0224  3.9   3.6 170  6.0  10.1  29   19 113  0.19  1.91  ke BUD      19004354    BUD                126

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Magnitude  Err Nsta Author      OrigID
ML         2.0 0.2   8 BUD      19004354

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Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh  ACh L
RONA  0.19  90.1 Pg      04:08:10.982  0.1      T__      ---      1275129  FDSN OE      -- BUD  iLoc  HHZ ??? _
RONA  0.19  90.1 Lg      04:08:13.995  0.3      T__      ---      1275128  FDSN OE      -- BUD  iLoc  HHN ??? _
CONA  0.25 334.7 Pg      04:08:12.145  0.0      T__      281.1  --- ML  1.5 1275126  FDSN OE      -- BUD  iLoc  HHZ HHZ _
CONA  0.25 334.7 Lg      04:08:16.295  0.5      T__      ---      1275127  FDSN OE      -- BUD  iLoc  HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=0
SOP   0.36 92.5 Pg      04:08:14.180  0.0      T__      212.7  --- ML  1.6 1275130  FDSN HU      -- BUD  iLoc  HHZ HHZ _
SOP   0.36 92.5 Lg      04:08:19.176 -0.0      T__      ---      1275131  FDSN HU      -- BUD  iLoc  HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
ARSA  0.56 217.1 Pg      04:08:17.220 -0.5      T__      264.1  --- ML  2.2 1275133  FDSN OE      -- BUD  iLoc  HHZ HHZ _
ARSA  0.56 217.1 Lg      04:08:24.436 -0.5      T__      ---      1275132  FDSN OE      -- BUD  iLoc  HHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=0
A260A 0.62 131.7 Pg      04:08:19.202 -0.1      T__      242.1  --- ML  2.2 1275134  FDSN Z6      00 BUD  iLoc  HHZ HHZ _
A260A 0.62 131.7 Lg      04:08:28.136  0.5      T__      ---      1275135  FDSN Z6      00 BUD  iLoc  HHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
ZST   0.88 55.3 Lg      04:08:36.422 -0.8      T__      101.7  ---      1275140  FDSN SK      -- BUD  iLoc  HHN ??? _
A262A 0.90 157.5 Pg      04:08:24.753  0.2      T__      --- ML  2.0 1275138  FDSN Z6      00 BUD  iLoc  HHZ HHZ _
A262A 0.90 157.5 Sn      04:08:38.894  0.5      T__      ---      1275139  FDSN Z6      00 BUD  iLoc  HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
MODS  1.08 50.9 Pn      04:08:27.528 -0.4      T__      ---      1275136  FDSN SK      -- BUD  iLoc  HHZ ??? _
MODS  1.08 50.9 Sn      04:08:43.189 -0.4      T__      ---      1275141  FDSN SK      -- BUD  iLoc  HHN ??? _
MPLH  1.16 116.7 Sn      04:08:44.986  0.1      T__      ---      1275142  FDSN HU      -- BUD  iLoc  HHN ??? _
KOGS  1.26 172.8 Sn      04:08:48.105  0.9      T__      ---      1275143  FDSN SL      -- BUD  iLoc  BHN ??? _
HU08A 1.32 101.1 Sn      04:08:48.845  0.0      T__      ---      1275144  FDSN Z6      00 BUD  iLoc  HHN ??? _
KRUC  1.39 10.2 Pn      04:08:32.180  0.1      T__      39.2   --- ML  1.9 1275137  FDSN CZ      -- BUD  iLoc  HHZ HHZ _
KRUC  1.39 10.2 Sn      04:08:49.691 -0.9      T__      ---      1275145  FDSN CZ      -- BUD  iLoc  HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
CSKK  1.55 101.7 Lg      04:08:58.969  0.4      T__      ---      1275148  FDSN HU      -- BUD  iLoc  HHN ??? _
OBKA  1.56 220.7 Pg      04:08:36.343  0.5      T__      47.0   --- ML  2.0 1275147  FDSN OE      -- BUD  iLoc  HHZ HHZ _
OBKA  1.56 220.7 Lg      04:08:57.383  0.3      T__      ---      1275146  FDSN OE      -- BUD  iLoc  HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1

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HU09A	1.60	91.3	Lg	04:08:59.603	-0.5	T__									1275151	FDSN	Z6	00	BUD	iLoc	HNN	???	_			
JAVC	1.60	42.9	Pg	04:08:37.612	-0.7	T__					55.9				---	ML	2.1	1275149	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	1.60	42.9	Lg	04:09:00.766	0.4	T__									---			1275150	FDSN	CZ	--	BUD	iLoc	HNN	???	_
(Reading ML: 2.1 magdef=1																										
(Station ML: 2.1 magdef=1																										
TREC	1.64	347.6	Sn	04:08:57.700	1.1	T__									---			1275152	FDSN	CZ	--	BUD	iLoc	HNN	???	_
VRAC	1.65	13.1	Sn	04:08:57.383	0.2	T__									---			1275153	FDSN	CZ	--	BUD	iLoc	HNN	???	_
CRES	1.91	191.9	Lg	04:09:09.964	1.4	T__									---			1275154	FDSN	SL	--	BUD	iLoc	BHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/20	04:57:01.29	0.89	0.73	46.8830	20.6715	5.8	4.1	140	13.4	8.8	11	9	67	0.19	1.47	ke	BUD	19004356	BUD			132

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.0	5 BUD	19004356

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
HU06A	0.19	202.7	Pg	04:57:05.664	-0.4					T__		359.7			---	ML	1.4	797288	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.19	202.7	Lg	04:57:10.285	0.8					T__					---			797289	FDSN	Z6	00	BUD	iLoc	HNN	???	_
(Reading ML: 1.4 magdef=1																										
(Station ML: 1.4 magdef=0																										
HU12A	0.32	19.4	Lg	04:57:14.418	0.7					T__					---			797287	FDSN	Z6	00	BUD	iLoc	HNN	???	_
HU24A	0.34	85.2	Pg	04:57:08.301	-0.5					T__		239.5			---	ML	1.6	797290	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1																										
(Station ML: 1.6 magdef=1																										
HU13A	0.45	283.7	Pg	04:57:10.800	-0.3					T__		108.8			---	ML	1.6	797291	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1																										
(Station ML: 1.6 magdef=1																										
HU04B	0.85	265.8	Pg	04:57:17.867	-0.8					T__		97.9			---	ML	2.0	797292	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.0 magdef=1																										
(Station ML: 2.0 magdef=0																										
HU21A	0.85	230.1	Pg	04:57:17.797	-0.5					T__		97.1			---	ML	2.0	797285	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU21A	0.85	230.1	Sn	04:57:31.310	0.1					T__					---			797284	FDSN	Z6	00	BUD	iLoc	HNN	???	_
(Reading ML: 2.0 magdef=1																										
(Station ML: 2.0 magdef=1																										
PSZ	1.16	333.3	Sn	04:57:39.715	0.7					T__					---			797286	FDSN	GE	--	BUD	iLoc	HNN	???	_
BZS	1.43	152.3	Lg	04:57:47.671	0.5					T__					---			797282	FDSN	RO	--	BUD	iLoc	HNN	???	_
ABAH	1.47	15.0	Lg	04:57:49.257	-0.8					T__					---			797283	FDSN	HU	--	BUD	iLoc	HNN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/20	05:44:14.07	0.90	0.56	46.8340	20.6920	6.4	4.5	136	12.9	9.3	13	11	138	0.15	1.21	ke	BUD	19004358	BUD			192

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.0	8 BUD	19004358

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
HU06A	0.15	215.1	Pg	05:44:18.092	-0.1					T__		1232.7			---	ML	1.8	797438	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.15	215.1	Lg	05:44:20.762	-0.4					T__					---			797431	FDSN	Z6	00	BUD	iLoc	HNN	???	_
(Reading ML: 1.8 magdef=1																										
(Station ML: 1.8 magdef=1																										
HU24A	0.33	76.5	Pg	05:44:21.728	0.3					T__		310.0			---	ML	1.7	797439	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_

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(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=0
HU12A 0.36 14.8 Lg 05:44:27.961 0.2 T__ --- 797433 FDSN Z6 00 BUD iLoc HHN ??? _
HU13A 0.48 289.1 Lg 05:44:31.211 -0.4 T__ --- 797434 FDSN Z6 00 BUD iLoc HHN ??? _
BSZH 0.55 328.2 Pg 05:44:26.679 0.7 T__ 259.9 --- ML 2.2 797440 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=0
HU14A 0.57 227.8 Pg 05:44:26.782 0.9 T__ 192.7 --- ML 2.1 797441 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
HU05A 0.78 22.7 Pg 05:44:30.276 0.1 T__ 153.8 --- ML 2.1 797435 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
HU21A 0.83 233.3 Pg 05:44:31.018 0.3 T__ 144.5 --- ML 2.1 797442 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
HU04B 0.86 269.1 Pg 05:44:31.339 -0.3 T__ 126.8 --- ML 2.1 797436 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
HU01A 0.89 305.3 Lg 05:44:44.592 -0.8 T__ --- 797437 FDSN Z6 00 BUD iLoc HHN ??? _
PSZ 1.21 333.7 Pn 05:44:36.525 -0.3 T__ 35.2 --- ML 1.7 797443 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 1.21 333.7 Sn 05:44:53.246 0.1 T__ --- 797432 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/20 08:59:30.35 0.81 0.75 46.8415 20.6606 5.0 3.7 165 8.9 6.4 16 11 60 0.14 1.51 ke BUD 19004360 BUD 115

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Magnitude Err Nsta Author OrigID
ML 1.9 0.2 7 BUD 19004360

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU06A 0.14 206.4 Pg 08:59:34.468 0.5 T__ 873.9 --- ML 1.6 797583 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.14 206.4 Lg 08:59:37.029 0.2 T__ --- 797582 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
HU24A 0.35 78.5 Pg 08:59:37.762 -0.2 T__ 410.1 --- ML 1.9 797574 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU24A 0.35 78.5 Lg 08:59:44.502 0.9 T__ --- 797573 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
HU12A 0.36 18.4 Pg 08:59:37.845 -0.4 T__ 521.8 --- ML 2.0 797584 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU12A 0.36 18.4 Lg 08:59:44.397 0.3 T__ --- 797585 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
HU13A 0.45 289.0 Pg 08:59:40.375 0.2 T__ 151.4 --- ML 1.7 797581 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
HU21A 0.82 232.0 Pg 08:59:46.957 0.2 T__ 131.9 --- ML 2.1 797586 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
HU04B 0.84 268.6 Pg 08:59:47.458 -0.0 T__ 130.1 --- ML 2.1 797588 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU04B 0.84 268.6 Lg 08:59:59.082 -0.6 T__ --- 797587 FDSN Z6 00 BUD iLoc HHN ??? _

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(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=0
PSZ 1.20 334.5 Pn 08:59:52.986 -0.4 T__ 27.8 --- ML 1.6 797575 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 1.20 334.5 Sn 09:00:09.334 -0.5 T__ --- 797576 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=0
HU02A 1.28 355.9 Sn 09:00:13.325 1.4 T__ --- 797577 FDSN Z6 00 BUD iLoc HHN ??? _
BZS 1.39 151.2 Lg 09:00:15.546 0.2 T__ --- 797579 FDSN R0 -- BUD iLoc HHN ??? _
DRGR 1.41 91.3 Sn 09:00:13.537 -1.5 T__ --- 797578 FDSN R0 -- BUD iLoc HHN ??? _
ABAH 1.51 14.9 Sn 09:00:17.977 0.7 T__ --- 797580 FDSN HU -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/20 09:20:41.40 0.95 0.81 46.8298 20.6702 5.6 4.6 1 10.0f 9 7 120 0.14 1.40 ke BUD 19004362 BUD 199

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Magnitude Err Nsta Author OrigID
ML 2.2 0.3 4 BUD 19004362

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU06A 0.14 211.0 Lg 09:20:47.840 0.0 T__ --- 797698 FDSN Z6 00 BUD iLoc HHN ??? _
HU24A 0.34 76.4 Pg 09:20:48.788 -0.1 T__ 484.8 --- ML 1.9 797696 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU24A 0.34 76.4 Lg 09:20:55.757 1.3 T__ --- 797697 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
HU12A 0.37 16.8 Pg 09:20:49.350 -0.1 T__ 514.7 --- ML 2.0 797699 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU12A 0.37 16.8 Lg 09:20:54.980 -0.3 T__ --- 797700 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
HU13A 0.46 290.2 Lg 09:20:58.201 -0.2 T__ --- 797701 FDSN Z6 00 BUD iLoc HHN ??? _
BSZH 0.54 329.8 Pg 09:20:54.102 0.9 T__ 377.5 --- ML 2.4 797702 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=1
HU23A 0.86 340.7 Pg 09:20:58.422 -0.9 T__ 303.0 --- ML 2.5 797703 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=1
DRGR 1.40 90.8 Sn 09:21:25.581 -0.6 T__ --- 797704 FDSN R0 -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/20 15:47:40.81 0.92 1.36 46.8425 20.5890 9.1 7.2 103 11.2 10.1 8 6 95 0.13 1.52 ke BUD 19004364 BUD 161

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU06A 0.13 186.5 Pg 15:47:44.697 0.3 T__ 570.2 --- ML 1.4 797785 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.13 186.5 Lg 15:47:47.000 -0.2 T__ --- 797786 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=0
HU12A 0.38 25.5 Lg 15:47:54.709 -0.3 T__ --- 797787 FDSN Z6 00 BUD iLoc HHN ??? _
PSZ 1.18 336.6 Sn 15:48:19.413 0.1 T__ --- 797784 FDSN GE -- BUD iLoc HHN ??? _
PSZ 1.18 336.6 Lg 15:48:19.964 -1.6 T__ --- 797780 FDSN GE -- BUD iLoc HHN ??? _
DRGR 1.46 91.2 Sn 15:48:25.118 -1.1 T__ --- 797781 FDSN R0 -- BUD iLoc HHN ??? _

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MORH	1.48	245.7	Lg	15:48:30.193	-0.6	T__									797782	FDSN	HU	--	BUD	iLoc	HHN	???	_
ABAH	1.52	16.6	Sn	15:48:29.348	1.7	T__									797783	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/20	15:49:05.00	0.90	0.98	46.8222	20.7465	5.4	3.8	126	7.0	7.7	21	15	155	0.17	2.35	ke	BUD	19004366	BUD			202

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.3	12 BUD	19004366

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU06A	0.17	228.3	Pg	15:49:09.648	0.7					T__		3169.1		___	ML	2.3	798011	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.17	228.3	Lg	15:49:11.997	0.0					T__				___		798010	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=1)																									
HU24A	0.30	72.6	Pg	15:49:11.022	-0.5					T__		664.6		___	ML	1.9	798012	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
HU12A	0.36	8.6	Pg	15:49:12.905	-0.0					T__		330.3		___	ML	1.8	798013	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
HU13A	0.52	289.0	Pg	15:49:16.819	0.8					T__		260.1		___	ML	2.1	798006	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU13A	0.52	289.0	Lg	15:49:22.461	-1.4					T__				___		798014	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
BSZH	0.58	325.7	Pg	15:49:17.897	0.5					T__		716.8		___	ML	2.7	798015	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.7 magdef=1)																									
(Station ML: 2.7 magdef=0)																									
HU14A	0.59	231.1	Pg	15:49:17.640	0.4					T__		377.2		___	ML	2.4	798016	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU14A	0.59	231.1	Lg	15:49:27.600	1.2					T__				___		798017	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=1)																									
HU21A	0.86	235.5	Pg	15:49:21.738	-0.5					T__		246.3		___	ML	2.4	798018	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=1)																									
HU23A	0.88	337.7	Lg	15:49:36.123	0.5					T__				___		798003	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU04B	0.90	269.9	Lg	15:49:35.273	-1.1					T__				___		798019	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU22A	1.22	246.7	Pn	15:49:27.545	-0.9					T__		221.2		___	ML	2.5	798007	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU22A	1.22	246.7	Sn	15:49:45.297	0.1					T__				___		798008	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.5 magdef=1)																									
(Station ML: 2.5 magdef=0)																									
PSZ	1.24	332.5	Pn	15:49:28.073	-0.8					T__		60.6		___	ML	2.0	798009	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.24	332.5	Sn	15:49:44.437	-1.4					T__				___		798020	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
HU02A	1.31	353.5	Pn	15:49:29.457	-0.3					T__		26.0		___	ML	1.6	798021	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=0)																									
ABAH	1.51	12.6	Pn	15:49:33.765	1.3					T__		37.6		___	ML	1.9	798022	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	1.51	12.6	Sn	15:49:53.977	1.5					T__				___		798004	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
MORH	1.57	248.1	Pn	15:49:33.261	-0.1					T__		28.6		___	ML	1.8	798023	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_

(Reading ML: 1.8 magdef=1  
 (Station ML: 1.8 magdef=0  
 KOLS 2.35 25.4 Lg 15:50:22.973 1.3 T\_\_ --- 798005 FDSN SK -- BUD iLoc HHN ??? \_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/08/20 18:32:02.38 0.90 0.63 46.8502 20.6858 9.9 3.8 150 9.7 10.4 11 9 118 0.16 1.39 ke BUD 19004368 BUD 134

Magnitude Err Nsta Author OrigID  
 ML 2.0 0.2 5 BUD 19004368

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L  
 HU06A 0.16 210.6 Pg 18:32:06.476 0.1 T\_\_ 1695.1 --- ML 2.0 798217 FDSN Z6 00 BUD iLoc HHZ HHZ \_  
 HU06A 0.16 210.6 Lg 18:32:08.875 -0.6 T\_\_ --- 798218 FDSN Z6 00 BUD iLoc HHN ??? \_  
 (Reading ML: 2.0 magdef=1  
 (Station ML: 2.0 magdef=1  
 HU24A 0.33 79.4 Pg 18:32:09.858 0.2 T\_\_ 365.0 --- ML 1.8 798219 FDSN Z6 00 BUD iLoc HHZ HHZ \_  
 (Reading ML: 1.8 magdef=1  
 (Station ML: 1.8 magdef=0  
 HU12A 0.35 16.1 Lg 18:32:15.867 0.3 T\_\_ --- 798220 FDSN Z6 00 BUD iLoc HHN ??? \_  
 HU13A 0.47 287.4 Lg 18:32:19.371 -0.1 T\_\_ --- 798214 FDSN Z6 00 BUD iLoc HHN ??? \_  
 HU14A 0.58 226.3 Pg 18:32:14.524 0.2 T\_\_ 223.7 --- ML 2.2 798213 FDSN Z6 00 BUD iLoc HHZ HHZ \_  
 HU14A 0.58 226.3 Lg 18:32:24.481 1.4 T\_\_ --- 798221 FDSN Z6 00 BUD iLoc HHN ??? \_  
 (Reading ML: 2.2 magdef=1  
 (Station ML: 2.2 magdef=1  
 HU04B 0.86 268.0 Lg 18:32:32.014 -0.2 T\_\_ --- 798215 FDSN Z6 00 BUD iLoc HHN ??? \_  
 HU01A 0.88 304.6 Lg 18:32:32.664 -0.3 T\_\_ --- 798222 FDSN Z6 00 BUD iLoc HHN ??? \_  
 HU22A 1.19 244.6 Pn 18:32:25.006 -0.1 T\_\_ 117.6 --- ML 2.2 798223 FDSN Z6 00 BUD iLoc HHZ HHZ \_  
 (Reading ML: 2.2 magdef=1  
 (Station ML: 2.2 magdef=0  
 DRGR 1.39 91.7 Pn 18:32:27.436 -0.5 T\_\_ 39.6 --- ML 1.9 798216 FDSN R0 -- BUD iLoc HHZ HHZ \_  
 (Reading ML: 1.9 magdef=1  
 (Station ML: 1.9 magdef=1

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/08/20 21:21:37.96 0.84 0.81 46.8387 20.6972 4.6 4.2 130 8.4 9.0 16 11 80 0.15 2.05 ke BUD 19004370 BUD 138

Magnitude Err Nsta Author OrigID  
 ML 1.9 0.1 10 BUD 19004370

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L  
 HU06A 0.15 215.2 Pg 21:21:42.116 0.3 T\_\_ 1054.4 --- ML 1.8 798380 FDSN Z6 00 BUD iLoc HHZ HHZ \_  
 HU06A 0.15 215.2 Lg 21:21:44.334 -0.4 T\_\_ --- 798389 FDSN Z6 00 BUD iLoc HHN ??? \_  
 (Reading ML: 1.8 magdef=1  
 (Station ML: 1.8 magdef=1  
 HU24A 0.32 77.2 Pg 21:21:45.451 0.4 T\_\_ 182.7 --- ML 1.5 798390 FDSN Z6 00 BUD iLoc HHZ HHZ \_  
 (Reading ML: 1.5 magdef=1  
 (Station ML: 1.5 magdef=0  
 HU12A 0.36 14.4 Pg 21:21:45.605 -0.1 T\_\_ 96.2 --- ML 1.3 798391 FDSN Z6 00 BUD iLoc HHZ HHZ \_  
 (Reading ML: 1.3 magdef=1  
 (Station ML: 1.3 magdef=0

HU13A	0.48	288.4	Pg	21:21:49.252	1.0	T__	87.6	___	ML	1.6	798387	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU13A	0.48	288.4	Lg	21:21:54.970	-0.6	T__		---			798386	FDSN	Z6	00	BUD	iLoc	HHN	???	_
BSZH	0.55	327.6	Pg	21:21:50.455	0.7	T__	198.9	___	ML	2.1	798381	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
HU14A	0.58	227.6	Pg	21:21:50.126	0.2	T__	119.8	___	ML	1.9	798392	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU21A	0.84	233.2	Pg	21:21:54.242	-0.5	T__	100.0	___	ML	2.0	798382	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU21A	0.84	233.2	Lg	21:22:07.588	0.4	T__		---			798388	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU23A	0.86	339.3	Pg	21:21:55.146	-0.7	T__	155.8	___	ML	2.2	798394	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.86	339.3	Lg	21:22:08.512	1.0	T__		---			798393	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU04B	0.86	268.8	Pg	21:21:54.450	-1.2	T__	76.6	___	ML	1.9	798395	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU04B	0.86	268.8	Lg	21:22:07.775	-0.4	T__		---			798383	FDSN	Z6	00	BUD	iLoc	HHN	???	_
MORH	1.55	247.0	Sn	21:22:27.400	1.4	T__		---			798384	FDSN	HU	--	BUD	iLoc	HHN	???	_
GZR	2.05	134.2	Pn	21:22:12.176	-0.5	T__	20.3	___	ML	1.9	798385	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/08/21	07:09:33.47	1.99	0.84	47.9456	20.4149	15.6	6.3	148	0.0f		7	5	208	0.19	0.65	sx	BUD	19004376	BUD			307	
2023/08/21	07:09:33.50	0.99	0.90	47.9590	20.3545f				0.0f		7	5	202	0.20	0.68	kx	BUD_GT	19004377	BUD_GT			309	

(locality: Eger-III Hungary)  
(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU02A	0.20	35.0	Pg	07:09:37.975	-0.2					T__		253.8		---	ML	1.3	1278753	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.20	35.0	Lg	07:09:40.222	-1.8					T__				---		1278754	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP17A	0.28	21.9	Pg	07:09:39.944	0.5					T__	168.8		---	ML	1.3	1278755	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
CP17A	0.28	21.9	Lg	07:09:44.352	0.3					T__			---			1278756	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.31	262.7	Lg	07:09:46.995	1.0					T__			---			1278758	FDSN	GE	--	BUD	iLoc	HHN	???	_	
KECS	0.53	9.4	Lg	07:09:52.493	0.0					T__			---			1278757	FDSN	SK	--	BUD	iLoc	EHN	???	_	
ABAH	0.68	60.0	Lg	07:09:57.991	-0.7					T__			---			1278759	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/08/21	07:20:03.83	1.06	0.85	47.9587	16.0760	6.6	4.7	26	0.0f		6	3	139	0.15	1.12	sx	BUD	19004378	BUD					252

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.15	258.1	Pg	07:20:06.832	-0.2					T__		183.9		---	ML	1.0	1278778	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.15	258.1	Lg	07:20:09.634	0.3					T__				---		1278779	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
RONA	0.30	150.1	Pg	07:20:09.845	-0.2					T__				---		1278780	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.30	150.1	Lg	07:20:14.603	0.3					T__				---		1278781	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.12	10.8	Pg	07:20:26.339	0.9					T__		26.6		---	ML	1.5	1278783	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.12	10.8	Lg	07:20:41.008	-1.0					T__				---		1278782	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/21	08:12:22.83	2.70	1.11	48.6353	20.8314	15.7	7.9	14	0.0f	8	5	264	0.28	0.55	---	sx	BUD	19004380	BUD			325

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.1	3 BUD	19004380

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KECS	0.28	236.6	Pg	08:12:28.579	0.1					T__		478.2		---	ML	1.7	1278828	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.28	236.6	Lg	08:12:32.187	-0.7					T__				---		1278827	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
CP16A	0.35	213.6	Pg	08:12:31.116	1.1					T__		109.6		---	ML	1.3	1278826	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.35	213.6	Lg	08:12:36.165	0.7					T__				---		1278825	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
ABAH	0.43	141.2	Lg	08:12:39.039	-0.2					T__				---		1278829	FDSN	HU	--	BUD	iLoc	HHN	???	_	
CP17A	0.47	207.2	Pg	08:12:31.585	-0.8					T__		64.0		---	ML	1.4	1278824	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.47	207.2	Lg	08:12:39.991	0.4					T__				---		1278823	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
HU02A	0.55	201.8	Lg	08:12:41.497	-1.7					T__				---		1278822	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/21	08:22:33.03	1.33	1.24	48.4999	17.5639	12.9	3.4	120	0.0f	11	7	156	0.23	1.27	---	sx	BUD	19004382	BUD			220

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.23	236.6	Pg	08:22:37.400	-0.8					T__				---		1278855	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.23	236.6	Lg	08:22:40.889	-1.5					T__				---		1278861	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.37	11.1	Pg	08:22:40.969	0.1					T__		105.4		---	ML	1.3	1278857	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.37	11.1	Lg	08:22:46.017	-1.1					T__				---		1278862	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
ZST	0.43	225.5	Lg	08:22:49.215	0.2					T__				---		1278856	FDSN	SK	--	BUD	iLoc	HHN	???	_	



KRUC	0.96	306.5	Lg	08:23:06.343	0.9	T__									1278858	FDSN	CZ	--	BUD	iLoc	HHN	???	_
HU08A	1.10	167.1	Sn	08:23:11.920	0.1	T__									1278863	FDSN	Z6	00	BUD	iLoc	HHN	???	_
RONA	1.17	227.2	Pg	08:22:56.405	0.3	T__									1278860	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	1.17	227.2	Lg	08:23:13.850	2.6	T__									1278859	FDSN	OE	--	BUD	iLoc	HHN	???	_
CONA	1.27	244.0	Pn	08:22:57.647	-0.2	T__				30.9					1278865	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	1.27	244.0	Lg	08:23:15.356	0.8	T__									1278864	FDSN	OE	--	BUD	iLoc	HHN	???	_

(Reading ML: 1.7 magdef=1  
 (Station ML: 1.7 magdef=1)

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/21	08:49:56.10	1.21	0.89	47.5954	16.3808	7.7	4.5	176	0.0f		9	6	185	0.12	1.47	sx	BUD	19004384	BUD			260

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.12	331.3	Pg	08:49:58.731	-0.1					T__						1278890	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.12	331.3	Lg	08:50:01.321	0.4					T__						1278889	FDSN	OE	--	BUD	iLoc	HHN	???	_	
SOP	0.15	53.7	Pg	08:49:59.841	0.4					T__		139.8			ML	0.9	1278891	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.15	53.7	Lg	08:50:02.378	0.4					T__						1278892	FDSN	HU	--	BUD	iLoc	HHN	???	_	

(Reading ML: 0.9 magdef=1  
 (Station ML: 0.9 magdef=1)

CONA	0.48	313.8	Pg	08:50:06.185	0.4					T__		49.8			ML	1.3	1278888	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.48	313.8	Lg	08:50:12.845	0.5					T__						1278887	FDSN	OE	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.3 magdef=1  
 (Station ML: 1.3 magdef=1)

ARSA	0.68	239.7	Lg	08:50:17.022	-0.7					T__						1278893	FDSN	OE	--	BUD	iLoc	HHN	???	_
MODS	0.98	37.4	Lg	08:50:29.497	-1.8					T__						1278894	FDSN	SK	--	BUD	iLoc	HHN	???	_
KRUC	1.47	0.4	Sn	08:50:43.348	0.2					T__						1278895	FDSN	CZ	--	BUD	iLoc	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/21	09:49:20.49	1.37	0.53	47.2337	18.3343	8.5	5.8	100	0.0f		8	6	163	0.14	1.16	sx	BUD	19004386	BUD			189
2023/08/21	09:49:20.81	0.96	0.65	47.2302	18.2835f				0.0f		8	6	156	0.13	1.15	kx	BUD_GT	19004387	BUD_GT			177

(locality: Iszkaszentgyörgy Hungary)  
 (GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.13	353.3	Pg	09:49:23.775	-0.4					T__		355.8			ML	1.2	1278916	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.13	353.3	Lg	09:49:26.365	-0.9					T__						1278917	FDSN	HU	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.2 magdef=1  
 (Station ML: 1.2 magdef=0)

HU08A	0.32	309.6	Pg	09:49:27.859	0.2					T__		69.7			ML	1.0	1278920	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU08A	0.32	309.6	Lg	09:49:34.559	1.2					T__						1278919	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

(Reading ML: 1.0 magdef=1  
 (Station ML: 1.0 magdef=0)

HU09A	0.41	9.3	Lg	09:49:36.859	0.0					T__						1278918	FDSN	Z6	00	BUD	iLoc	HHN	???	_
MPLH	0.51	263.5	Lg	09:49:40.070	0.6					T__						1278921	FDSN	HU	--	BUD	iLoc	HHN	???	_
MORH	1.05	166.2	Lg	09:49:56.431	-0.4					T__						1278922	FDSN	HU	--	BUD	iLoc	HHN	???	_
KOVH	1.15	186.4	Sn	09:50:00.132	-0.1					T__						1278923	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/21	11:12:18.48	1.21	2.50	47.9744	16.0129	8.1	4.8	10	0.0f	5	3	132	0.11	1.12	sx	BUD	19004388	BUD				259

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.11	245.6	Pg	11:12:21.607	0.6					T__		49.0		---	ML	0.3	1278943	FDSN	OE	--	BUD	iLoc	HHN	HHZ	_
CONA	0.11	245.6	Lg	11:12:22.136	-0.7					T__				---		1278940	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.3 magdef=1)																									
(Station ML: 0.3 magdef=0)																									
RONA	0.33	145.1	Pg	11:12:26.894	1.5					T__				---		1278944	FDSN	OE	--	BUD	iLoc	HHN	???	_	
RONA	0.33	145.1	Lg	11:12:27.317	-2.8					T__				---		1278941	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.12	13.0	Lg	11:12:55.110	-1.3					T__				---		1278942	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/08/21	11:24:09.91	0.65	1.03	46.8503	20.7061	4.0	3.3	142	10.0f	33	23	62	0.17	2.05	ke	BUD	19004390	BUD					80

Magnitude	Err	Nsta	Author	OrigID
ML	2.2	0.1	16 BUD	19004390

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU06A	0.17	214.6	Pg	11:24:14.341	0.3					T__		3065.7		---	ML	2.3	798562	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.17	214.6	Lg	11:24:16.874	-0.4					T__				---		798585	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=1)																									
HU24A	0.32	79.0	Pg	11:24:17.658	0.8					T__		1551.0		---	ML	2.4	798564	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=1)																									
HU12A	0.34	13.9	Pg	11:24:17.592	0.1					T__		850.7		---	ML	2.2	798563	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU12A	0.34	13.9	Lg	11:24:24.184	1.2					T__				---		798586	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
HU13A	0.48	286.9	Pg	11:24:19.664	-0.7					T__		265.5		---	ML	2.1	798587	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU13A	0.48	286.9	Lg	11:24:26.932	-0.6					T__				---		798588	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=0)																									
BSZH	0.54	326.4	Pg	11:24:21.544	-0.0					T__		701.0		---	ML	2.6	798565	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.6 magdef=1)																									
(Station ML: 2.6 magdef=0)																									
HU14A	0.59	227.2	Pg	11:24:22.455	0.4					T__		522.3		---	ML	2.5	798566	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU14A	0.59	227.2	Lg	11:24:32.123	1.1					T__				---		798569	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.5 magdef=1)																									
(Station ML: 2.5 magdef=0)																									
HU23A	0.85	338.7	Lg	11:24:40.819	1.8					T__				---		798570	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU21A	0.85	232.8	Pg	11:24:26.599	-0.3					T__		381.8		---	ML	2.6	798571	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU21A	0.85	232.8	Lg	11:24:39.365	-0.5					T__				---		798572	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.6 magdef=1)																									
(Station ML: 2.6 magdef=0)																									
HU04B	0.87	268.1	Sn	11:24:39.709	-1.7					T__				---		798573	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

HU01A	0.89	304.1	Lg	11:24:40.409	-0.4	T__									798584	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
LTVH	0.98	56.3	Pg	11:24:28.841	-0.6	T__	304.5	---	ML	2.5	798589	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	--	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 2.5 magdef=1)																							
	(Station ML: 2.5 magdef=1)																							
A272A	1.20	265.6	Sn	11:24:50.148	0.6	T__									798590	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	1.20	333.0	Pn	11:24:31.687	-1.5	T__	100.9	---	ML	2.2	798583	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.20	333.0	Sn	11:24:48.497	-1.3	T__									798582	FDSN	GE	--	BUD	iLoc	HHN	???	_	
	(Reading ML: 2.2 magdef=1)																							
	(Station ML: 2.2 magdef=1)																							
HU02A	1.28	354.6	Pn	11:24:34.647	0.4	T__	44.9	---	ML	1.9	798567	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	--	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 1.9 magdef=1)																							
	(Station ML: 1.9 magdef=0)																							
HU03A	1.29	324.9	Sn	11:24:52.398	0.5	T__									798591	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A271A	1.32	284.0	Sn	11:24:53.787	1.4	T__									798593	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
DRGR	1.38	91.7	Pn	11:24:34.700	-0.9	T__	108.3	---	ML	2.3	798568	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	--	BUD	iLoc	HHZ	HHZ	_
DRGR	1.38	91.7	Lg	11:24:54.515	-0.5	T__									798592	FDSN	RO	--	BUD	iLoc	HHN	???	_	
	(Reading ML: 2.3 magdef=1)																							
	(Station ML: 2.3 magdef=1)																							
BZS	1.39	152.5	Pn	11:24:34.898	-0.7	T__	60.9	---	ML	2.1	798574	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	--	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 2.1 magdef=1)																							
	(Station ML: 2.1 magdef=0)																							
ABAH	1.49	13.8	Pg	11:24:38.903	-0.5	T__	79.9	---	ML	2.2	798575	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	--	BUD	iLoc	HHZ	HHZ	_
ABAH	1.49	13.8	Lg	11:24:59.446	0.0	T__									798594	FDSN	HU	--	BUD	iLoc	HHN	???	_	
	(Reading ML: 2.2 magdef=1)																							
	(Station ML: 2.2 magdef=1)																							
MORH	1.56	246.7	Pn	11:24:38.480	0.5	T__	50.1	---	ML	2.1	798576	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	--	BUD	iLoc	HHZ	HHZ	_
MORH	1.56	246.7	Sn	11:24:59.942	1.6	T__									798577	FDSN	HU	--	BUD	iLoc	HHN	???	_	
	(Reading ML: 2.1 magdef=1)																							
	(Station ML: 2.1 magdef=1)																							
HU09A	1.77	297.3	Sn	11:25:06.101	2.5	T__									798579	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
TRPA	1.78	43.5	Pg	11:24:43.502	-1.1	T__	44.4	---	ML	2.1	798578	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	--	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 2.1 magdef=1)																							
	(Station ML: 2.1 magdef=1)																							
GZR	2.05	134.6	Pn	11:24:44.704	-0.1	T__	62.7	---	ML	2.4	798580	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	--	BUD	iLoc	HHZ	HHZ	_
GZR	2.05	134.6	Sn	11:25:09.220	-1.4	T__									798581	FDSN	RO	--	BUD	iLoc	HHN	???	_	
	(Reading ML: 2.4 magdef=1)																							
	(Station ML: 2.4 magdef=1)																							

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/21	17:40:11.12	0.67	0.76	46.8474	20.6895	3.2	2.7	157	8.5	4.7	39	25	59	0.11	2.05	ke	BUD	19004394	BUD			77

Magnitude	Err	Nsta	Author	OrigID
ML	2.7	0.3	18 BUD	19004394

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
STMP1	0.11	111.3	Pg	17:40:14.099	-0.1					T__		5413.9		_d	ML	2.3	799155	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
STMP1	0.11	111.3	Lg	17:40:16.859	0.2					T__				---		799137	FDSN	HU	--	BUD	iLoc	HHN	???	_	
	(Reading ML: 2.3 magdef=1)																								
	(Station ML: 2.3 magdef=1)																								
HU06A	0.16	211.9	Pg	17:40:15.159	0.1					T__	7849.5		---	ML	2.6	799156	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU06A	0.16	211.9	Lg	17:40:17.463	-0.6					T__				---		799138	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
	(Reading ML: 2.6 magdef=1)																								

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(Station ML: 2.6 magdef=1
STMP2 0.21 300.1 Pg 17:40:15.629 -0.3 T__ 6909.3 --- ML 2.7 799157 FDSN HU -- BUD iLoc HHZ HHZ _
STMP2 0.21 300.1 Lg 17:40:19.938 0.3 T__ --- 799152 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 2.7 magdef=1
(Station ML: 2.7 magdef=1
HU24A 0.33 78.9 Pg 17:40:18.177 -0.1 T__ 3226.5 --- ML 2.7 799158 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU24A 0.33 78.9 Lg 17:40:22.994 -0.8 T__ --- 799139 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.7 magdef=1
(Station ML: 2.7 magdef=1
HU12A 0.35 15.6 Pg 17:40:18.420 -0.3 T__ 1117.3 --- ML 2.3 799159 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU12A 0.35 15.6 Lg 17:40:25.006 0.5 T__ --- 799140 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=0
HU13A 0.47 287.6 Pg 17:40:20.517 -0.8 T__ 718.1 --- ML 2.5 799160 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU13A 0.47 287.6 Lg 17:40:27.902 -0.6 T__ --- 799153 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=1
BSZH 0.54 327.6 Pg 17:40:22.502 -0.2 T__ 1664.8 --- ML 3.0 799161 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 3.0 magdef=1
(Station ML: 3.0 magdef=0
HU14A 0.58 226.7 Pg 17:40:23.217 0.1 T__ 1423.1 --- ML 3.0 799162 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU14A 0.58 226.7 Lg 17:40:32.231 0.3 T__ --- 799141 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 3.0 magdef=1
(Station ML: 3.0 magdef=0
HU21A 0.84 232.5 Lg 17:40:40.277 -0.0 T__ --- 799142 FDSN Z6 00 BUD iLoc HHN ??? _
HU23A 0.85 339.4 Pg 17:40:27.960 -0.8 T__ 526.5 --- ML 2.7 799163 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU23A 0.85 339.4 Lg 17:40:41.484 1.1 T__ --- 799143 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.7 magdef=1
(Station ML: 2.7 magdef=1
HU04B 0.86 268.2 Pg 17:40:27.368 -1.3 T__ 734.3 --- ML 2.8 799164 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU04B 0.86 268.2 Lg 17:40:40.620 -0.5 T__ --- 799154 FDSN Z6 00 BUD iLoc HHE ??? _
(Reading ML: 2.8 magdef=1
(Station ML: 2.8 magdef=1
HU01A 0.88 304.6 Lg 17:40:41.417 -0.5 T__ --- 799144 FDSN Z6 00 BUD iLoc HHN ??? _
LTVH 0.99 56.5 Pg 17:40:31.077 0.1 T__ 744.8 --- ML 2.9 799165 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 2.9 magdef=1
(Station ML: 2.9 magdef=1
A272A 1.19 265.7 Sn 17:40:51.189 0.9 T__ --- 799147 FDSN Z6 00 BUD iLoc HHN ??? _
HU22A 1.19 244.8 Pn 17:40:33.706 -0.3 T__ 1122.8 --- ML 3.2 799145 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU22A 1.19 244.8 Sn 17:40:51.340 0.9 T__ --- 799146 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 3.2 magdef=1
(Station ML: 3.2 magdef=0
PSZ 1.20 333.5 Sn 17:40:50.120 -0.6 T__ --- 799170 FDSN GE -- BUD iLoc HHN ??? _
HU02A 1.28 355.1 Pn 17:40:34.925 -0.4 T__ 109.6 --- ML 2.3 799148 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 1.28 355.1 Sn 17:40:52.598 -0.1 T__ --- 799166 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=0
BUD 1.30 299.9 Sn 17:40:53.610 0.5 T__ --- 799167 FDSN HU -- BUD iLoc HHN ??? _
A271A 1.31 284.3 Pn 17:40:37.209 1.6 T__ 349.7 --- ML 2.8 799150 FDSN Z6 00 BUD iLoc HHZ HHZ _
A271A 1.31 284.3 Sn 17:40:54.709 1.5 T__ --- 799149 FDSN Z6 00 BUD iLoc HHN ??? _
A271A 1.31 284.3 Lg 17:40:54.849 -1.1 T__ --- 799168 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.8 magdef=1
(Station ML: 2.8 magdef=1

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BZS 1.39 152.1 Pn 17:40:35.708 -1.0 T__ 54.1 ___ ML 2.0 799134 FDSN RO -- BUD iLoc BHZ BHZ _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=0
DRGR 1.39 91.6 Sn 17:40:55.037 -0.3 T__ ___ 799169 FDSN RO -- BUD iLoc BHN ??? _
HU07A 1.41 35.8 Lg 17:40:58.733 0.7 T__ ___ 799151 FDSN Z6 00 BUD iLoc HHN ??? _
ABAH 1.50 14.2 Pn 17:40:39.240 1.0 T__ 126.2 ___ ML 2.4 799133 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 1.50 14.2 Sn 17:40:59.257 1.4 T__ ___ 799132 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=1
MORH 1.55 246.6 Pn 17:40:39.063 0.2 T__ 111.1 ___ ML 2.4 799135 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=1
GZR 2.05 134.3 Pn 17:40:45.513 -0.4 T__ 48.7 ___ ML 2.3 799136 FDSN RO -- BUD iLoc BHZ BHZ _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/21 17:55:37.38 1.24 0.36 46.2238 18.5068 5.9 3.7 165 7.9 12.9 8 4 149 0.10 0.45 ke BUD 19004396 BUD 235

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Magnitude Err Nsta Author OrigID
ML 1.1 0.4 4 BUD 19004396

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
MORH 0.10 95.3 Pg 17:55:40.100 0.1 T__ 235.3 ___ ML 0.9 1279832 FDSN HU -- BUD iLoc HHZ HHZ _
MORH 0.10 95.3 Lg 17:55:41.972 -0.1 T__ ___ 1279833 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=1
KOVH 0.31 244.5 Pg 17:55:44.068 0.0 T__ 42.9 ___ ML 0.8 1279830 FDSN HU -- BUD iLoc HHZ HHZ _
KOVH 0.31 244.5 Lg 17:55:48.752 0.0 T__ ___ 1279834 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 0.8 magdef=1
(Station ML: 0.8 magdef=1
A266A 0.35 331.0 Pg 17:55:44.649 0.1 T__ 115.5 ___ ML 1.3 1279829 FDSN Z6 00 BUD iLoc HHZ HHZ _
A266A 0.35 331.0 Lg 17:55:49.871 -0.0 T__ ___ 1279835 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
HU22A 0.45 76.2 Pg 17:55:46.736 0.3 T__ 161.5 ___ ML 1.7 1279836 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU22A 0.45 76.2 Lg 17:55:53.160 -0.6 T__ ___ 1279831 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/21 19:47:30.46 1.01 0.82 46.8639 20.6816 5.4 3.7 27 10.0f 6 3 180 0.12 0.19 ke BUD 19004398 BUD 270

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Magnitude Err Nsta Author OrigID
ML 1.1 0.2 3 BUD 19004398

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
STMP1 0.12 117.6 Pg 19:47:33.640 -0.2 T__ 173.2 ___ ML 0.9 799250 FDSN HU -- BUD iLoc HHZ HHZ _
STMP1 0.12 117.6 Lg 19:47:37.275 0.7 T__ ___ 799252 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 0.9 magdef=1

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(Station ML: 0.9 magdef=1
HU06A 0.17 207.4 Pg 19:47:34.950 0.3 T__ 237.2 --- ML 1.1 799251 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.17 207.4 Lg 19:47:36.900 -1.0 T__ --- 799253 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=1
STMP2 0.19 296.7 Pg 19:47:34.978 -0.2 T__ 289.2 --- ML 1.3 799254 FDSN HU -- BUD iLoc HHZ HHZ _
STMP2 0.19 296.7 Lg 19:47:39.267 0.6 T__ --- 799255 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/22 01:54:36.52 0.78 0.91 46.8322 20.6777 4.8 3.8 166 16.5 5.6 13 8 109 0.11 1.21 ke BUD 19004402 BUD 135

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Magnitude Err Nsta Author OrigID
ML 1.4 0.2 7 BUD 19004402

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
STMP1 0.11 102.7 Pg 01:54:40.279 -0.3 T__ 160.6 --- ML 0.8 799391 FDSN HU -- BUD iLoc HHZ HHZ _
STMP1 0.11 102.7 Lg 01:54:43.896 0.3 T__ --- 799392 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 0.8 magdef=1
(Station ML: 0.8 magdef=0
HU06A 0.14 212.3 Pg 01:54:41.332 0.4 T__ 378.3 --- ML 1.3 799393 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.14 212.3 Lg 01:54:43.932 -0.2 T__ --- 799394 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
STMP2 0.21 304.9 Pg 01:54:42.038 0.0 T__ 170.3 --- ML 1.1 799390 FDSN HU -- BUD iLoc HHZ HHZ _
STMP2 0.21 304.9 Lg 01:54:46.428 0.5 T__ --- 799395 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=1
HU24A 0.34 76.6 Pg 01:54:44.890 0.6 T__ 156.6 --- ML 1.4 799397 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU24A 0.34 76.6 Lg 01:54:49.564 -0.1 T__ --- 799396 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
HU12A 0.37 16.2 Lg 01:54:51.296 0.7 T__ --- 799398 FDSN Z6 00 BUD iLoc HHN ??? _
HU14A 0.56 227.2 Pn 01:54:49.576 -0.2 T__ 142.5 --- ML 2.0 799399 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
HU01A 0.89 305.7 Pn 01:54:52.948 -1.3 T__ 94.6 --- ML 2.0 799400 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=0
PSZ 1.21 334.2 Pn 01:54:57.676 -1.1 T__ 24.6 --- ML 1.6 799401 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 1.21 334.2 Sn 01:55:16.553 1.7 T__ --- 799402 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/22 05:47:14.02 0.83 0.60 46.4906 17.7495 4.7 3.2 29 10.0f 21 17 59 0.07 1.73 ke BUD 19004404 BUD 84

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Magnitude Err Nsta Author OrigID
ML 2.3 0.2 8 BUD 19004404

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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
A265A	0.07	154.4	Pg	05:47:16.373	-0.2					T__		20510.3		_c_	ML	2.8	1280259	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A265A	0.07	154.4	Lg	05:47:18.711	0.2					T__				---		1280258	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.8 magdef=1)																									
(Station ML: 2.8 magdef=0)																									
A263A	0.34	296.8	Pg	05:47:20.732	-0.4					T__		494.4		---	ML	1.9	1280260	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A263A	0.34	296.8	Lg	05:47:26.033	-0.0					T__				---		1280261	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
A266A	0.36	84.2	Lg	05:47:28.286	1.2					T__				---		1280262	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
BADH	0.37	328.9	Lg	05:47:26.841	-0.3					T__				---		1280263	FDSN	HU	--	BUD	iLoc	HHN	???	_	
TIH	0.42	13.5	Lg	05:47:28.873	-0.2					T__				---		1280252	FDSN	HU	--	BUD	iLoc	HHN	???	_	
A264A	0.46	224.1	Pg	05:47:23.009	-0.4					T__		390.7		---	ML	2.2	1280265	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
KOVH	0.47	148.8	Pg	05:47:23.312	-0.3					T__		153.7		---	ML	1.8	1280250	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.47	148.8	Lg	05:47:29.942	-0.3					T__				---		1280264	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=0)																									
A273A	0.58	175.4	Pg	05:47:25.412	-0.1					T__		496.4		---	ML	2.5	1280266	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.5 magdef=1)																									
(Station ML: 2.5 magdef=1)																									
A261A	0.62	318.4	Pn	05:47:28.359	0.9					T__		269.0		---	ML	2.3	1280267	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=1)																									
BEHE	0.67	268.6	Pg	05:47:27.294	-0.1					T__		358.1		---	ML	2.4	1280251	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BEHE	0.67	268.6	Lg	05:47:37.093	0.6					T__				---		1280268	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=1)																									
MORH	0.68	113.7	Pg	05:47:26.834	-0.5					T__		233.9		---	ML	2.2	1280255	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
MPLH	0.69	348.1	Lg	05:47:38.420	0.3					T__				---		1280253	FDSN	HU	--	BUD	iLoc	HHN	???	_	
A272A	0.88	72.7	Sn	05:47:44.610	0.5					T__				---		1280269	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KOGS	1.04	268.2	Lg	05:47:48.478	1.2					T__				---		1280254	FDSN	SL	--	BUD	iLoc	BHN	???	_	
PTJ	1.37	245.4	Lg	05:47:58.823	0.5					T__				---		1280256	FDSN	CR	--	BUD	iLoc	BHN	???	_	
RONA	1.56	321.1	Lg	05:48:05.045	0.8					T__				---		1280257	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CRES	1.73	248.2	Lg	05:48:08.882	-0.4					T__				---		1280270	FDSN	SL	--	BUD	iLoc	BHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/22	06:34:57.47	3.47	0.90	47.8420	20.0907	27.3	5.4	160	0.0f		6	5	234	0.15	0.69	sx	BUD	19004406	BUD			254
2023/08/22	06:34:58.20	1.01	1.08	47.8987	20.0893f				0.0f		6	5	218	0.13	0.64	kx	BUD_GT	19004407	BUD_GT			237

(locality: Recsk Hungary)  
(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID  
19004407

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
PSZ	0.13	278.6	Pg	06:35:01.202	-0.5					T__		395.1		---	ML	1.3	1280302	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.13	278.6	Lg	06:35:03.885	-0.7					T__				---		1280303	FDSN	GE	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.3 magdef=1  
 (Station ML: 1.3 magdef=0  
 HU03A 0.33 271.1 Lg 06:35:11.127 0.4 T\_\_ --- 1280304 FDSN Z6 00 BUD iLoc HHN ??? \_  
 HU02A 0.37 52.4 Lg 06:35:12.502 -0.0 T\_\_ --- 1280305 FDSN Z6 00 BUD iLoc HHN ??? \_  
 CP16A 0.54 34.1 Lg 06:35:19.189 1.8 T\_\_ --- 1280306 FDSN Z6 00 BUD iLoc HHN ??? \_  
 KECS 0.64 24.2 Lg 06:35:22.255 1.3 T\_\_ --- 1280307 FDSN SK -- BUD iLoc EHN ??? \_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/08/22 07:46:27.40 0.86 0.31 46.8751 20.6822 6.4 4.4 23 9.0 9.1 8 6 127 0.13 1.25 ke BUD 19004410 BUD 210

Magnitude Err Nsta Author OrigID  
 ML 1.6 0.1 5 BUD 19004410

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L  
 STMP1 0.13 122.2 Pg 07:46:30.825 0.0 T\_\_ 730.0 --- ML 1.5 799508 FDSN HU -- BUD iLoc HHZ HHZ \_  
 STMP1 0.13 122.2 Lg 07:46:33.352 -0.2 T\_\_ --- 799515 FDSN HU -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.5 magdef=1  
 (Station ML: 1.5 magdef=0  
 HU06A 0.18 205.9 Pg 07:46:31.789 0.0 T\_\_ 537.0 --- ML 1.5 799512 FDSN Z6 00 BUD iLoc HHZ HHZ \_  
 (Reading ML: 1.5 magdef=1  
 (Station ML: 1.5 magdef=1  
 STMP2 0.19 293.6 Pg 07:46:32.058 0.1 T\_\_ 1379.4 --- ML 2.0 799510 FDSN HU -- BUD iLoc HHZ HHZ \_  
 (Reading ML: 2.0 magdef=1  
 (Station ML: 2.0 magdef=0  
 HU13A 0.46 284.5 Pg 07:46:37.191 -0.1 T\_\_ 194.9 --- ML 1.9 799513 FDSN Z6 00 BUD iLoc HHZ HHZ \_  
 (Reading ML: 1.9 magdef=1  
 (Station ML: 1.9 magdef=1  
 PSZ 1.17 333.1 Sn 07:47:06.282 0.0 T\_\_ --- 799514 FDSN GE -- BUD iLoc HHN ??? \_  
 PSZ 1.17 333.1 Lg 07:47:07.268 -0.5 T\_\_ --- 799509 FDSN GE -- BUD iLoc HHN ??? \_  
 HU02A 1.25 355.2 Pn 07:46:51.312 0.2 T\_\_ 24.4 --- ML 1.6 799511 FDSN Z6 00 BUD iLoc HHZ HHZ \_  
 (Reading ML: 1.6 magdef=1  
 (Station ML: 1.6 magdef=1

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/08/22 07:56:22.48 3.06 1.15 48.5036 19.4135 18.6 5.5 146 0.0f 9 7 249 0.61 0.83 sx BUD 19004412 BUD 283

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L  
 HU03A 0.61 168.2 Pg 07:56:36.449 1.1 T\_\_ 110.9 --- ML 1.9 1280724 FDSN Z6 00 BUD iLoc HHZ HHZ \_  
 HU03A 0.61 168.2 Lg 07:56:44.590 0.0 T\_\_ --- 1280725 FDSN Z6 00 BUD iLoc HHN ??? \_  
 (Reading ML: 1.9 magdef=1  
 (Station ML: 1.9 magdef=1  
 PSZ 0.67 151.0 Lg 07:56:46.995 -0.0 T\_\_ --- 1280732 FDSN GE -- BUD iLoc HHN ??? \_  
 HU10A 0.71 202.0 Lg 07:56:46.678 -1.7 T\_\_ --- 1280731 FDSN Z6 00 BUD iLoc HHN ??? \_  
 KECS 0.71 91.2 Lg 07:56:47.418 -0.0 T\_\_ --- 1280730 FDSN SK -- BUD iLoc EHN ??? \_  
 CP16A 0.77 101.7 Lg 07:56:48.581 -0.8 T\_\_ --- 1280729 FDSN Z6 00 BUD iLoc HHN ??? \_  
 CP17A 0.79 110.8 Lg 07:56:50.273 0.1 T\_\_ --- 1280728 FDSN Z6 00 BUD iLoc HHN ??? \_  
 HU02A 0.83 116.8 Pg 07:56:39.409 -0.3 T\_\_ 73.3 --- ML 1.8 1280727 FDSN Z6 00 BUD iLoc HHZ HHZ \_  
 HU02A 0.83 116.8 Lg 07:56:50.881 -1.7 T\_\_ --- 1280726 FDSN Z6 00 BUD iLoc HHN ??? \_



(Reading ML: 1.8 magdef=1  
 (Station ML: 1.8 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/22	08:56:04.97	1.37	1.31	47.2034	18.3491	9.3	6.1	90	0.0f	7	6	165	0.17	1.13	sx	BUD	19004414	BUD				188
2023/08/22	08:56:05.78	1.00	1.55	47.2302	18.2835f				0.0f	7	6	156	0.13	1.15	kx	BUD_GT	19004415	BUD_GT				177

(locality: Iszkaszentgyörgy Hungary)  
 (GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.13	353.3	Pg	08:56:09.740	0.6					T__		450.4		___	ML	1.3	1280751	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.13	353.3	Lg	08:56:11.378	-0.9					T__				---		1280752	FDSN	HU	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.3 magdef=1  
 (Station ML: 1.3 magdef=0

HU08A	0.32	309.6	Lg	08:56:17.762	-0.6					T__				---		1280753	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU09A	0.41	9.3	Lg	08:56:21.462	-0.4					T__				---		1280754	FDSN	Z6	00	BUD	iLoc	HHN	???	_
MPLH	0.51	263.5	Lg	08:56:25.374	0.9					T__				---		1280755	FDSN	HU	--	BUD	iLoc	HHN	???	_
MORH	1.05	166.2	Lg	08:56:38.484	-3.4					T__				---		1280756	FDSN	HU	--	BUD	iLoc	HHN	???	_
KOVH	1.15	186.4	Sn	08:56:44.405	-0.8					T__				---		1280757	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/08/22	12:19:28.43	2.39	1.52	48.3169	21.7843	26.6	5.1	148	0.0f	10	6	225	0.36	1.33	sx	BUD	19004416	BUD					331

Magnitude Err Nsta Author OrigID  
 ML 1.3 0.3 3 BUD 19004416

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.36	266.9	Pg	12:19:36.607	0.6					T__		63.4		___	ML	1.1	1281694	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.36	266.9	Lg	12:19:41.973	-0.5					T__				---		1281690	FDSN	HU	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.1 magdef=1  
 (Station ML: 1.1 magdef=1

KOLS	0.70	27.6	Pg	12:19:42.396	0.5					T__				---		1281692	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.70	27.6	Lg	12:19:50.748	-2.5					T__				---		1281691	FDSN	SK	--	BUD	iLoc	HHN	???	_	
CP17A	0.86	263.9	Lg	12:19:58.678	0.1					T__				---		1281695	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.86	257.4	Pg	12:19:45.356	-0.9					T__		21.5		---	ML	1.3	1281688	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.86	257.4	Lg	12:19:59.735	0.1					T__				---		1281696	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

(Reading ML: 1.3 magdef=1  
 (Station ML: 1.3 magdef=1

KECS	0.88	281.4	Pg	12:19:46.215	0.2					T__		83.9		___	ML	1.9	1281689	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.88	281.4	Lg	12:19:58.678	-0.5					T__				---		1281693	FDSN	SK	--	BUD	iLoc	EHN	???	_	

(Reading ML: 1.9 magdef=1  
 (Station ML: 1.9 magdef=1

PSZ	1.33	253.2	Sn	12:20:15.911	2.8					T__				---		1281697	FDSN	GE	--	BUD	iLoc	HHN	???	_
-----	------	-------	----	--------------	-----	--	--	--	--	-----	--	--	--	-----	--	---------	------	----	----	-----	------	-----	-----	---

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/08/22	20:45:47.37	1.34	1.46	46.4513	18.5449	9.2	4.8	17	10.0f	6	4	175	0.21	0.48	ke	BUD	19004418	BUD					246

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
A266A	0.21	291.1	Lg	20:45:54.601	-1.1					T__						1282350	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MORH	0.25	163.9	Pg	20:45:53.633	0.9					T__		83.6		---	ML	0.9	1282346	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.25	163.9	Lg	20:45:55.311	-1.6					T__				---		1282345	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
HU22A	0.42	106.7	Lg	20:46:02.246	-0.9					T__				---		1282349	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KOVH	0.48	220.5	Pg	20:45:57.892	0.8					T__		14.0		---	ML	0.8	1282347	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.48	220.5	Lg	20:46:03.125	-0.8					T__				---		1282348	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/22	22:35:15.71	0.62	0.73	46.8658	20.6710	3.3	2.7	15	14.7	4.7	75	60	37	0.13	3.67	ke	BUD	19004420	BUD			56

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ML	3.7	0.1	54	BUD												19004420									
STMP1	0.13	116.9	Pg	22:35:19.108	-0.6					T__		28329.0		---	ML	3.1	801024	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
STMP1	0.13	116.9	Lg	22:35:22.779	0.0					T__				---		801025	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 3.1 magdef=1)																									
(Station ML: 3.1 magdef=0)																									
HU06A	0.17	204.9	Pg	22:35:19.987	-0.3					T__		37439.5		---	ML	3.3	801026	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.17	204.9	Lg	22:35:24.528	0.9					T__				---		801027	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 3.3 magdef=1)																									
(Station ML: 3.3 magdef=0)																									
STMP2	0.19	297.2	Pg	22:35:20.421	-0.2					T__		20234.3		---	ML	3.1	801029	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
STMP2	0.19	297.2	Lg	22:35:24.700	0.5					T__				---		801028	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 3.1 magdef=1)																									
(Station ML: 3.1 magdef=0)																									
HU12A	0.33	18.5	Pg	22:35:23.110	-0.2					T__		8043.4		---	ML	3.1	801031	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU12A	0.33	18.5	Lg	22:35:29.540	0.8					T__				---		801076	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 3.1 magdef=1)																									
(Station ML: 3.1 magdef=0)																									
HU24A	0.34	82.3	Pg	22:35:23.092	-0.2					T__		31523.7		_d_	ML	3.7	801030	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.7 magdef=1)																									
(Station ML: 3.7 magdef=1)																									
HU13A	0.45	285.8	Pg	22:35:25.271	-0.4					T__		6276.0		---	ML	3.4	801032	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU13A	0.45	285.8	Lg	22:35:31.711	-0.8					T__				---		801019	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 3.4 magdef=1)																									
(Station ML: 3.4 magdef=0)																									
BSZH	0.51	327.7	Pg	22:35:27.186	0.2					T__		8887.8		---	ML	3.7	801003	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.7 magdef=1)																									
(Station ML: 3.7 magdef=1)																									
HU14A	0.58	224.5	Pg	22:35:28.169	0.4					T__		9766.5		---	ML	3.8	801033	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.8 magdef=1)																									
(Station ML: 3.8 magdef=1)																									
HU05A	0.76	24.7	Pg	22:35:31.109	-0.2					T__		4566.1		---	ML	3.6	801006	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.6 magdef=1)																									

(Station ML: 3.6 magdef=1 HU23A 0.83 339.8 Pg (Reading ML: 4.0 magdef=1 (Station ML: 4.0 magdef=0	22:35:32.635 -0.3	T__	10251.0	___ ML	4.0 801035	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Station ML: 4.0 magdef=0 HU21A 0.84 231.0 Pg (Reading ML: 3.9 magdef=1 (Station ML: 3.9 magdef=1	22:35:32.222 -0.3	T__	8339.3	___ ML	3.9 801034	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Station ML: 3.9 magdef=1 HU04B 0.85 266.9 Pg (Reading ML: 3.9 magdef=1 (Station ML: 3.9 magdef=1	22:35:32.178 -0.8	T__	7989.9	___ ML	3.9 801036	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Station ML: 3.9 magdef=1 HU01A 0.86 304.1 Pn (Reading ML: 4.0 magdef=1 (Station ML: 4.0 magdef=0	22:35:32.993 -0.3	T__	9412.0	___ ML	4.0 801037	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Station ML: 4.0 magdef=0 HU01A 0.86 304.1 Sn (Reading ML: 4.0 magdef=1 (Station ML: 4.0 magdef=0	22:35:45.500 -0.2	T__		---	801077	FDSN Z6	00 BUD	iLoc	HHN ???	_
(Station ML: 4.0 magdef=0 LTVH 0.99 57.8 Pn (Reading ML: 3.6 magdef=1 (Station ML: 3.6 magdef=1	22:35:34.315 -0.7	T__	3468.1	___ ML	3.6 801038	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
(Station ML: 3.6 magdef=1 A272A 1.18 264.7 Pn (Reading ML: 3.7 magdef=1 (Station ML: 3.7 magdef=1	22:35:36.891 -0.8	T__	3475.6	___ ML	3.7 801041	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Station ML: 3.7 magdef=1 A272A 1.18 264.7 Pg (Reading ML: 3.7 magdef=1 (Station ML: 3.7 magdef=1	22:35:38.869 -0.3	T__		---	801021	FDSN Z6	00 BUD	iLoc	HHZ ???	_
(Station ML: 3.7 magdef=1 PSZ 1.18 333.7 Pn (Reading ML: 3.5 magdef=1 (Station ML: 3.5 magdef=0	22:35:36.942 -0.8	T__	2058.0	___ ML	3.5 801040	FDSN GE	-- BUD	iLoc	HHZ HHZ	_
(Station ML: 3.5 magdef=0 PSZ 1.18 333.7 Pg (Reading ML: 3.5 magdef=1 (Station ML: 3.5 magdef=0	22:35:38.688 -1.5	T__		---	801020	FDSN GE	-- BUD	iLoc	HHZ ???	_
(Station ML: 3.5 magdef=0 HU22A 1.19 243.7 Pn (Reading ML: 4.0 magdef=1 (Station ML: 4.0 magdef=0	22:35:36.986 -0.8	T__	7316.3	___ ML	4.0 801039	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Station ML: 4.0 magdef=0 HU02A 1.26 355.6 Pn (Reading ML: 3.4 magdef=1 (Station ML: 3.4 magdef=0	22:35:38.111 -0.8	T__	1441.7	___ ML	3.4 801042	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Station ML: 3.4 magdef=0 HU03A 1.27 325.4 Pn (Reading ML: 3.8 magdef=1 (Station ML: 3.8 magdef=1	22:35:38.581 -0.3	T__	3788.7	___ ML	3.8 801007	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Station ML: 3.8 magdef=1 HU03A 1.27 325.4 Pg (Reading ML: 3.8 magdef=1 (Station ML: 3.8 magdef=1	22:35:40.611 -1.1	T__		---	801022	FDSN Z6	00 BUD	iLoc	HHZ ???	_
(Station ML: 3.8 magdef=1 A271A 1.29 283.6 Lg (Reading ML: 3.7 magdef=1 (Station ML: 3.7 magdef=1	22:35:59.582 -0.9	T__		---	801008	FDSN Z6	00 BUD	iLoc	HHN ???	_
(Station ML: 3.7 magdef=1 CP17A 1.36 355.5 Pn (Reading ML: 3.7 magdef=1 (Station ML: 3.7 magdef=1	22:35:39.825 -0.3	T__	2915.0	___ ML	3.7 801043	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Station ML: 3.7 magdef=1 DRGR 1.40 92.3 Pn (Reading ML: 3.6 magdef=1 (Station ML: 3.6 magdef=1	22:35:40.163 -0.7	T__	1874.9	___ ML	3.6 801044	FDSN RO	-- BUD	iLoc	BHZ BHZ	_
(Station ML: 3.6 magdef=1 DRGR 1.40 92.3 Sn (Reading ML: 3.6 magdef=1 (Station ML: 3.6 magdef=1	22:35:59.654 0.5	T__		---	801004	FDSN RO	-- BUD	iLoc	BHN ???	_
(Station ML: 3.6 magdef=1 BZS 1.41 151.9 Pn (Reading ML: 3.5 magdef=1 (Station ML: 3.5 magdef=1	22:35:40.194 -0.7	T__	1766.2	___ ML	3.5 801045	FDSN RO	-- BUD	iLoc	BHZ BHZ	_
(Station ML: 3.5 magdef=1 BZS 1.41 151.9 Pg (Reading ML: 3.5 magdef=1 (Station ML: 3.5 magdef=1	22:35:42.744 -0.5	T__		---	801009	FDSN RO	-- BUD	iLoc	BHZ ???	_
(Station ML: 3.5 magdef=1 BZS 1.41 151.9 Lg (Reading ML: 3.5 magdef=1 (Station ML: 3.5 magdef=1	22:36:01.870 0.7	T__		---	801023	FDSN RO	-- BUD	iLoc	BHN ???	_
(Station ML: 3.5 magdef=1 CP16A 1.48 356.6 Pn (Reading ML: 3.5 magdef=1 (Station ML: 3.5 magdef=1	22:35:41.833 0.0	T__	1674.3	___ ML	3.5 801047	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
(Station ML: 3.5 magdef=1 ABAH 1.48 14.9 Pn (Reading ML: 3.5 magdef=1	22:35:41.290 -0.6	T__	1339.8	___ ML	3.5 801046	FDSN HU	-- BUD	iLoc	HHZ HHZ	_

(Station ML: 3.5 magdef=0 HU10A 1.49 311.7 Pn (Reading ML: 3.7 magdef=1 (Station ML: 3.7 magdef=1	22:35:42.771	0.8	T__	2367.8	___ ML	3.7 801048	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
A267A 1.50 273.9 Pn (Reading ML: 3.7 magdef=1 (Station ML: 3.7 magdef=1	22:35:41.576	-0.5	T__	2540.2	___ ML	3.7 801049	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
BANR 1.52 167.5 Pg (Reading ML: 4.5 magdef=1 (Station ML: 4.5 magdef=0	22:35:44.974	-0.1	T__	15962.9	___ ML	4.5 801010	FDSN R0	-- BUD	iLoc	HHZ HHZ	_
MORH 1.54 245.8 Pn (Reading ML: 3.5 magdef=1 (Station ML: 3.5 magdef=1	22:35:41.353	-1.3	T__	1306.0	___ ML	3.5 801050	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
A266A 1.69 259.3 Pn (Reading ML: 4.1 magdef=1 (Station ML: 4.1 magdef=0	22:35:43.948	-0.8	T__	4123.0	___ ML	4.1 801051	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
CSKK 1.72 287.7 Pn (Reading ML: 3.6 magdef=1 (Station ML: 3.6 magdef=1	22:35:45.863	0.7	T__	1394.2	___ ML	3.6 801052	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
HU09A 1.74 297.2 Pn (Reading ML: 3.9 magdef=1 (Station ML: 3.9 magdef=1	22:35:45.968	0.6	T__	2713.1	___ ML	3.9 801011	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
DEV 1.83 121.6 Pn DEV 1.83 121.6 Sn (Reading ML: 3.7 magdef=1 (Station ML: 3.7 magdef=1	22:35:47.003	0.4	T__	1532.7	___ ML	3.7 801053	FDSN R0	-- BUD	iLoc	BHZ BHZ	_
	22:36:08.660	-0.9	T__		---	801054	FDSN R0	-- BUD	iLoc	BHN ???	_
SRO 1.86 301.5 Pn SRO 1.86 301.5 Sn (Reading ML: 3.7 magdef=1 (Station ML: 3.7 magdef=1	22:35:48.087	1.0	T__	1627.5	___ ML	3.7 801012	FDSN SK	-- BUD	iLoc	EHZ EHZ	_
	22:36:12.100	1.8	T__		---	801055	FDSN SK	-- BUD	iLoc	EHN ???	_
TIH 1.91 272.0 Pn (Reading ML: 4.2 magdef=1 (Station ML: 4.2 magdef=0	22:35:48.162	0.5	T__	4302.0	___ ML	4.2 801013	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
KOVH 1.94 247.3 Pn (Reading ML: 3.7 magdef=1 (Station ML: 3.7 magdef=1	22:35:46.935	-1.2	T__	1277.1	___ ML	3.7 801014	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
HU08A 1.96 287.8 Pn (Reading ML: 3.7 magdef=1 (Station ML: 3.7 magdef=1	22:35:48.656	0.3	T__	1244.7	___ ML	3.7 801056	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
CJR 2.02 93.3 Pn (Reading ML: 4.0 magdef=1 (Station ML: 4.0 magdef=0	22:35:49.920	0.7	T__	2445.0	___ ML	4.0 801057	FDSN R0	-- BUD	iLoc	BHZ BHZ	_
A265A 2.03 258.5 Pn A265A 2.03 258.5 Lg (Reading ML: 3.9 magdef=1 (Station ML: 3.9 magdef=1	22:35:48.645	-0.7	T__	1964.9	___ ML	3.9 801015	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_
	22:36:24.447	1.8	T__		---	801059	FDSN Z6	00 BUD	iLoc	HHN ???	_
GZR 2.08 134.4 Pn (Reading ML: 3.9 magdef=1 (Station ML: 3.9 magdef=1	22:35:50.253	0.2	T__	1583.1	___ ML	3.9 801058	FDSN R0	-- BUD	iLoc	BHZ BHZ	_
MPLH 2.16 279.2 Pn (Reading ML: 3.6 magdef=1 (Station ML: 3.6 magdef=1	22:35:51.190	-0.0	T__	729.6	___ ML	3.6 801060	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
A273A 2.19 245.4 Pn	22:35:51.414	-0.2	T__	1344.0	___ ML	3.8 801016	FDSN Z6	00 BUD	iLoc	HHZ HHZ	_

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(Reading ML: 3.8 magdef=1
(Station ML: 3.8 magdef=1
BADH 2.20 269.6 Pn 22:35:51.396 -0.3 T__ 1335.0 ___ ML 3.8 801061 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 3.8 magdef=1
(Station ML: 3.8 magdef=1
KOLS 2.33 26.9 Pn 22:35:52.591 -1.0 T__
EGYH 2.35 284.8 Pn 22:35:55.485 1.8 T__ 712.5 ___ ML 3.7 801063 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 3.7 magdef=1
(Station ML: 3.7 magdef=1
A261A 2.42 273.3 Pn 22:35:55.040 0.4 T__ 1901.9 ___ ML 4.1 801064 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 4.1 magdef=1
(Station ML: 4.1 magdef=0
A264A 2.44 254.4 Pn 22:35:54.249 -0.7 T__ 1091.9 ___ ML 3.9 801065 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 3.9 magdef=1
(Station ML: 3.9 magdef=1
MEZ 2.53 48.3 Pn 22:35:56.211 -0.1 T__
LOT 2.58 122.2 Pn 22:35:57.071 0.0 T__ 1138.3 ___ ML 4.0 801067 FDSN RO -- BUD iLoc BHZ BHZ _
(Reading ML: 4.0 magdef=1
(Station ML: 4.0 magdef=0
MODS 2.75 304.6 Pn 22:35:59.747 0.5 T__
JAVC 2.84 315.7 Pn 22:36:01.420 0.9 T__ 385.9 ___ ML 3.7 801068 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 3.7 magdef=1
(Station ML: 3.7 magdef=1
A262A 2.84 271.5 Pn 22:36:01.513 1.0 T__ 706.9 ___ ML 3.9 801018 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 3.9 magdef=1
(Station ML: 3.9 magdef=0
SOP 2.92 287.8 Pn 22:36:01.581 0.0 T__ 302.2 ___ ML 3.6 801069 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 3.6 magdef=1
(Station ML: 3.6 magdef=1
RDNA 3.09 287.2 Pn 22:36:03.984 -0.1 T__
BURAR 3.19 74.7 Pn 22:36:06.202 0.8 T__
CONA 3.44 289.8 Pn 22:36:08.864 0.1 T__ 174.8 ___ ML 3.7 801071 FDSN OE -- BUD iLoc HHZ HHZ _
(Reading ML: 3.7 magdef=1
(Station ML: 3.7 magdef=1
ARSA 3.54 278.1 Pn 22:36:10.281 0.1 T__ 134.4 ___ ML 3.6 801072 FDSN OE -- BUD iLoc HHZ HHZ _
(Reading ML: 3.6 magdef=1
(Station ML: 3.6 magdef=1
MORC 3.58 325.5 Pn 22:36:11.290 0.5 T__ 133.0 ___ ML 3.6 801073 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 3.6 magdef=1
(Station ML: 3.6 magdef=1
KRUC 3.62 309.0 Pn 22:36:11.126 -0.1 T__ 91.8 ___ ML 3.5 801074 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 3.5 magdef=1
(Station ML: 3.5 magdef=0
VRAC 3.67 313.3 Pn 22:36:12.286 0.4 T__ 64.9 ___ ML 3.3 801075 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 3.3 magdef=1
(Station ML: 3.3 magdef=0

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/23 06:40:46.67 1.43 1.44 46.3219 18.5009 12.8 4.0 165 10.0f 6 3 218 0.15 0.44 ke BUD 19004422 BUD 311

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Magnitude Err Nsta Author OrigID
ML 0.8 0.0 3 BUD 19004422

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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MORH	0.15	137.2	Pg	06:40:50.900	0.6					T__		126.6		___	ML	0.8	1285629	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.15	137.2	Lg	06:40:52.685	-0.4					T__				---		1285630	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=1)																									
KOVH	0.36	230.1	Pg	06:40:55.216	0.9					T__		29.6		___	ML	0.8	1285633	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.36	230.1	Lg	06:40:57.555	-2.1					T__				---		1285632	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=1)																									
HU22A	0.44	89.0	Pg	06:40:55.790	0.2					T__		332.4		___	ML	2.0	1285634	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU22A	0.44	89.0	Lg	06:41:02.325	-0.5					T__				---		1285631	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/23	07:16:02.46	0.76	0.61	46.8732	20.6697	4.8	2.9	16	10.0f		14	8	110	0.13	1.40	ke	BUD	19004424	BUD			148

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.1	7 BUD	19004424

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
STMP1	0.13	119.5	Pg	07:16:05.647	-0.4					T__		1997.6		___	ML	2.0	801442	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
STMP1	0.13	119.5	Lg	07:16:09.278	0.4					T__				---		801447	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
HU06A	0.18	203.6	Pg	07:16:06.610	-0.2					T__		1884.5		___	ML	2.1	801443	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
STMP2	0.18	295.2	Pg	07:16:06.843	-0.1					T__		1311.6		___	ML	1.9	801446	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
STMP2	0.18	295.2	Lg	07:16:11.157	0.8					T__				---		801452	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
HU24A	0.34	83.6	Pg	07:16:09.868	0.0					T__		840.3		___	ML	2.2	801444	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU24A	0.34	83.6	Lg	07:16:16.484	1.2					T__				---		801453	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
HU13A	0.45	285.0	Pg	07:16:11.906	-0.3					T__		228.6		___	ML	1.9	801448	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU13A	0.45	285.0	Lg	07:16:19.167	0.1					T__				---		801454	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
HU14A	0.59	223.9	Pg	07:16:14.819	0.2					T__		384.1		___	ML	2.4	801445	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU14A	0.59	223.9	Lg	07:16:24.333	0.9					T__				---		801449	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=0)																									
PSZ	1.17	333.6	Pn	07:16:24.902	-0.4					T__		56.5		___	ML	1.9	801450	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.17	333.6	Sn	07:16:41.116	-0.4					T__				---		801455	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=0)																									
DRGR	1.40	92.6	Sn	07:16:46.630	-0.6					T__				---		801451	FDSN	RO	--	BUD	iLoc	BHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/23	07:19:00.52	1.47	0.81	46.1313	18.0675	11.5	4.4	89	0.0f	6	3	226	0.05	0.42	sx	BUD	19004426	BUD				301

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.4	3 BUD	19004426

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOVH	0.05	152.3	Pg	07:19:02.297	0.1					T__		967.9		___	ML	1.4	1285894	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.05	152.3	Lg	07:19:03.870	0.0					T__				---		1285893	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
MORH	0.41	78.0	Pg	07:19:09.665	0.5					T__		21.3		___	ML	0.8	1285891	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.41	78.0	Lg	07:19:15.030	-0.8					T__				---		1285892	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=1)																									
A266A	0.42	19.0	Pg	07:19:09.757	0.3					T__		178.5		___	ML	1.7	1285895	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A266A	0.42	19.0	Lg	07:19:15.202	-1.0					T__				---		1285896	FDSN	Z6	00	BUD	iLoc	HHE	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/08/23	07:34:17.85	1.90	0.97	46.3594	18.5164	15.2	5.2	13	10.0f	5	3	230	0.17	0.50	ke	BUD	19004428	BUD					309

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MORH	0.17	148.6	Pg	07:34:22.338	0.5					T__		50.4		___	ML	0.5	1285917	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.17	148.6	Lg	07:34:23.993	-1.0					T__				---		1285916	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.5 magdef=1)																									
(Station ML: 0.5 magdef=1)																									
KOVH	0.40	227.0	Pg	07:34:26.437	0.3					T__		17.5		___	ML	0.6	1285918	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.40	227.0	Lg	07:34:31.825	-0.1					T__				---		1285919	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.6 magdef=1)																									
(Station ML: 0.6 magdef=1)																									
A265A	0.50	277.7	Lg	07:34:34.462	-0.7					T__				---		1285920	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/08/23	07:40:42.31	3.63	1.09	48.5943	20.7232	20.1	10.8	43	0.0f	7	5	320	0.19	0.87	sx	BUD	19004430	BUD					336

Magnitude	Err	Nsta	Author	OrigID
ML	1.2	0.2	3 BUD	19004430

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KECS	0.19	234.9	Pg	07:40:46.171	-0.2					T__		223.8		___	ML	1.2	1285943	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.19	234.9	Lg	07:40:50.400	0.8					T__				---		1285942	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
CP16A	0.28	205.9	Pg	07:40:48.656	0.6					T__		101.2		___	ML	1.1	1285941	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.28	205.9	Lg	07:40:52.607	0.1					T__				---		1285944	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									

(Station ML: 1.1 magdef=1  
 CP17A 0.40 200.7 Lg 07:40:56.519 -0.2 T\_\_ --- 1285945 FDSN Z6 00 BUD iLoc HHN ??? \_  
 HU02A 0.49 195.7 Lg 07:40:58.740 -1.8 T\_\_ --- 1285946 FDSN Z6 00 BUD iLoc HHN ??? \_  
 PSZ 0.87 219.6 Pn 07:41:00.431 -0.5 T\_\_ 40.8 --- ML 1.6 1285947 FDSN GE -- BUD iLoc HHZ HHZ \_  
 (Reading ML: 1.6 magdef=1  
 (Station ML: 1.6 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/23	12:19:15.08	1.18	0.44	47.9417	16.1445	7.8	4.6	37	0.0f		6	4	148	0.19	1.13	sx	BUD	19004432	BUD			250

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
CONA	0.19	266.0	Pg	12:19:19.024	-0.1					T__		93.2		---	ML	0.8	1285967	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_	
CONA	0.19	266.0	Lg	12:19:21.779	-0.1					T__				---		1285970	FDSN	OE	--	BUD	iLoc	HHN	???	_		
(Reading ML: 0.8 magdef=1 (Station ML: 0.8 magdef=0																										
RONA	0.26	157.0	Pg	12:19:20.616	0.0					T__				---		1285968	FDSN	OE	--	BUD	iLoc	HHZ	???	_		
RONA	0.26	157.0	Lg	12:19:24.031	-0.4					T__				---		1285971	FDSN	OE	--	BUD	iLoc	HHN	???	_		
ARSA	0.81	211.5	Lg	12:19:41.530	0.6					T__				---		1285972	FDSN	OE	--	BUD	iLoc	HHN	???	_		
KRUC	1.13	8.4	Lg	12:19:53.828	0.3					T__				---		1285969	FDSN	CZ	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/23	20:30:25.71	1.26	0.86	46.2541	18.5320	18.3	3.7	164	10.0f		6	3	198	0.09	0.42	ke	BUD	19004434	BUD			322

Magnitude Err Nsta Author OrigID  
 ML 0.5 0.1 3 BUD 19004434

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
MORH	0.09	116.8	Pg	20:30:28.656	0.2					T__		88.5		---	ML	0.5	1286717	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
MORH	0.09	116.8	Lg	20:30:30.441	-0.1					T__				---		1286716	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 0.5 magdef=1 (Station ML: 0.5 magdef=1																										
KOVH	0.34	241.2	Pg	20:30:32.992	0.0					T__		19.2		---	ML	0.5	1286714	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
KOVH	0.34	241.2	Lg	20:30:38.204	0.1					T__				---		1286715	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 0.5 magdef=1 (Station ML: 0.5 magdef=1																										
HU22A	0.42	79.7	Pg	20:30:34.948	0.6					T__		72.8		---	ML	1.3	1286718	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU22A	0.42	79.7	Lg	20:30:40.042	-1.3					T__				---		1286719	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 1.3 magdef=1 (Station ML: 1.3 magdef=1																										

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/24	01:54:31.97	0.98	0.31	46.2735	18.5205	7.4	4.7	172	10.0f		6	3	126	0.10	0.67	ke	BUD	19004436	BUD			246

Magnitude Err Nsta Author OrigID  
 ML 0.6 0.4 3 BUD 19004436

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
-----	------	------	-------	------	------	------	-------	------	------	-----	-----	-----	-----	------	-----------	-------	-----	--------	----	------	-----	-----	-----	---



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MORH 0.10 124.5 Pg 01:54:35.142 0.2 T__ 55.4 ___ ML 0.3 1286761 FDSN HU -- BUD iLoc HHZ HHZ _
MORH 0.10 124.5 Lg 01:54:36.831 -0.4 T__ ___ 1286762 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 0.3 magdef=1
(Station ML: 0.3 magdef=1
KOVH 0.35 237.8 Pg 01:54:39.379 0.1 T__ 22.0 ___ ML 0.6 1286763 FDSN HU -- BUD iLoc HHZ HHZ _
KOVH 0.35 237.8 Lg 01:54:44.404 -0.0 T__ ___ 1286764 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 0.6 magdef=1
(Station ML: 0.6 magdef=1
A267A 0.67 357.8 Pn 01:54:45.807 -0.1 T__ 67.3 ___ ML 1.7 1286765 FDSN Z6 00 BUD iLoc HHZ HHZ _
A267A 0.67 357.8 Lg 01:54:55.436 -0.2 T__ ___ 1286766 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/24 01:56:02.75 0.94 0.75 46.8736 20.6836 4.4 3.6 22 10.0f 8 5 87 0.13 0.33 ke BUD 19004438 BUD 172

```

```

Magnitude Err Nsta Author OrigID
ML 0.9 0.2 3 BUD 19004438

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
STMP1 0.13 121.8 Pg 01:56:05.679 -0.5 T__ 129.4 ___ ML 0.8 801548 FDSN HU -- BUD iLoc HHZ HHZ _
STMP1 0.13 121.8 Lg 01:56:09.164 0.2 T__ ___ 801549 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 0.8 magdef=1
(Station ML: 0.8 magdef=1
HU06A 0.18 206.3 Pg 01:56:06.837 -0.3 T__ 154.1 ___ ML 1.0 801550 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU06A 0.18 206.3 Lg 01:56:11.223 0.7 T__ ___ 801551 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=1
STMP2 0.19 293.9 Pg 01:56:06.983 -0.4 T__ 111.5 ___ ML 0.9 801547 FDSN HU -- BUD iLoc HHZ HHZ _
STMP2 0.19 293.9 Lg 01:56:11.116 0.2 T__ ___ 801552 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=1
HU12A 0.32 17.5 Lg 01:56:16.083 0.8 T__ ___ 801553 FDSN Z6 00 BUD iLoc HHE ??? _
HU24A 0.33 83.5 Lg 01:56:16.249 1.0 T__ ___ 801554 FDSN Z6 00 BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/24 07:22:58.28 1.54 1.46 47.9386 19.1203 18.2 3.0 154 0.0f 13 8 179 0.12 1.06 sx BUD 19004440 BUD 202

```

```

Magnitude Err Nsta Author OrigID
ML 1.7 0.1 5 BUD 19004440

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU10A 0.12 216.3 Pg 07:23:01.638 0.5 T__ 1571.6 ___ ML 1.8 1287971 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU10A 0.12 216.3 Lg 07:23:02.958 -0.6 T__ ___ 1287973 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=0
HU03A 0.32 96.0 Lg 07:23:10.625 -0.0 T__ 1287974 FDSN Z6 00 BUD iLoc HHN ??? _
PSZ 0.52 91.9 Pg 07:23:10.462 0.8 T__ 32.7 ___ ML 1.3 1287972 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.52 91.9 Lg 07:23:15.995 -2.0 T__ ___ 1287975 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1

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```

(Station ML: 1.3 magdef=0
HU09A 0.58 239.2 Lg 07:23:18.386 -1.5 T__
HU02A 0.96 78.5 Pn 07:23:19.221 1.2 T__ 20.0 --- ML 1.3 1287978 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.96 78.5 Lg 07:23:31.637 -1.7 T__ --- 1287977 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
CP17A 0.97 72.7 Pn 07:23:18.857 0.9 T__ 47.7 --- ML 1.7 1287979 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP17A 0.97 72.7 Lg 07:23:31.930 -1.1 T__ --- 1287980 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
CP16A 1.03 66.5 Pn 07:23:21.292 2.5 T__ 40.2 --- ML 1.7 1287982 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP16A 1.03 66.5 Sn 07:23:34.512 -0.5 T__ --- 1287981 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
KECS 1.06 58.7 Sn 07:23:35.125 -1.0 T__ --- 1287983 FDSN SK -- BUD iLoc EHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/24 07:53:42.49 2.65 1.29 48.6187 20.7392 15.9 8.0 3 0.0f 7 6 262 0.22 0.90 sx BUD 19004442 BUD 324

```

```

Magnitude Err Nsta Author OrigID

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```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
KECS 0.22 231.3 Pg 07:53:47.136 0.1 T__ 369.5 --- ML 1.5 1288008 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.22 231.3 Lg 07:53:50.286 -0.2 T__ --- 1288009 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=0
CP16A 0.31 205.7 Lg 07:53:55.033 1.5 T__ --- 1288010 FDSN Z6 00 BUD iLoc HHN ??? _
CP17A 0.43 200.9 Lg 07:53:58.247 0.4 T__ --- 1288012 FDSN Z6 00 BUD iLoc HHN ??? _
ABAH 0.46 133.9 Lg 07:53:59.780 -0.1 T__ --- 1288011 FDSN HU -- BUD iLoc HHN ??? _
HU02A 0.52 196.1 Lg 07:53:59.963 -1.7 T__ --- 1288013 FDSN Z6 00 BUD iLoc HHN ??? _
PSZ 0.90 219.2 Lg 07:54:13.767 -1.1 T__ --- 1288014 FDSN GE -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/24 07:58:12.88 0.96 0.92 47.8511 19.8632 5.3 3.2 153 0.0f 14 12 90 0.07 1.19 sx BUD 19004444 BUD 134

```

```

Magnitude Err Nsta Author OrigID

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
PSZ 0.07 17.4 Pg 07:58:14.926 -0.2 T__ 3016.2 --- ML 2.0 1288039 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.07 17.4 Lg 07:58:16.059 -1.1 T__ --- 1288040 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
HU03A 0.19 286.6 Pg 07:58:17.008 -0.1 T__ 878.8 --- ML 1.8 1288041 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU03A 0.19 286.6 Lg 07:58:21.098 0.6 T__ --- 1288042 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
HU23A 0.34 129.0 Lg 07:58:26.950 0.9 T__ --- 1288043 FDSN Z6 00 BUD iLoc HHN ??? _
HU02A 0.52 58.4 Lg 07:58:31.479 -1.0 T__ --- 1288044 FDSN Z6 00 BUD iLoc HHN ??? _
HU01A 0.53 198.1 Lg 07:58:32.136 -0.8 T__ --- 1288045 FDSN Z6 00 BUD iLoc HHN ??? _
HU10A 0.57 269.7 Lg 07:58:34.619 0.5 T__ --- 1288047 FDSN Z6 00 BUD iLoc HHE ??? _

```

CP17A	0.57	49.5	Lg	07:58:33.743	0.4					T__					1288046	FDSN	Z6	00	BUD	iLoc	HHN	???	_
CP16A	0.67	42.5	Lg	07:58:37.321	0.7					T__					1288048	FDSN	Z6	00	BUD	iLoc	HHN	???	_
KECS	0.76	33.1	Lg	07:58:40.462	0.9					T__					1288049	FDSN	SK	--	BUD	iLoc	EHN	???	_
HU09A	1.02	258.5	Sn	07:58:48.861	-0.7					T__					1288052	FDSN	Z6	00	BUD	iLoc	HHN	???	_
ABAH	1.02	63.7	Lg	07:58:50.322	1.0					T__					1288050	FDSN	HU	--	BUD	iLoc	HHN	???	_
CSKK	1.19	246.4	Sn	07:58:52.294	-1.4					T__					1288051	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/24	09:56:32.30	1.60	0.50	48.2862	19.8614	11.5	4.0	133	0.0f		11	7	219	0.37	0.92	sx	BUD	19004446	BUD			247

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.3	4 BUD	19004446

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
PSZ	0.37	176.5	Pg	09:56:40.736	0.2					T__		95.5			ML	1.3	1288078	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.37	176.5	Lg	09:56:46.195	-0.5					T__						1288080	FDSN	GE	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.3 magdef=1)								(Station ML: 1.3 magdef=1)													
HU03A	0.42	204.7	Lg	09:56:47.679	-0.2					T__						1288081	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP17A	0.44	98.6	Lg	09:56:48.424	0.3					T__						1288082	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP16A	0.46	82.7	Lg	09:56:48.591	-0.0					T__						1288083	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KECS	0.46	64.4	Pg	09:56:41.440	-0.2					T__	139.1				ML	1.7	1288085	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.46	64.4	Lg	09:56:48.853	0.1					T__						1288084	FDSN	SK	--	BUD	iLoc	EHN	???	_	
				(Reading ML: 1.7 magdef=1)								(Station ML: 1.7 magdef=1)													
HU02A	0.47	110.0	Pg	09:56:42.452	0.1					T__		38.8			ML	1.2	1288079	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.47	110.0	Lg	09:56:49.628	-0.5					T__						1288086	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.2 magdef=1)								(Station ML: 1.2 magdef=1)													
ABAH	0.92	88.9	Pn	09:56:52.356	1.1					T__		46.1			ML	1.7	1288088	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.92	88.9	Lg	09:57:04.663	-0.3					T__						1288087	FDSN	HU	--	BUD	iLoc	HHE	???	_	
				(Reading ML: 1.7 magdef=1)								(Station ML: 1.7 magdef=1)													

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/25	07:02:23.23	1.91	1.52	47.8907	20.2964	17.3	3.6	153	0.0f		11	8	214	0.27	1.53	sx	BUD	19004452	BUD			238

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.3	4 BUD	19004452

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
PSZ	0.27	276.0	Pg	07:02:30.082	0.6					T__		251.7			ML	1.5	1290318	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.27	276.0	Lg	07:02:32.386	-2.0					T__						1290321	FDSN	GE	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.5 magdef=1)								(Station ML: 1.5 magdef=1)													
HU02A	0.28	33.4	Pg	07:02:29.227	-0.2					T__		537.8			ML	1.8	1290323	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.28	33.4	Lg	07:02:32.806	-1.6					T__						1290322	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.8 magdef=1)								(Station ML: 1.8 magdef=1)													
CP17A	0.36	23.6	Pg	07:02:32.879	2.1					T__		1676.9			ML	2.5	1290324	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_

```

(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=1
HU03A 0.47 271.9 Lg 07:02:40.566 -0.0 T__ --- 1290327 FDSN Z6 00 BUD iLoc HHN ??? _
CP16A 0.48 19.8 Lg 07:02:39.763 -0.7 T__ --- 1290326 FDSN Z6 00 BUD iLoc HHN ??? _
KECS 0.61 12.0 Lg 07:02:43.195 -1.6 T__ --- 1290325 FDSN SK -- BUD iLoc EHN ??? _
ABAH 0.75 57.0 Lg 07:02:50.061 -0.8 T__ --- 1290328 FDSN HU -- BUD iLoc HHN ??? _
NIE 1.53 0.1 Pn 07:02:52.769 1.7 T__ 19.8 --- ML 1.6 1290320 FDSN PL -- BUD iLoc BHZ BHZ _
NIE 1.53 0.1 Sn 07:03:12.124 -0.6 T__ --- 1290319 FDSN PL -- BUD iLoc BHE ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/25 07:21:25.51 0.91 0.62 48.1664 20.9769 4.7 3.4 4 10.0f 13 7 99 0.22 0.77 ke BUD 19004454 BUD 198

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```

Magnitude Err Nsta Author OrigID
ML 1.3 0.1 7 BUD 19004454

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```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
ABAH 0.22 53.5 Pg 07:21:30.374 0.1 T__ 74.8 --- ML 0.8 1290369 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.22 53.5 Lg 07:21:33.314 -1.1 T__ --- 1290370 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 0.8 magdef=1
(Station ML: 0.8 magdef=0
HU11A 0.27 152.0 Pg 07:21:31.833 0.4 T__ 504.7 --- ML 1.8 1290371 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=0
HU02A 0.31 261.9 Pg 07:21:31.688 -0.6 T__ 64.2 _d_ ML 1.0 1290372 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.31 261.9 Lg 07:21:36.692 -0.8 T__ --- 1290363 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=1
CP17A 0.32 279.8 Pg 07:21:32.273 0.1 T__ 138.0 --- ML 1.3 1290365 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP17A 0.32 279.8 Lg 07:21:36.911 -0.2 T__ --- 1290364 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
CP16A 0.34 301.2 Pg 07:21:32.948 0.4 T__ 99.1 --- ML 1.2 1290366 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP16A 0.34 301.2 Lg 07:21:38.362 0.6 T__ --- 1290373 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
KECS 0.46 314.2 Pg 07:21:34.957 0.2 T__ 156.4 --- ML 1.8 1290368 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.46 314.2 Lg 07:21:41.512 -0.1 T__ --- 1290367 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
PSZ 0.77 251.5 Pn 07:21:42.196 1.0 T__ 21.7 --- ML 1.3 1290375 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.77 251.5 Lg 07:21:53.078 0.2 T__ --- 1290374 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/25 07:33:22.77 1.29 1.03 48.5117 19.3487 6.7 5.4 30 0.0f 9 8 123 0.63 1.17 sx BUD 19004456 BUD 229

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Magnitude Err Nsta Author OrigID

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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
HU03A	0.63	164.5	Lg	07:33:45.911	0.4					T__						1290430	FDSN	Z6	00	BUD	iLoc	HHN	???	_
PSZ	0.70	148.2	Lg	07:33:47.226	-1.1					T__						1290431	FDSN	GE	--	BUD	iLoc	HHN	???	_
KECS	0.76	91.7	Lg	07:33:49.855	0.6					T__						1290432	FDSN	SK	--	BUD	iLoc	EHN	???	_
CP16A	0.81	101.6	Lg	07:33:50.878	-0.2					T__						1290433	FDSN	Z6	00	BUD	iLoc	HHN	???	_
CP17A	0.83	110.3	Lg	07:33:51.827	-0.1					T__						1290434	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU02A	0.88	116.0	Pg	07:33:41.576	0.7					T__		38.0		ML	1.6	1290429	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.88	116.0	Lg	07:33:52.477	-1.9					T__						1290428	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1)																								
(Station ML: 1.6 magdef=0)																								
NIE	1.10	34.3	Lg	07:33:59.058	-0.5					T__						1290435	FDSN	PL	--	BUD	iLoc	BHN	???	_
JAVC	1.17	288.0	Lg	07:34:03.586	-0.4					T__						1290436	FDSN	CZ	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/25	08:49:53.09	0.88	1.05	47.1133	17.9334	4.5	3.1	117	0.0f		14	9	109	0.22	1.03	sx	BUD	19004458	BUD			131

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.0	5 BUD	19004458

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
TIH	0.22	187.4	Pg	08:49:58.762	0.8					T__		666.3			ML	1.7	1290467	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TIH	0.22	187.4	Lg	08:50:01.611	-0.2					T__						1290466	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
MPLH	0.27	282.1	Pg	08:50:00.537	1.3					T__		206.1			ML	1.4	1290468	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.27	282.1	Lg	08:50:02.947	-1.1					T__						1290469	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=0)																									
HU08A	0.32	358.8	Lg	08:50:05.696	-0.0					T__						1290464	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CSKK	0.33	41.6	Pg	08:50:00.398	0.1					T__		162.0			ML	1.4	1290470	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.33	41.6	Lg	08:50:05.039	-1.5					T__						1290465	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
BADH	0.44	225.9	Pg	08:50:02.140	-0.2					T__		786.3			ML	2.4	1290472	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BADH	0.44	225.9	Lg	08:50:07.836	-1.2					T__						1290471	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=0)																									
A261A	0.56	253.6	Lg	08:50:10.909	-2.0					T__						1290473	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU09A	0.61	30.0	Lg	08:50:15.816	-0.1					T__						1290474	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MORH	1.02	151.2	Pn	08:50:14.161	0.8					T__		24.5			ML	1.5	1290477	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	1.02	151.2	Lg	08:50:28.841	0.4					T__						1290476	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
KOVH	1.03	173.6	Lg	08:50:28.561	-0.4					T__						1290475	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/25	09:47:37.15	0.90	0.64	47.6276	16.3758	4.7	3.9	9	0.0f		13	8	90	0.09	0.96	sx	BUD	19004460	BUD			164

Magnitude	Err	Nsta	Author	OrigID

ML 1.4 0.5 3 BUD 19004460

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
RONA	0.09	323.3	Pg	09:47:38.937	-0.4					T__						1290512	FDSN	OE	--	BUD	iLoc	HHZ	???	_		
RONA	0.09	323.3	Lg	09:47:40.617	-0.4					T__						1290513	FDSN	OE	--	BUD	iLoc	HHN	???	_		
SOP	0.14	65.6	Pg	09:47:39.960	-0.3					T__		269.1		_c	ML	1.1	1290511	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
SOP	0.14	65.6	Lg	09:47:42.772	0.2					T__						1290510	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.1 magdef=1)																										
(Station ML: 1.1 magdef=1)																										
A260A	0.41	146.9	Lg	09:47:51.102	-0.5					T__						1290518	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
CONA	0.46	311.1	Pg	09:47:46.825	0.4					T__		68.3			ML	1.4	1290515	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_	
CONA	0.46	311.1	Lg	09:47:52.413	-0.2					T__						1290514	FDSN	OE	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.4 magdef=1)																										
(Station ML: 1.4 magdef=1)																										
EGYH	0.68	107.7	Lg	09:48:01.270	-0.1					T__						1290520	FDSN	HU	--	BUD	iLoc	HHN	???	_		
ARSA	0.69	237.2	Pg	09:47:50.623	0.1					T__		70.0			ML	1.7	1290517	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_	
ARSA	0.69	237.2	Lg	09:47:59.452	0.2					T__						1290519	FDSN	OE	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.7 magdef=1)																										
(Station ML: 1.7 magdef=1)																										
MPLH	0.91	119.6	Lg	09:48:08.877	-0.1					T__						1290521	FDSN	HU	--	BUD	iLoc	HHN	???	_		
MODS	0.96	38.7	Pg	09:47:58.219	1.5					T__						1290516	FDSN	SK	--	BUD	iLoc	HHZ	???	_		
MODS	0.96	38.7	Lg	09:48:10.672	-0.9					T__						1290522	FDSN	SK	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/25	10:00:02.60	1.51	1.54	48.0101	17.1537	14.5	3.6	126	0.0f		9	6	209	0.19	0.92	sx	BUD	19004462	BUD			220

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
ZST	0.19	349.6	Lg	10:00:08.966	-1.6					T__						1290546	FDSN	SK	--	BUD	iLoc	HHN	???	_		
MODS	0.37	12.8	Pg	10:00:11.750	1.1					T__						1290550	FDSN	SK	--	BUD	iLoc	HHZ	???	_		
MODS	0.37	12.8	Lg	10:00:15.986	-1.0					T__						1290549	FDSN	SK	--	BUD	iLoc	HHN	???	_		
SOP	0.52	231.0	Pg	10:00:13.175	0.1					T__		47.5			ML	1.4	1290551	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 1.4 magdef=1)																										
(Station ML: 1.4 magdef=1)																										
RONA	0.66	242.0	Pg	10:00:17.073	1.3					T__						1290552	FDSN	OE	--	BUD	iLoc	HHZ	???	_		
RONA	0.66	242.0	Lg	10:00:22.706	-1.8					T__						1290547	FDSN	OE	--	BUD	iLoc	HHN	???	_		
CONA	0.87	265.1	Pg	10:00:21.150	1.3					T__		21.6			ML	1.3	1290553	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_	
CONA	0.87	265.1	Lg	10:00:31.010	-0.2					T__						1290554	FDSN	OE	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.3 magdef=1)																										
(Station ML: 1.3 magdef=1)																										
JAVC	0.92	21.9	Lg	10:00:33.904	-1.6					T__						1290548	FDSN	CZ	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/25	10:53:50.26	1.01	1.00	47.9245	20.1469	10.9	3.3	157	0.0f		9	6	149	0.17	0.82	sx	BUD	19004464	BUD			204

Magnitude Err Nsta Author OrigID  
ML 1.5 0.1 4 BUD 19004464

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
-----	------	------	-------	------	------	------	-------	------	------	-----	-----	-----	-----	------	-----------	-------	-----	--------	----	------	-----	-----	-----	---

PSZ	0.17	268.0	Pg	10:53:54.344	-0.1	T__	496.5	---	ML	1.5	1290578	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.17	268.0	Lg	10:53:57.571	-0.4	T__		---			1290579	FDSN	GE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.5 magdef=1)																			
(Station ML: 1.5 magdef=1)																			
HU02A	0.32	51.9	Pg	10:53:57.005	-0.4	T__	130.0	---	ML	1.3	1290582	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.32	51.9	Lg	10:54:01.360	-1.6	T__		---			1290581	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.3 magdef=1)																			
(Station ML: 1.3 magdef=1)																			
HU03A	0.37	267.0	Lg	10:54:04.500	0.3	T__		---			1290580	FDSN	Z6	00	BUD	iLoc	HHN	???	_
CP17A	0.38	39.5	Pg	10:53:59.461	1.2	T__	149.0	---	ML	1.5	1290583	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.5 magdef=1)																			
(Station ML: 1.5 magdef=1)																			
HU01A	0.68	211.7	Lg	10:54:15.675	0.3	T__		---			1290584	FDSN	Z6	00	BUD	iLoc	HHN	???	_
ABAH	0.82	62.7	Pg	10:54:07.505	0.9	T__	41.3	---	ML	1.6	1290586	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.82	62.7	Lg	10:54:19.191	-0.8	T__		---			1290585	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1)																			
(Station ML: 1.6 magdef=1)																			

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/25	11:41:56.26	1.63	0.84	46.3738	22.9237	25.0	5.3	85	0.0f		5	3	205	0.44	1.18	sx	BUD	19004466	BUD			315

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
DRGR	0.44	340.7	Pg	11:42:05.368	-0.0					T__		48.2		---	ML	1.2	1290625	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	0.44	340.7	Lg	11:42:12.891	0.1					T__				---		1290626	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
GZR	0.99	186.0	Pg	11:42:15.392	0.3					T__		22.6		---	ML	1.4	1290629	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	0.99	186.0	Lg	11:42:27.717	-1.1					T__				---		1290628	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
BZS	1.18	230.7	Lg	11:42:35.751	0.0					T__				---		1290627	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/08/25	13:50:35.44	0.86	0.96	46.8733	20.6991	3.7	3.0	18	3.5	10.3	17	13	84	0.12	1.47	ke	BUD	19004468	BUD					116

Magnitude Err Nsta Author OrigID  
ML 2.1 0.1 7 BUD 19004468

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
STMP1	0.12	124.5	Pg	13:50:38.517	0.2					T__		1259.0		---	ML	1.7	801683	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
STMP1	0.12	124.5	Lg	13:50:41.202	0.5					T__				---		801684	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
HU06A	0.18	209.4	Pg	13:50:39.594	-0.0					T__		1983.1		---	ML	2.1	801693	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.18	209.4	Lg	13:50:42.016	-0.9					T__				---		801694	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
STMP2	0.20	292.8	Pg	13:50:40.036	0.0					T__		1134.8		---	ML	1.9	801691	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_

STMP2	0.20	292.8	Lg	13:50:44.386	0.9	T__								801690	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1)																						
(Station ML: 1.9 magdef=1)																						
HU24A	0.32	83.2	Pg	13:50:42.775	0.5	T__	868.6			ML	2.1	801695	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ		_	
(Reading ML: 2.1 magdef=1)																						
(Station ML: 2.1 magdef=1)																						
HU12A	0.32	15.7	Pg	13:50:41.336	-1.1	T__	300.3			ML	1.7	801696	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ		_	
(Reading ML: 1.7 magdef=1)																						
(Station ML: 1.7 magdef=0)																						
HU13A	0.47	284.3	Pg	13:50:46.644	1.1	T__	303.0			ML	2.1	801692	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ		_	
(Reading ML: 2.1 magdef=1)																						
(Station ML: 2.1 magdef=1)																						
HU14A	0.60	225.3	Lg	13:50:57.604	0.5	T__						801697	FDSN	Z6	00	BUD	iLoc	HHN	???		_	
HU23A	0.83	338.4	Lg	13:51:05.842	1.3	T__						801687	FDSN	Z6	00	BUD	iLoc	HHN	???		_	
HU21A	0.86	231.4	Pg	13:50:52.033	-0.5	T__	189.2			ML	2.3	801698	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ		_	
HU21A	0.86	231.4	Lg	13:51:04.966	-1.1	T__						801686	FDSN	Z6	00	BUD	iLoc	HHN	???		_	
(Reading ML: 2.3 magdef=1)																						
(Station ML: 2.3 magdef=0)																						
HU04B	0.87	266.5	Lg	13:51:05.404	-1.0	T__						801685	FDSN	Z6	00	BUD	iLoc	HHN	???		_	
HU02A	1.26	354.7	Sn	13:51:16.970	-0.3	T__						801699	FDSN	Z6	00	BUD	iLoc	HHN	???		_	
DRGR	1.38	92.7	Sn	13:51:19.354	-1.1	T__						801688	FDSN	RO	--	BUD	iLoc	HHN	???		_	
ABAH	1.47	14.2	Sn	13:51:23.737	1.3	T__						801689	FDSN	HU	--	BUD	iLoc	HHN	???		_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/26	01:16:49.83	2.92	1.97	47.7458	19.5488	20.5	9.3	18	10.0f		6	4	186	0.16	0.95	ke	BUD	19004470	BUD			312

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU03A	0.16	12.2	Pg	01:16:54.157	0.4					T__		101.9			ML	0.8	1291134	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.16	12.2	Lg	01:16:56.390	-0.4					T__						1291136	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=1)																									
PSZ	0.29	53.3	Pg	01:16:56.856	0.3					T__		27.9		_c	ML	0.6	1291132	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.29	53.3	Lg	01:17:00.993	-0.5					T__						1291133	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.6 magdef=1)																									
(Station ML: 0.6 magdef=1)																									
HU02A	0.76	59.8	Lg	01:17:16.315	-0.3					T__						1291135	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CSKK	0.95	246.8	Sn	01:17:18.986	-3.3					T__						1291137	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/28	06:47:30.76	3.02	0.58	47.8707	20.0700	26.4	4.7	159	0.0f		7	6	225	0.13	0.67	sx	BUD	19004488	BUD			241
2023/08/28	06:47:30.97	0.99	0.87	47.8987	20.0893f				0.0f		7	6	218	0.13	0.64	kx	BUD_GT	19004489	BUD_GT			229

(locality: Recsk Hungary)  
(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID  
19004489

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
-----	------	------	-------	------	------	------	-------	------	------	-----	-----	-----	-----	------	-----------	-------	-----	--------	----	------	-----	-----	-----	---



PSZ	0.13	278.6	Pg	06:47:34.245	-0.2	T__				398.7	___	ML	1.3	1293778	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.13	278.6	Lg	06:47:36.235	-1.2	T__					---			1293780	FDSN	GE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.3 magdef=1)																						
(Station ML: 1.3 magdef=0)																						
HU03A	0.33	271.1	Lg	06:47:43.193	-0.3	T__					---			1293781	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU02A	0.37	52.4	Lg	06:47:45.283	0.0	T__					---			1293779	FDSN	Z6	00	BUD	iLoc	HHN	???	_
CP17A	0.43	41.3	Lg	06:47:47.574	1.0	T__					---			1293782	FDSN	Z6	00	BUD	iLoc	HHN	???	_
CP16A	0.54	34.1	Lg	06:47:51.056	0.9	T__					---			1293783	FDSN	Z6	00	BUD	iLoc	HHN	???	_
KECS	0.64	24.2	Lg	06:47:54.811	1.1	T__					---			1293784	FDSN	SK	--	BUD	iLoc	EHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/28	07:15:39.85	1.24	0.93	48.4226	19.1246	7.2	5.3	43	0.0f		10	7	146	0.61	1.26	sx	BUD	19004490	BUD			249

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU03A	0.61	148.3	Lg	07:16:01.335	-0.5					T__						1293808	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.72	134.1	Lg	07:16:05.465	-0.8					T__						1293809	FDSN	GE	--	BUD	iLoc	HHN	???	_	
KECS	0.91	85.7	Lg	07:16:11.242	-0.2					T__						1293810	FDSN	SK	--	BUD	iLoc	EHN	???	_	
CP17A	0.95	101.9	Pg	07:16:00.180	1.2					T__	54.1			___	ML	1.8	1293806	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.95	101.9	Lg	07:16:12.377	-0.6					T__						1293811	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
HU02A	0.98	107.3	Pg	07:16:00.602	0.6					T__	20.0			___	ML	1.3	1293805	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.98	107.3	Lg	07:16:13.712	-1.2					T__						1293812	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
JAVC	1.06	294.9	Lg	07:16:16.920	-0.5					T__						1293813	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
NIE	1.26	37.4	Lg	07:16:20.760	-1.1					T__						1293807	FDSN	PL	--	BUD	iLoc	BHN	???	_	
NIE	1.26	37.4	Sg	07:16:22.148	0.3					T__						1293814	FDSN	PL	--	BUD	iLoc	BHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/08/28	07:34:01.60	1.65	0.96	48.4676	21.4482	14.6	8.4	143	0.0f		6	5	169	0.22	0.72	sx	BUD	19004494	BUD					307

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ABAH	0.22	219.1	Pg	07:34:06.810	0.4					T__		156.4		___	ML	1.1	1293858	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.22	219.1	Lg	07:34:09.440	-1.2					T__						1293859	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=0)																									
KECS	0.64	271.8	Lg	07:34:23.444	-0.7					T__						1293860	FDSN	SK	--	BUD	iLoc	EHN	???	_	
CP17A	0.67	248.7	Lg	07:34:25.782	0.4					T__						1293861	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.71	241.1	Lg	07:34:27.242	-0.1					T__						1293863	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KOLS	0.72	49.2	Lg	07:34:26.366	-0.8					T__						1293862	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/08/28	10:03:17.42	0.92	1.15	47.8305	20.1513	4.0	3.6	57	0.0f		11	8	120	0.19	0.87	sx	BUD	19004496	BUD					224
2023/08/28	10:03:17.76	0.91	1.57	47.8987	20.0893f				0.0f		11	8	113	0.13	0.87	kx	BUD_GT	19004497	BUD_GT					208

(locality: Recsk Hungary)  
(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID  
ML 1.7 0.1 3 BUD\_GT 19004497

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
PSZ	0.13	278.6	Pg	10:03:22.851	1.6					T__		1292.2		___	ML	1.8	1293915	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.13	278.6	Lg	10:03:24.887	0.7					T__				---		1293918	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=1)																									
HU23A	0.28	157.3	Pg	10:03:22.731	-1.4					T__		457.4		---	ML	1.7	1293919	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.28	157.3	Lg	10:03:25.379	-3.6					T__				---		1293920	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=1)																									
HU03A	0.33	271.1	Lg	10:03:31.006	0.7					T__				---		1293921	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.37	52.4	Pg	10:03:26.905	1.1					T__		163.1		---	ML	1.5	1293917	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.37	52.4	Lg	10:03:31.396	-0.7					T__				---		1293916	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=1)																									
CP17A	0.43	41.3	Lg	10:03:32.884	-0.5					T__				---		1293922	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP16A	0.54	34.1	Lg	10:03:37.673	0.7					T__				---		1293923	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KECS	0.64	24.2	Lg	10:03:40.450	-0.1					T__				---		1293924	FDSN	SK	--	BUD	iLoc	EHN	???	_	
ABAH	0.87	62.3	Lg	10:03:47.140	-1.9					T__				---		1293925	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/28	10:49:01.21	1.30	1.02	48.8664	21.0655	7.1	6.5	10	0.0f		12	8	126	0.54	1.23	sx	BUD	19004498	BUD			219

Magnitude Err Nsta Author OrigID  
ML 1.7 0.1 5 BUD 19004498

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
KECS	0.54	225.3	Pg	10:49:11.777	-0.3					T__		86.4		___	ML	1.7	1293959	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.54	225.3	Lg	10:49:19.774	-0.5					T__				---		1293962	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=1)																									
ABAH	0.58	168.5	Pg	10:49:13.201	0.3					T__		39.8		---	ML	1.4	1293960	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.58	168.5	Lg	10:49:21.819	-0.8					T__				---		1293961	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1 Station ML: 1.4 magdef=1)																									
CP16A	0.63	213.8	Pg	10:49:14.890	1.1					T__		96.5		---	ML	1.8	1293958	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.63	213.8	Lg	10:49:23.499	0.2					T__				---		1293963	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=0)																									
CP17A	0.75	209.8	Pg	10:49:17.693	1.4					T__		56.1		---	ML	1.7	1293957	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=1)																									
NIE	0.75	318.0	Lg	10:49:25.654	-0.3					T__				---		1293964	FDSN	PL	--	BUD	iLoc	BHN	???	_	
KOLS	0.80	84.7	Lg	10:49:28.703	-0.7					T__				---		1293965	FDSN	SK	--	BUD	iLoc	HHN	???	_	
HU02A	0.83	206.0	Pg	10:49:18.314	0.1					T__		26.5		---	ML	1.4	1293955	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.83	206.0	Lg	10:49:29.050	-1.9					T__				---		1293956	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									

(Station ML: 1.4 magdef=0  
 PSZ 1.23 219.9 Sn 10:49:42.653 -0.9 T\_\_ --- 1293966 FDSN GE -- BUD iLoc HHN ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/28	10:51:39.37	1.44	0.93	48.8659	21.0836	8.4	7.5	95	0.0f	7	6	127	0.55	0.83	sx	BUD	19004500	BUD				218

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
KECS	0.55	226.2	Lg	10:51:57.626	-1.1					T__						1293992	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.58	169.6	Lg	10:52:00.839	0.1					T__						1293993	FDSN	HU	--	BUD	iLoc	HHE	???	_
CP17A	0.75	210.7	Pg	10:51:55.435	0.9					T__	76.1			ML	1.8	1293996	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.75	210.7	Lg	10:52:05.149	-0.6					T__						1293995	FDSN	Z6	00	BUD	iLoc	HHN	???	_

(Reading ML: 1.8 magdef=1

(Station ML: 1.8 magdef=1

NIE	0.76	317.3	Lg	10:52:04.272	-0.2					T__						1293994	FDSN	PL	--	BUD	iLoc	BHN	???	_
KOLS	0.79	84.6	Lg	10:52:06.098	-1.0					T__						1293997	FDSN	SK	--	BUD	iLoc	HHN	???	_
HU02A	0.83	206.7	Pg	10:51:56.457	-0.0					T__	43.0			ML	1.6	1293998	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_

(Reading ML: 1.6 magdef=1

(Station ML: 1.6 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/29	07:42:43.95	0.95	0.52	47.1224	17.8789	5.4	3.9	77	0.0f	9	7	104	0.22	1.05	sx	BUD	19004504	BUD				188

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TIH	0.22	177.5	Pg	07:42:49.245	0.3					T__		551.5		ML	1.7	1297809	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TIH	0.22	177.5	Lg	07:42:52.568	-0.4					T__						1297808	FDSN	HU	--	BUD	iLoc	HHN	???	_

(Reading ML: 1.7 magdef=1

(Station ML: 1.7 magdef=1

MPLH	0.24	281.8	Pg	07:42:49.583	0.3					T__	266.8			ML	1.4	1297806	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.24	281.8	Lg	07:42:53.043	-0.6					T__						1297810	FDSN	HU	--	BUD	iLoc	HHN	???	_

(Reading ML: 1.4 magdef=1

(Station ML: 1.4 magdef=1

HU08A	0.31	5.6	Lg	07:42:56.512	0.2					T__						1297811	FDSN	Z6	00	BUD	iLoc	HHN	???	_
CSKK	0.35	47.1	Lg	07:42:58.018	-0.0					T__						1297807	FDSN	HU	--	BUD	iLoc	HHN	???	_
HU09A	0.62	33.3	Lg	07:43:06.317	-0.8					T__						1297812	FDSN	Z6	00	BUD	iLoc	HHN	???	_
KOVH	1.05	171.5	Lg	07:43:19.829	-0.4					T__						1297813	FDSN	HU	--	BUD	iLoc	HHN	???	_
MORH	1.05	149.6	Lg	07:43:19.902	-0.3					T__						1297814	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/29	10:00:05.39	1.18	1.11	47.3452	18.3935	6.5	4.5	116	0.0f	8	6	111	0.09	1.17	sx	BUD	19004508	BUD				193

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.09	281.2	Pg	10:00:08.517	0.6					T__		3739.0		_c_	ML	2.1	1297900	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.09	281.2	Lg	10:00:09.522	-0.8					T__						1297901	FDSN	HU	--	BUD	iLoc	HHN	???	_	

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(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
HU09A 0.29 358.5 Pg 10:00:12.443 0.7 T__ 287.2 ___ ML 1.6 1297903 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU09A 0.29 358.5 Lg 10:00:15.858 -1.3 T__ ___ 1297902 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
HU08A 0.33 285.3 Lg 10:00:17.501 -0.9 T__ ___ 1297904 FDSN Z6 00 BUD iLoc HHN ??? _
MPLH 0.61 253.6 Lg 10:00:27.023 -0.2 T__ ___ 1297905 FDSN HU -- BUD iLoc HHN ??? _
MORH 1.14 171.3 Lg 10:00:43.676 -1.0 T__ ___ 1297907 FDSN HU -- BUD iLoc HHN ??? _
PSZ 1.17 60.0 Sn 10:00:45.136 -1.0 T__ ___ 1297906 FDSN GE -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/30 07:01:36.85 1.25 1.19 48.8186 19.3333 7.1 6.2 29 0.0f 14 9 103 0.87 1.51 sx BUD 19004510 BUD 161

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Magnitude Err Nsta Author OrigID
ML 1.9 0.0 5 BUD 19004510

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
NIE 0.87 46.2 Lg 07:02:05.441 -0.3 T__ 1298059 FDSN PL -- BUD iLoc BHN ??? _
CP16A 0.93 120.3 Pn 07:01:58.137 2.0 T__ 85.2 ___ ML 1.9 1298057 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP16A 0.93 120.3 Lg 07:02:08.143 -1.1 T__ ___ 1298060 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
HU03A 0.93 168.9 Pn 07:01:57.261 1.1 T__ 89.6 ___ ML 2.0 1298062 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU03A 0.93 168.9 Lg 07:02:09.969 0.2 T__ ___ 1298061 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=0
PSZ 0.98 157.2 Pn 07:01:58.192 1.1 T__ 73.9 ___ ML 1.9 1298054 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.98 157.2 Lg 07:02:10.919 -0.9 T__ ___ 1298064 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
CP17A 0.99 127.0 Pg 07:01:57.169 0.5 T__ 77.4 ___ ML 1.9 1298056 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP17A 0.99 127.0 Lg 07:02:10.846 0.2 T__ ___ 1298063 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
HU02A 1.06 130.9 Pn 07:01:58.374 0.3 T__ 32.8 ___ ML 1.6 1298055 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 1.06 130.9 Lg 07:02:12.233 -1.3 T__ ___ 1298065 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=0
JAVC 1.10 272.7 Lg 07:02:14.936 -0.8 T__ ___ 1298066 FDSN CZ -- BUD iLoc HHN ??? _
ABAH 1.37 111.7 Sn 07:02:21.290 -0.9 T__ ___ 1298058 FDSN HU -- BUD iLoc HHN ??? _
MORC 1.51 310.0 Sn 07:02:28.667 1.8 T__ ___ 1298067 FDSN CZ -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/08/30 08:00:20.89 1.21 1.65 48.0636 20.7153 7.4 4.1 168 0.0f 10 5 199 0.14 0.57 sx BUD 19004514 BUD 275
2023/08/30 08:00:20.89 0.93 1.63 48.0471 20.6805f 0.0f 10 5 200 0.13 0.54 kx BUD_GT 19004515 BUD_GT 273

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(locality: Miskolc-Mexikóvölgy Hungary)
(GT info : GT2 explosion)

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Magnitude Err Nsta Author OrigID

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ML 1.4 0.0 5 BUD\_GT 19004515

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU02A	0.13	305.8	Lg	08:00:25.754	-1.2					T__						1298377	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.13	305.8	Pg	08:00:26.348	2.2					T__		782.7		---	ML	1.6	1298382	FDSN	Z6	00	BUD	iLoc	HHN	HHZ	_
CP17A	0.21	326.7	Pg	08:00:25.699	0.3					T__		361.4		---	ML	1.4	1298378	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.21	326.7	Lg	08:00:27.744	-1.1					T__				---			1298379	FDSN	Z6	00	BUD	iLoc	HHN	???	_
ABAH	0.45	56.1	Pg	08:00:30.692	0.5					T__		36.9		---	ML	1.1	1298383	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.45	56.1	Lg	08:00:34.517	-3.5					T__				---			1298384	FDSN	HU	--	BUD	iLoc	HHN	???	_
KECS	0.46	343.5	Pg	08:00:30.958	0.8					T__		110.0		---	ML	1.6	1298380	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.46	343.5	Lg	08:00:35.578	-1.7					T__				---			1298385	FDSN	SK	--	BUD	iLoc	EHN	???	_
PSZ	0.54	256.6	Pg	08:00:33.496	0.8					T__		42.4		---	ML	1.4	1298381	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.54	256.6	Lg	08:00:41.147	-0.2					T__				---			1298386	FDSN	GE	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/30	08:06:31.35	2.66	0.98	48.6440	20.8992	16.0	7.6	18	10.0f		10	6	267	0.32	0.99	ke	BUD	19004516	BUD			325

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.3	4 BUD	19004516

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KECS	0.32	239.8	Pg	08:06:38.152	0.1					T__		691.6		---	ML	2.0	1298420	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.32	239.8	Lg	08:06:42.224	-0.8					T__				---			1298421	FDSN	SK	--	BUD	iLoc	EHN	???	_
CP16A	0.39	218.5	Pg	08:06:40.636	1.4					T__		164.8		---	ML	1.6	1298419	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.39	218.5	Lg	08:06:45.073	0.0					T__				---			1298422	FDSN	Z6	00	BUD	iLoc	HHN	???	_
ABAH	0.42	146.8	Lg	08:06:45.475	-1.0					T__				---			1298423	FDSN	HU	--	BUD	iLoc	HHN	???	_
CP17A	0.50	211.4	Pg	08:06:42.425	0.9					T__		108.5		---	ML	1.7	1298418	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.50	211.4	Lg	08:06:47.775	-1.0					T__				---			1298424	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU02A	0.58	205.7	Pg	08:06:43.447	0.0					T__		35.8		---	ML	1.4	1298417	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.58	205.7	Lg	08:06:51.025	-1.1					T__				---			1298425	FDSN	Z6	00	BUD	iLoc	HHN	???	_
PSZ	0.99	223.1	Sn	08:07:05.215	-0.2					T__				---			1298426	FDSN	GE	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/30	09:09:48.35	1.42	1.34	46.0276	22.8880	9.0	6.9	36	0.0f	9	5	141	0.14	0.98	sx	BUD	19004520	BUD				247

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.2	4 BUD	19004520

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DEV	0.14	175.8	Pg	09:09:50.678	-0.4					T__		649.1		___	ML	1.5	1298546	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.14	175.8	Lg	09:09:52.705	-0.4					T__				---		1298547	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
GZR	0.64	187.0	Pg	09:10:00.520	-0.1					T__		73.5		___	ML	1.7	1298549	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	0.64	187.0	Lg	09:10:09.905	0.2					T__				---		1298548	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
DRGR	0.77	351.0	Lg	09:10:13.493	-2.5					T__				---		1298554	FDSN	RO	--	BUD	iLoc	HHN	???	_	
LOT	0.85	132.9	Pg	09:10:06.007	1.4					T__		67.6		---	ML	1.8	1298550	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
LOT	0.85	132.9	Lg	09:10:17.729	0.7					T__				---		1298551	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
BZS	0.98	245.6	Pg	09:10:08.746	1.3					T__		26.2		---	ML	1.5	1298553	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.98	245.6	Lg	09:10:21.052	-0.2					T__				---		1298552	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/08/30	09:36:25.46	0.90	0.74	46.9086	17.3654	4.0	3.6	55	0.0f	13	10	98	0.13	1.30	sx	BUD	19004522	BUD				109	
2023/08/30	09:36:25.31	0.91	0.72	46.8902	17.3220f				0.0f	13	10	90	0.13	1.28	kx	BUD_GT	19004523	BUD_GT				105	
(locality: Uzsa Hungary)																							
(GT info : GT2 explosion)																							

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.0	3 BUD_GT	19004523

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BADH	0.13	129.3	Pg	09:36:28.903	0.3					T__		2445.4		___	ML	2.1	1298588	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BADH	0.13	129.3	Lg	09:36:31.824	0.5					T__				---		1298587	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
A261A	0.13	297.5	Pg	09:36:29.524	0.9					T__		13501.0		___	ML	2.8	1298585	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A261A	0.13	297.5	Lg	09:36:31.788	0.4					T__				---		1298586	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.8 magdef=1)																									
(Station ML: 2.8 magdef=1)																									
A263A	0.25	181.1	Lg	09:36:34.782	-0.2					T__				---		1298589	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.32	27.9	Pg	09:36:31.642	-0.6					T__		779.0		---	ML	2.1	1298591	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.32	27.9	Lg	09:36:37.119	-0.6					T__				---		1298590	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
HU08A	0.68	37.0	Lg	09:36:48.970	-1.3					T__				---		1298592	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CSKK	0.80	53.2	Lg	09:36:53.571	-1.1					T__				---		1298593	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOGS	0.86	239.5	Lg	09:36:54.009	0.5					T__				---		1298594	FDSN	SL	--	BUD	iLoc	BHN	???	_	
KOVH	0.97	145.9	Lg	09:36:58.099	-0.4					T__				---		1298595	FDSN	HU	--	BUD	iLoc	HHN	???	_	

MORH	1.13	126.0	Lg	09:37:05.184	0.7	T__									1298596	FDSN	HU	--	BUD	iLoc	HNN	???	_
ARSA	1.28	287.0	Sn	09:37:07.813	0.5	T__									1298597	FDSN	OE	--	BUD	iLoc	HNN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/30	11:30:14.20	1.51	0.53	48.3203	19.8634	10.7	3.7	138	0.0f		12	7	225	0.40	0.92	sx	BUD	19004524	BUD			251

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.1	6 BUD	19004524

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.40	177.0	Pg	11:30:23.253	0.2					T__		173.6		---	ML	1.7	1298628	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.40	177.0	Lg	11:30:29.205	-0.5					T__				---		1298634	FDSN	GE	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
CP17A	0.44	102.9	Pg	11:30:23.910	0.6					T__		146.2		---	ML	1.7	1298632	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.44	102.9	Lg	11:30:30.429	0.2					T__				---		1298637	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
KECS	0.45	68.3	Pg	11:30:23.216	-0.0					T__		171.4		---	ML	1.8	1298633	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.45	68.3	Lg	11:30:29.589	-0.5					T__				---		1298635	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
CP16A	0.45	87.0	Pg	11:30:24.111	0.7					T__		315.3		---	ML	2.1	1298636	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=0)																									
HU03A	0.45	203.1	Pg	11:30:24.129	0.3					T__		109.4		---	ML	1.6	1298629	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.45	203.1	Lg	11:30:30.593	-0.2					T__				---		1298638	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
HU02A	0.48	113.9	Pg	11:30:24.567	0.1					T__		71.2		---	ML	1.5	1298631	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.48	113.9	Lg	11:30:31.853	-0.5					T__				---		1298630	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=0)																									
ABAH	0.92	91.0	Lg	11:30:45.958	-0.8					T__				---		1298639	FDSN	HU	--	BUD	iLoc	HNN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/30	14:59:05.94	0.90	1.07	48.2629	21.2234	6.5	3.9	6	0.0f		22	16	83	0.03	1.64	sx	BUD	19004528	BUD			111
2023/08/30	14:59:05.70	0.86	0.68	48.2470	21.2460f				0.0f		22	16	59	0.05	1.62	kx	BUD_GT	19004529	BUD_GT			109

(locality: Táillya Hungary)  
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.1	6 BUD_GT	19004529

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.05	355.1	Pg	14:59:07.185	-0.1					T__		22894.3		---	ML	2.8	1298869	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.05	355.1	Lg	14:59:08.088	-0.8					T__				---		1298876	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 2.8 magdef=1)																									
(Station ML: 2.8 magdef=0)																									
HU11A	0.33	189.3	Lg	14:59:20.139	1.5					T__				---		1298877	FDSN	Z6	00	BUD	iLoc	HNN	???	_	

CP16A	0.48	281.7	Lg	14:59:22.696	-0.2	T__									1298878	FDSN	Z6	00	BUD	iLoc	HHN	???	_
CP17A	0.49	267.0	Pg	14:59:15.949	0.1	T__	269.0								1298871	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.49	267.0	Lg	14:59:23.499	0.1	T__									1298879	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.1 magdef=1)																							
(Station ML: 2.1 magdef=1)																							
HU02A	0.50	255.8	Pg	14:59:15.365	-0.9	T__	131.9								1298872	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.50	255.8	Lg	14:59:24.120	-0.3	T__									1298881	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1)																							
(Station ML: 1.8 magdef=0)																							
HU07A	0.52	120.5	Lg	14:59:25.617	-0.0	T__									1298882	FDSN	Z6	00	BUD	iLoc	HHN	???	_
KECS	0.56	295.3	Pg	14:59:17.063	0.1	T__	159.2								1298870	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.56	295.3	Lg	14:59:24.741	-0.8	T__									1298880	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Reading ML: 2.0 magdef=1)																							
(Station ML: 2.0 magdef=1)																							
TRPA	0.87	97.2	Pg	14:59:23.463	0.7	T__	191.9								1298883	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.87	97.2	Lg	14:59:36.828	-0.3	T__									1298873	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.3 magdef=1)																							
(Station ML: 2.3 magdef=1)																							
HU23A	0.90	228.1	Sn	14:59:40.152	0.8	T__									1298885	FDSN	Z6	00	BUD	iLoc	HHN	???	_
PSZ	0.96	250.6	Pn	14:59:25.362	-0.2	T__	116.6								1298875	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.96	250.6	Lg	14:59:39.640	-0.8	T__									1298874	FDSN	GE	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.1 magdef=1)																							
(Station ML: 2.1 magdef=1)																							
KOLS	0.97	44.4	Pn	14:59:25.763	0.1	T__									1298884	FDSN	SK	--	BUD	iLoc	HHZ	???	_
LTVH	0.97	152.7	Sn	14:59:41.247	0.2	T__									1298886	FDSN	HU	--	BUD	iLoc	HHN	???	_
HU12A	1.10	195.0	Lg	14:59:45.246	0.5	T__									1298887	FDSN	Z6	00	BUD	iLoc	HHN	???	_
BSZH	1.16	215.2	Lg	14:59:46.853	0.3	T__									1298888	FDSN	HU	--	BUD	iLoc	HHN	???	_
HU24A	1.34	182.6	Lg	14:59:53.645	1.5	T__									1298889	FDSN	Z6	00	BUD	iLoc	HHN	???	_
BMR	1.62	109.9	Sn	14:59:58.393	0.9	T__									1298890	FDSN	RO	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/30	21:16:50.58	0.72	1.09	47.4765	18.2275	3.4	2.8	152	10.0f		39	29	38	0.12	1.85	ke	BUD	19004532	BUD			58

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.2	17 BUD	19004532

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.12	168.8	Pg	21:16:52.659	-1.1					T__		14427.7			ML	2.8	1299462	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.12	168.8	Lg	21:16:54.303	-2.2					T__						1299463	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.8 magdef=1)																									
(Station ML: 2.8 magdef=0)																									
HU09A	0.19	32.8	Pg	21:16:54.540	-0.5					T__	3008.6				ML	2.3	1299465	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU09A	0.19	32.8	Lg	21:16:58.392	-0.3					T__						1299481	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=0)																									
HU08A	0.21	257.7	Pg	21:16:54.668	-0.7					T__	745.5			_d	ML	1.8	1299464	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU08A	0.21	257.7	Lg	21:16:58.143	-1.1					T__						1299480	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
SR0	0.34	9.7	Lg	21:17:02.976	-0.6					T__						1299482	FDSN	SK	--	BUD	iLoc	EHN	???	_	
A271A	0.52	127.7	Lg	21:17:09.732	0.0					T__						1299468	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
BUD	0.54	89.0	Lg	21:17:08.386	-2.0					T__						1299483	FDSN	HU	--	BUD	iLoc	HHN	???	_	



A267A	0.56	161.8	Pg	21:17:02.063	0.3	T__	143.5	---	ML	2.0	1299467	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
A267A	0.56	161.8	Lg	21:17:09.969	-0.7	T__		---			1299466	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
	(Reading ML: 2.0 magdef=1)																			
	(Station ML: 2.0 magdef=1)																			
MPLH	0.56	237.0	Pg	21:17:01.278	-0.6	T__	86.1	---	ML	1.7	1299469	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
	(Reading ML: 1.7 magdef=1)																			
	(Station ML: 1.7 magdef=0)																			
HU10A	0.65	55.1	Pg	21:17:03.962	0.2	T__	103.1	---	ML	1.9	1299470	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
	(Reading ML: 1.9 magdef=1)																			
	(Station ML: 1.9 magdef=1)																			
BADH	0.85	217.8	Pg	21:17:06.880	-0.3	T__	108.6	---	ML	2.0	1299484	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
	(Reading ML: 2.0 magdef=1)																			
	(Station ML: 2.0 magdef=1)																			
A272A	0.89	145.2	Pn	21:17:08.746	1.1	T__	312.6	---	ML	2.5	1299472	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
	(Reading ML: 2.5 magdef=1)																			
	(Station ML: 2.5 magdef=0)																			
A261A	0.90	234.9	Pg	21:17:08.600	0.3	T__	142.0	---	ML	2.2	1299471	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
	(Reading ML: 2.2 magdef=1)																			
	(Station ML: 2.2 magdef=1)																			
A266A	0.95	178.5	Lg	21:17:23.222	0.7	T__		---			1299485	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU01A	0.96	97.4	Sn	21:17:23.495	0.5	T__		---			1299486	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU03A	1.02	64.7	Pn	21:17:10.580	1.0	T__	51.2	---	ML	1.8	1299487	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
	(Reading ML: 1.8 magdef=1)																			
	(Station ML: 1.8 magdef=1)																			
HU04B	1.06	128.3	Sn	21:17:26.191	0.8	T__		---			1299488	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A265A	1.09	195.9	Pg	21:17:12.531	0.7	T__	137.2	---	ML	2.2	1299489	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
A265A	1.09	195.9	Lg	21:17:27.858	0.9	T__		---			1299490	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
	(Reading ML: 2.2 magdef=1)																			
	(Station ML: 2.2 magdef=1)																			
MODS	1.10	324.9	Pn	21:17:11.978	0.9	T__		---			1299473	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	1.10	324.9	Sn	21:17:27.423	0.3	T__		---			1299491	FDSN	SK	--	BUD	iLoc	HHE	???	_	
SOP	1.15	281.0	Pg	21:17:13.530	0.5	T__	42.4	---	ML	1.8	1299474	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
SOP	1.15	281.0	Lg	21:17:28.174	-0.2	T__		---			1299475	FDSN	HU	--	BUD	iLoc	HHN	???	_	
	(Reading ML: 1.8 magdef=1)																			
	(Station ML: 1.8 magdef=1)																			
PSZ	1.21	67.9	Pn	21:17:14.454	2.0	T__	33.7	---	ML	1.7	1299493	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_	
PSZ	1.21	67.9	Lg	21:17:32.787	-0.3	T__		---			1299492	FDSN	GE	--	BUD	iLoc	HHN	???	_	
	(Reading ML: 1.7 magdef=1)																			
	(Station ML: 1.7 magdef=0)																			
MORH	1.29	167.1	Pn	21:17:13.968	0.8	T__	48.9	---	ML	1.9	1299477	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
	(Reading ML: 1.9 magdef=1)																			
	(Station ML: 1.9 magdef=1)																			
A262A	1.31	242.8	Pg	21:17:15.502	-0.3	T__	111.5	---	ML	2.3	1299476	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
A262A	1.31	242.8	Sn	21:17:31.641	0.5	T__		---			1299494	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
	(Reading ML: 2.3 magdef=1)																			
	(Station ML: 2.3 magdef=1)																			
HU13A	1.32	111.0	Lg	21:17:35.916	-0.5	T__		---			1299496	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
RONA	1.33	280.4	Pn	21:17:14.990	0.8	T__		---			1299478	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	1.33	280.4	Sn	21:17:32.593	0.6	T__		---			1299495	FDSN	OE	--	BUD	iLoc	HHN	???	_	
HU23A	1.38	82.5	Lg	21:17:37.484	-0.7	T__		---			1299497	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
JAVC	1.43	345.1	Pn	21:17:16.926	1.0	T__	37.0	---	ML	1.9	1299479	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_	
	(Reading ML: 1.9 magdef=1)																			
	(Station ML: 1.9 magdef=1)																			

CONA 1.66 286.7 Sn 21:17:41.653 1.2 T\_\_ 1299498 FDSN OE -- BUD iLoc HHN ??? \_  
 HU02A 1.68 66.5 Pn 21:17:22.146 3.3 T\_\_ 20.4 --- ML 1.7 1299499 FDSN Z6 00 BUD iLoc HHZ HHZ \_  
 (Reading ML: 1.7 magdef=1  
 (Station ML: 1.7 magdef=0  
 ARSA 1.85 264.0 Sn 21:17:46.160 1.8 T\_\_ --- 1299500 FDSN OE -- BUD iLoc HHN ??? \_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/08/31 07:51:53.53 1.27 0.88 47.2443 18.2456 8.5 6.4 102 0.0f 6 5 160 0.12 1.16 sx BUD 19004534 BUD 214

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L  
 CSKK 0.12 4.9 Pg 07:51:57.033 0.5 T\_\_ 231.6 --- ML 1.0 1299783 FDSN HU -- BUD iLoc HHZ HHZ \_  
 CSKK 0.12 4.9 Lg 07:51:58.694 -0.8 T\_\_ --- 1299784 FDSN HU -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.0 magdef=1  
 (Station ML: 1.0 magdef=0  
 HU08A 0.29 310.6 Lg 07:52:04.368 -0.7 T\_\_ --- 1299785 FDSN Z6 00 BUD iLoc HHN ??? \_  
 MPLH 0.49 261.5 Lg 07:52:11.437 0.0 T\_\_ --- 1299786 FDSN HU -- BUD iLoc HHN ??? \_  
 MORH 1.07 165.0 Lg 07:52:29.492 -0.8 T\_\_ --- 1299787 FDSN HU -- BUD iLoc HHN ??? \_  
 KOVH 1.16 185.0 Sn 07:52:32.643 -0.6 T\_\_ --- 1299788 FDSN HU -- BUD iLoc HHE ??? \_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/08/31 08:32:27.96 1.00 1.33 46.1730 18.2868 9.5 3.7 154 0.0f 6 4 156 0.16 1.12 sx BUD 19004536 BUD 252

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L  
 KOVH 0.16 237.0 Pg 08:32:32.300 0.6 T\_\_ 502.4 --- ML 1.4 1299807 FDSN HU -- BUD iLoc HHZ HHZ \_  
 KOVH 0.16 237.0 Lg 08:32:33.670 -1.1 T\_\_ --- 1299808 FDSN HU -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.4 magdef=1  
 (Station ML: 1.4 magdef=1  
 MORH 0.25 80.3 Pg 08:32:34.254 0.7 T\_\_ 229.1 --- ML 1.4 1299805 FDSN HU -- BUD iLoc HHZ HHZ \_  
 MORH 0.25 80.3 Lg 08:32:36.591 -1.4 T\_\_ --- 1299806 FDSN HU -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.4 magdef=1  
 (Station ML: 1.4 magdef=1  
 A266A 0.35 357.5 Lg 08:32:40.900 -0.6 T\_\_ --- 1299809 FDSN Z6 00 BUD iLoc HHN ??? \_  
 MPLH 1.12 333.0 Sn 08:33:05.587 -1.0 T\_\_ --- 1299810 FDSN HU -- BUD iLoc HHN ??? \_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/08/31 09:16:16.26 2.46 1.05 45.5607 17.5146 19.8 11.0 177 15.0f 13 10 231 0.41 1.47 ke BUD 19004538 BUD 243

Magnitude Err Nsta Author OrigID  
ML 2.0 0.1 6 BUD 19004538

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L  
 A273A 0.41 30.6 Pg 09:16:24.522 -0.3 T\_\_ 299.6 --- ML 1.9 1299842 FDSN Z6 00 BUD iLoc HHZ HHZ \_  
 A273A 0.41 30.6 Lg 09:16:30.343 -0.2 T\_\_ --- 1299843 FDSN Z6 00 BUD iLoc HHN ??? \_  
 (Reading ML: 1.9 magdef=1  
 (Station ML: 1.9 magdef=1

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A264A  0.62 345.4 Lg      09:16:36.605 -0.3      T__
KOVH   0.67 37.6 Pg      09:16:29.118 -0.5      T__      146.1      --- ML      2.0 1299845      FDSN HU      -- BUD      iLoc      HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
A265A  0.89 12.7 Pn      09:16:33.691  0.7      T__      266.9      --- ML      2.4 1299846      FDSN Z6      00 BUD      iLoc      HHZ HHZ _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=0
MORH   1.02 49.9 Pn      09:16:35.766  1.0      T__      34.1      --- ML      1.6 1299848      FDSN HU      -- BUD      iLoc      HHZ HHZ _
MORH   1.02 49.9 Sn      09:16:50.628  1.5      T__      ---      ---      1299849      FDSN HU      -- BUD      iLoc      HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=0
BEHE   1.05 330.7 Pn     09:16:35.360 -0.1      T__      148.6      --- ML      2.3 1299847      FDSN HU      -- BUD      iLoc      HHZ HHZ _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=1
A266A  1.10 28.2 Lg      09:16:54.854  2.0      T__      ---      ---      1299851      FDSN Z6      00 BUD      iLoc      HHN ??? _
PTJ    1.14 288.3 Sn     09:16:52.223 -0.6      T__      ---      ---      1299850      FDSN CR      -- BUD      iLoc      BHN ??? _
KOGS   1.25 315.7 Lg     09:16:56.422  0.3      T__      ---      ---      1299841      FDSN SL      -- BUD      iLoc      BHN ??? _
CRES   1.47 281.2 Pn     09:16:42.285  0.6      T__      34.8      --- ML      1.9 1299840      FDSN SL      -- BUD      iLoc      BHZ BHZ _
CRES   1.47 281.2 Sn     09:17:01.745  1.4      T__      ---      ---      1299852      FDSN SL      -- BUD      iLoc      BHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1

```

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Date      Time      Err      RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author      OrigID      Rep  DPdep  Err Sgp
2023/08/31 10:00:01.62  1.58  1.71  48.5008  17.6209  13.2  3.7 121  0.0f      9  5 223  0.26  1.31  sx BUD      19004540      BUD      283

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```

Magnitude Err Nsta Author      OrigID
ML      1.4 0.4  3 BUD      19004540

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Sta      Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh  ACh L
MODS     0.26 241.0 Pg      10:00:07.207 -0.2      T__      ---      ---      1299883      FDSN SK      -- BUD      iLoc      HHZ ??? _
MODS     0.26 241.0 Lg      10:00:09.474 -2.6      T__      ---      ---      1299884      FDSN SK      -- BUD      iLoc      HHN ??? _
JAVC     0.36  5.2 Pg      10:00:09.900  0.5      T__      75.6      --- ML      1.2 1299885      FDSN CZ      -- BUD      iLoc      HHZ HHZ _
JAVC     0.36  5.2 Lg      10:00:13.264 -2.2      T__      ---      ---      1299890      FDSN CZ      -- BUD      iLoc      HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
KRUC     0.99 305.2 Pg      10:00:21.440  0.9      T__      24.1      --- ML      1.4 1299891      FDSN CZ      -- BUD      iLoc      HHZ HHZ _
KRUC     0.99 305.2 Lg      10:00:35.088  0.1      T__      ---      ---      1299886      FDSN CZ      -- BUD      iLoc      HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
RONA     1.20 228.4 Lg      10:00:42.413  1.6      T__      ---      ---      1299889      FDSN OE      -- BUD      iLoc      HHN ??? _
CONA     1.31 244.7 Pn      10:00:27.423  0.6      T__      31.4      --- ML      1.7 1299888      FDSN OE      -- BUD      iLoc      HHZ HHZ _
CONA     1.31 244.7 Lg      10:00:45.479  1.3      T__      ---      ---      1299887      FDSN OE      -- BUD      iLoc      HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1

```

```

Date      Time      Err      RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author      OrigID      Rep  DPdep  Err Sgp
2023/08/31 10:05:53.59  1.41  1.12  47.2541  18.2724  8.6  5.9 105  0.0f      7  6 155  0.11  1.17  sx BUD      19004542      BUD      174
2023/08/31 10:05:53.18  1.02  0.98  47.2302  18.2835f  0.0f      7  6 156  0.13  1.15  kx BUD_GT  19004543      BUD_GT      177
(locality: Iszkaszentgyörgy Hungary)
(GT info : GT2 explosion)

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Magnitude	Err	Nsta	Author	OrigID	Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
					CSKK	0.13	353.3	Lg	10:05:58.786	-0.8					T__						1299912	FDSN	HU	--	BUD	iLoc	HHN	???	_	
					HU08A	0.32	309.6	Pg	10:06:00.830	0.8					T__		65.1			ML	1.0	1299914	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
					HU08A	0.32	309.6	Lg	10:06:04.407	-1.3					T__						1299913	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
									(Reading ML: 1.0 magdef=1																					
									(Station ML: 1.0 magdef=0																					
					HU09A	0.41	9.3	Lg	10:06:07.856	-1.4					T__						1299915	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
					MPLH	0.51	263.5	Lg	10:06:11.178	-0.7					T__						1299916	FDSN	HU	--	BUD	iLoc	HHN	???	_	
					MORH	1.05	166.2	Lg	10:06:29.829	0.6					T__						1299917	FDSN	HU	--	BUD	iLoc	HHN	???	_	
					KOVH	1.15	186.4	Sn	10:06:32.640	0.0					T__						1299918	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/08/31	11:48:15.42	0.94	1.07	47.8720	16.0598	6.0	3.8	35	0.0f		9	6	82	0.14	1.47	sx	BUD	19004544	BUD			155

Magnitude	Err	Nsta	Author	OrigID	Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
					CONA	0.14	293.0	Pg	11:48:18.832	0.3					T__		169.8			ML	0.9	1299960	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
					CONA	0.14	293.0	Lg	11:48:19.918	-0.9					T__						1299961	FDSN	OE	--	BUD	iLoc	HHN	???	_	
									(Reading ML: 0.9 magdef=1																					
									(Station ML: 0.9 magdef=1																					
					RONA	0.23	137.1	Pg	11:48:20.535	0.1					T__						1299962	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
					RONA	0.23	137.1	Lg	11:48:24.421	0.6					T__						1299966	FDSN	OE	--	BUD	iLoc	HHN	???	_	
					ARSA	0.72	210.5	Lg	11:48:37.792	-0.6					T__						1299963	FDSN	OE	--	BUD	iLoc	HHN	???	_	
					MODS	0.96	57.9	Lg	11:48:48.353	-1.3					T__						1299967	FDSN	SK	--	BUD	iLoc	HHN	???	_	
					KRUC	1.21	10.5	Pg	11:48:39.070	0.4					T__		31.9			ML	1.7	1299965	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
					KRUC	1.21	10.5	Sn	11:48:55.677	-0.5					T__						1299964	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
									(Reading ML: 1.7 magdef=1																					
									(Station ML: 1.7 magdef=1																					
					TREC	1.47	345.3	Lg	11:49:05.216	1.8					T__						1299968	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/09/01	06:15:25.02	1.33	0.96	47.7665	19.1392	11.4	4.8	174	0.0f		10	8	175	0.11	1.15	sx	BUD	19004554	BUD			241	
2023/09/01	06:15:25.63	0.93	0.93	47.8327	19.1394f				0.0f		10	8	164	0.08	1.11	kx	BUD_GT	19004555	BUD_GT			198	
									(locality: Sejce-Vác Hungary)														
									(GT info : GT2 explosion)														

Magnitude	Err	Nsta	Author	OrigID	Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
					HU10A	0.08	278.8	Pg	06:15:28.027	0.2					T__		1520.6			ML	1.7	1301206	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
					HU10A	0.08	278.8	Lg	06:15:29.817	0.0					T__						1301207	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
									(Reading ML: 1.7 magdef=1																					
									(Station ML: 1.7 magdef=0																					
					HU03A	0.32	76.9	Lg	06:15:38.207	0.4					T__						1301208	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
					PSZ	0.52	80.1	Lg	06:15:44.196	-1.0					T__						1301209	FDSN	GE	--	BUD	iLoc	HHN	???	_	
					HU08A	0.92	244.4	Lg	06:15:56.539	-1.8					T__						1301210	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

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HU02A  0.98  72.2 Pg      06:15:46.351  0.6      T__      21.2      ___ ML      1.4 1301205  FDSN Z6      00 BUD  iLoc  HHZ HHZ  _
HU02A  0.98  72.2 Lg      06:15:59.826 -1.4      T__      ___      ___      1301211  FDSN Z6      00 BUD  iLoc  HHN ???  _
(Reading ML:  1.4 magdef=1
(Station ML:  1.4 magdef=0
CP17A  1.00  66.7 Sn      06:16:01.141 -0.3      T__      ___      ___      1301212  FDSN Z6      00 BUD  iLoc  HHN ???  _
CP16A  1.07  61.0 Lg      06:16:04.208  0.7      T__      ___      ___      1301213  FDSN Z6      00 BUD  iLoc  HHN ???  _
KECS   1.11  53.7 Lg      06:16:05.742  0.8      T__      ___      ___      1301214  FDSN SK      -- BUD  iLoc  EHN ???  _

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Date      Time      Err      RMS Latitude Longitude Smaj Smin Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author      OrigID      Rep  DPdep  Err Sgp
2023/09/01 09:06:40.89  1.44  1.10  47.7856  19.1703  15.3  4.4 173  0.0f      8   7 180  0.12  1.12  sx BUD      19004558  BUD      BUD      225
2023/09/01 09:06:41.47  0.97  0.94  47.8327  19.1394f  0.0f      8   7 169  0.08  1.11  kx BUD_GT  19004559  BUD_GT      BUD      198

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(locality: Sejce-Vác Hungary)  
(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID

```

Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh  ACh  L
HU10A  0.08  278.8 Pg      09:06:43.730  0.1      T__      ___      ___      1670.8  ___ ML      1.8 1301671  FDSN Z6      00 BUD  iLoc  HHZ HHZ  _
HU10A  0.08  278.8 Lg      09:06:46.469  0.8      T__      ___      ___      ___      ___      1301672  FDSN Z6      00 BUD  iLoc  HHE ???  _
(Reading ML:  1.8 magdef=1
(Station ML:  1.8 magdef=0
PSZ   0.52  80.1 Lg      09:07:00.584 -0.4      T__      ___      ___      ___      ___      1301674  FDSN GE      -- BUD  iLoc  HHN ???  _
HU09A  0.55  249.5 Lg      09:07:01.533 -0.4      T__      ___      ___      ___      ___      1301673  FDSN Z6      00 BUD  iLoc  HHN ???  _
HU02A  0.98  72.2 Lg      09:07:15.702 -1.3      T__      ___      ___      ___      ___      1301675  FDSN Z6      00 BUD  iLoc  HHN ???  _
CP17A  1.00  66.7 Lg      09:07:16.433 -0.7      T__      ___      ___      ___      ___      1301676  FDSN Z6      00 BUD  iLoc  HHN ???  _
CP16A  1.07  61.0 Lg      09:07:20.888  1.6      T__      ___      ___      ___      ___      1301677  FDSN Z6      00 BUD  iLoc  HHN ???  _
KECS   1.11  53.7 Lg      09:07:20.158 -0.6      T__      ___      ___      ___      ___      1301678  FDSN SK      -- BUD  iLoc  EHN ???  _

```

```

Date      Time      Err      RMS Latitude Longitude Smaj Smin Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author      OrigID      Rep  DPdep  Err Sgp
2023/09/02 20:04:41.54  1.64  0.25  46.0618  18.4561  16.7  3.6 161  0.7  4.2  8   5 192  0.20  0.54  ke BUD      19004566  BUD      BUD      216

```

Magnitude Err Nsta Author OrigID  
ML 1.3 0.8 4 BUD 19004566

```

Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh  ACh  L
MORH  0.20  40.3 Pg      20:04:45.960  0.0      T__      ___      ___      82.9  ___ ML      0.8 1306092  FDSN HU      -- BUD  iLoc  HHZ HHZ  _
MORH  0.20  40.3 Lg      20:04:49.332 -0.0      T__      ___      ___      ___      ___      1306093  FDSN HU      -- BUD  iLoc  HHN ???  _
(Reading ML:  0.8 magdef=1
(Station ML:  0.8 magdef=1
KOVH  0.25  276.2 Pg      20:04:47.042  0.1      T__      ___      ___      29.1  ___ ML      0.5 1306096  FDSN HU      -- BUD  iLoc  HHZ HHZ  _
KOVH  0.25  276.2 Lg      20:04:50.696 -0.1      T__      ___      ___      ___      ___      1306095  FDSN HU      -- BUD  iLoc  HHN ???  _
(Reading ML:  0.5 magdef=1
(Station ML:  0.5 magdef=1
A273A  0.47  252.2 Pg      20:04:51.253  0.1      T__      ___      ___      143.7  ___ ML      1.8 1306097  FDSN Z6      00 BUD  iLoc  HHZ HHZ  _
A273A  0.47  252.2 Lg      20:04:56.955 -0.4      T__      ___      ___      ___      ___      1306098  FDSN Z6      00 BUD  iLoc  HHN ???  _
(Reading ML:  1.8 magdef=1
(Station ML:  1.8 magdef=1
A266A  0.48  344.1 Lg      20:04:58.635 -0.1      T__      ___      ___      ___      ___      1306099  FDSN Z6      00 BUD  iLoc  HHN ???  _
HU22A  0.54  60.2 Pg      20:04:52.573  0.1      T__      ___      ___      132.9  ___ ML      1.9 1306094  FDSN Z6      00 BUD  iLoc  HHZ HHZ  _
(Reading ML:  1.9 magdef=1

```

(Station ML: 1.9 magdef=1)

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/04	08:43:52.86	1.72	1.75	48.6635	21.3364	13.4	7.5	157	0.0f		6	5	173	0.37	0.96	sx	BUD	19004572	BUD			230

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.37	190.0	Lg	08:44:08.346	1.2					T__						1307920	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KECS	0.59	252.6	Lg	08:44:14.222	0.5					T__						1307921	FDSN	SK	--	BUD	iLoc	EHN	???	_	
KOLS	0.68	66.1	Lg	08:44:17.544	0.7					T__						1307923	FDSN	SK	--	BUD	iLoc	HHN	???	_	
HU02A	0.77	225.3	Pg	08:44:08.559	-0.1					T__		44.8			ML	1.6	1307919	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.77	225.3	Lg	08:44:19.247	-1.3					T__						1307922	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=0)																									
TRPA	0.96	123.2	Lg	08:44:24.613	-2.3					T__						1307924	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/04	10:00:25.97	1.14	1.09	48.1530	17.0183	23.4	3.8	134	0.0f		7	5	189	0.28	1.35	sx	BUD	19004574	BUD			195

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.28	38.0	Pg	10:00:32.565	0.4					T__						1307972	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.28	38.0	Lg	10:00:35.503	-1.7					T__						1307975	FDSN	SK	--	BUD	iLoc	HHN	???	_	
RONA	0.66	227.2	Pg	10:00:39.285	0.0					T__						1307976	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.66	227.2	Lg	10:00:47.621	-0.5					T__						1307973	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.81	254.3	Lg	10:00:52.042	-0.5					T__						1307974	FDSN	OE	--	BUD	iLoc	HHN	???	_	
JAVC	0.83	31.3	Pg	10:00:43.832	0.8					T__		68.6			ML	1.8	1307977	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=0)																									
ARSA	1.35	228.7	Lg	10:01:09.751	0.7					T__						1307971	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/04	10:12:46.65	2.76	1.53	47.7639	20.1873	19.9	4.6	166	0.0f		11	7	237	0.25	0.88	sx	BUD	19004576	BUD			257

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.1	4 BUD	19004576

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.25	308.2	Pg	10:12:53.239	0.7					T__		512.8			ML	1.7	1308004	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.25	308.2	Lg	10:12:55.837	-1.3					T__						1308006	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
HU03A	0.42	289.7	Lg	10:13:01.381	-1.0					T__						1308007	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.42	32.2	Pg	10:12:56.199	0.4					T__		133.7			ML	1.6	1308001	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.42	32.2	Lg	10:13:01.948	-1.0					T__						1308008	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									

```

CP17A 0.50 25.4 Pg 10:12:58.211 1.1 T__ 141.5 ___ ML 1.9 1308002 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP17A 0.50 25.4 Lg 10:13:04.811 -0.1 T__ ___ 1308009 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
CP16A 0.63 22.1 Lg 10:13:08.497 -0.4 T__ ___ 1308010 FDSN Z6 00 BUD iLoc HHN ??? _
KECS 0.75 15.4 Pg 10:13:02.640 1.0 T__ 71.2 ___ ML 1.8 1308003 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.75 15.4 Lg 10:13:12.476 -0.5 T__ ___ 1308011 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
ABAH 0.88 52.6 Lg 10:13:15.115 -3.4 T__ ___ 1308005 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/09/04 10:18:10.46 1.17 1.00 47.1141 17.9240 7.1 6.1 96 0.0f 6 5 109 0.27 1.03 sx BUD 19004578 BUD 186

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
MPLH 0.27 282.2 Lg 10:18:21.196 0.0 T__ ___ 1308033 FDSN HU -- BUD iLoc HHN ??? _
HU08A 0.32 360.0 Lg 10:18:22.820 -0.3 T__ ___ 1308034 FDSN Z6 00 BUD iLoc HHN ??? _
CSKK 0.34 42.5 Pg 10:18:17.940 0.2 T__ 148.9 ___ ML 1.4 1308035 FDSN HU -- BUD iLoc HHZ HHZ _
CSKK 0.34 42.5 Lg 10:18:23.582 -0.4 T__ ___ 1308036 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=0
MORH 1.03 150.9 Lg 10:18:46.751 0.8 T__ ___ 1308037 FDSN HU -- BUD iLoc HHN ??? _
KOVH 1.03 173.2 Lg 10:18:44.935 -1.4 T__ ___ 1308038 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/09/04 10:45:03.42 1.07 0.69 47.0289 17.4633 8.9 4.9 114 0.0f 7 6 129 0.15 1.15 sx BUD 19004580 BUD 201

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
MPLH 0.15 20.2 Pg 10:45:07.665 0.5 T__ 338.5 ___ ML 1.2 1308055 FDSN HU -- BUD iLoc HHZ HHZ _
MPLH 0.15 20.2 Lg 10:45:09.709 -0.6 T__ ___ 1308056 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=0
BADH 0.22 178.4 Lg 10:45:11.909 -0.4 T__ ___ 1308058 FDSN HU -- BUD iLoc HHN ??? _
A261A 0.23 250.5 Lg 10:45:11.987 -0.5 T__ ___ 1308057 FDSN Z6 00 BUD iLoc HHN ??? _
HU08A 0.51 37.8 Lg 10:45:21.702 -0.9 T__ ___ 1308059 FDSN Z6 00 BUD iLoc HHN ??? _
KOVH 1.04 154.7 Lg 10:45:38.927 -0.1 T__ ___ 1308060 FDSN HU -- BUD iLoc HHN ??? _
MORH 1.15 134.6 Sn 10:45:42.587 0.0 T__ ___ 1308061 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/09/05 06:20:41.29 1.13 0.59 47.3019 18.3423 7.9 4.2 71 0.0f 8 7 105 0.08 1.22 sx BUD 19004584 BUD 160

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CSKK 0.08 317.8 Pg 06:20:43.828 0.2 T__ 1442.9 ___ ML 1.7 1308890 FDSN HU -- BUD iLoc HHZ HHZ _

```

CSKK	0.08	317.8	Lg	06:20:44.978	-1.0	T__	---	1308893	FDSN	HU	--	BUD	iLoc	HNN	???	_
(Reading ML: 1.7 magdef=1)																
(Station ML: 1.7 magdef=0)																
HU08A	0.31	294.6	Lg	06:20:53.869	0.2	T__	---	1308894	FDSN	Z6	00	BUD	iLoc	HNN	???	_
HU09A	0.34	4.6	Lg	06:20:54.613	-0.0	T__	---	1308895	FDSN	Z6	00	BUD	iLoc	HNN	???	_
A267A	0.37	164.9	Lg	06:20:55.123	-0.3	T__	---	1308897	FDSN	Z6	00	BUD	iLoc	HNN	???	_
MPLH	0.56	256.8	Lg	06:21:01.530	-0.1	T__	---	1308896	FDSN	HU	--	BUD	iLoc	HNN	???	_
MORH	1.11	169.1	Lg	06:21:19.268	-0.1	T__	---	1308892	FDSN	HU	--	BUD	iLoc	HNN	???	_
PSZ	1.22	59.0	Sn	06:21:24.038	0.7	T__	---	1308891	FDSN	GE	--	BUD	iLoc	HNN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/05	06:57:22.95	0.94	0.82	47.2269	17.9760	5.1	3.7	135	0.0f	9	7	100	0.21	1.14	sx	BUD	19004586	BUD				160

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.4	3 BUD	19004586

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
HU08A	0.21	350.2	Lg	06:57:30.872	-0.9					T__						1308922	FDSN	Z6	00	BUD	iLoc	HNN	???	_		
CSKK	0.24	54.8	Pg	06:57:28.892	0.6					T__		194.2			ML	1.2	1308918	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
CSKK	0.24	54.8	Lg	06:57:31.703	-1.2					T__						1308919	FDSN	HU	--	BUD	iLoc	HNN	???	_		
(Reading ML: 1.2 magdef=1)																										
(Station ML: 1.2 magdef=1)																										
MPLH	0.30	259.4	Pg	06:57:29.808	0.2					T__		228.7			ML	1.5	1308921	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
MPLH	0.30	259.4	Lg	06:57:34.769	-0.0					T__						1308920	FDSN	HU	--	BUD	iLoc	HNN	???	_		
(Reading ML: 1.5 magdef=1)																										
(Station ML: 1.5 magdef=1)																										
TIH	0.33	189.9	Pg	06:57:30.404	0.4					T__		452.9			ML	1.9	1308923	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 1.9 magdef=1)																										
(Station ML: 1.9 magdef=1)																										
HU09A	0.50	33.7	Lg	06:57:41.821	-0.0					T__						1308924	FDSN	Z6	00	BUD	iLoc	HNN	???	_		
MORH	1.11	155.4	Lg	06:58:00.222	-1.0					T__						1308925	FDSN	HU	--	BUD	iLoc	HNN	???	_		
KOVH	1.14	175.7	Sn	06:58:01.924	-0.2					T__						1308926	FDSN	HU	--	BUD	iLoc	HNN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/05	06:58:22.44	1.13	1.01	47.8601	20.1356	8.4	3.5	153	0.0f	13	10	159	0.17	1.56	sx	BUD	19004588	BUD				169
2023/09/05	06:58:22.93	0.91	1.09	47.8987	20.0893f				0.0f	13	10	149	0.13	1.54	kx	BUD_GT	19004589	BUD_GT				161
(locality: Recsk Hungary)																						
(GT info : GT2 explosion)																						

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.1	3 BUD_GT	19004589

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
PSZ	0.13	278.6	Pg	06:58:27.061	0.7					T__		2994.3				1308955	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_		
PSZ	0.13	278.6	Lg	06:58:29.787	0.4					T__						1308958	FDSN	GE	--	BUD	iLoc	HNN	???	_		
(Reading ML: 2.1 magdef=1)																										
(Station ML: 2.1 magdef=1)																										
HU03A	0.33	271.1	Lg	06:58:36.026	0.5					T__						1308960	FDSN	Z6	00	BUD	iLoc	HNN	???	_		
HU02A	0.37	52.4	Pg	06:58:31.332	0.4					T__		376.2			ML	1.9	1308956	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU02A	0.37	52.4	Lg	06:58:35.462	-1.8					T__						1308959	FDSN	Z6	00	BUD	iLoc	HNN	???	_		



```

(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
CP17A 0.43 41.3 Pg 06:58:32.334 0.5 T__ 555.2 ___ ML 2.2 1308957 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP17A 0.43 41.3 Lg 06:58:36.763 -1.7 T__ ___ 1308961 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
CP16A 0.54 34.1 Lg 06:58:41.963 -0.1 T__ ___ 1308962 FDSN Z6 00 BUD iLoc HHN ??? _
HU01A 0.64 210.0 Lg 06:58:44.632 -2.0 T__ ___ 1308963 FDSN Z6 00 BUD iLoc HHN ??? _
KECS 0.64 24.2 Lg 06:58:45.325 -0.4 T__ ___ 1308964 FDSN SK -- BUD iLoc EHN ??? _
HU04B 1.17 202.4 Sn 06:59:01.937 -0.6 T__ ___ 1308965 FDSN Z6 00 BUD iLoc HHN ??? _
HU09A 1.18 257.9 Sn 06:59:03.854 0.5 T__ ___ 1308966 FDSN Z6 00 BUD iLoc HHN ??? _
HU08A 1.54 253.1 Sn 06:59:13.425 1.4 T__ ___ 1308967 FDSN Z6 00 BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/09/05 09:06:46.94 1.56 0.51 48.4048 17.4785 13.3 4.0 132 0.0f 7 5 213 0.14 1.18 sx BUD 19004590 BUD 275

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
MODS 0.14 257.0 Pg 09:06:50.525 0.2 T__ ___ 1308988 FDSN SK -- BUD iLoc HHZ ??? _
MODS 0.14 257.0 Lg 09:06:52.547 -0.7 T__ ___ 1308989 FDSN SK -- BUD iLoc HHN ??? _
JAVC 0.47 15.6 Pg 09:06:57.061 0.1 T__ 66.2 ___ ML 1.4 1308991 FDSN CZ -- BUD iLoc HHZ HHZ _
JAVC 0.47 15.6 Lg 09:07:04.173 -0.5 T__ ___ 1308990 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=0
KRUC 0.97 312.9 Lg 09:07:20.184 0.3 T__ ___ 1308992 FDSN CZ -- BUD iLoc HHN ??? _
RONA 1.06 228.8 Lg 09:07:21.771 -0.0 T__ ___ 1308993 FDSN OE -- BUD iLoc HHN ??? _
CONA 1.18 246.8 Sn 09:07:28.243 0.4 T__ ___ 1308994 FDSN OE -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/09/05 09:53:48.34 0.99 0.59 47.8850 16.0670 6.9 4.0 27 0.0f 7 5 82 0.14 1.20 sx BUD 19004592 BUD 160

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CONA 0.14 287.5 Pg 09:53:51.621 0.2 T__ 226.9 ___ ML 1.1 1309011 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.14 287.5 Lg 09:53:53.048 -0.7 T__ ___ 1309012 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=0
RONA 0.24 140.1 Pg 09:53:53.516 0.1 T__ ___ 1309014 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.24 140.1 Lg 09:53:56.327 -0.7 T__ ___ 1309013 FDSN OE -- BUD iLoc HHN ??? _
ARSA 0.73 210.3 Lg 09:54:12.413 0.6 T__ ___ 1309015 FDSN OE -- BUD iLoc HHN ??? _
MODS 0.95 58.5 Lg 09:54:22.441 0.3 T__ ___ 1309017 FDSN SK -- BUD iLoc HHN ??? _
KRUC 1.20 10.4 Sn 09:54:28.594 -0.2 T__ ___ 1309016 FDSN CZ -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/09/05 12:03:24.58 1.02 0.36 45.6305 22.3903 8.3 4.7 27 10.0f 6 3 137 0.36 1.18 ke BUD 19004596 BUD 258

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Magnitude Err Nsta Author OrigID

ML 1.8 0.4 3 BUD 19004596

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
GZR	0.36	131.0	Pg	12:03:31.958	0.1					T__		315.5		---	ML	1.8	1309072	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	0.36	131.0	Lg	12:03:37.090	-0.2					T__				---		1309071	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
BZS	0.54	268.8	Pg	12:03:35.471	0.1					T__		49.1		---	ML	1.5	1309073	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.54	268.8	Lg	12:03:42.775	-0.2					T__				---		1309074	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
DRGR	1.18	10.7	Pg	12:03:47.863	0.1					T__		80.0		---	ML	2.1	1309076	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	1.18	10.7	Lg	12:04:02.980	-0.5					T__				---		1309075	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/05	12:30:51.65	2.01	0.86	46.0577	21.6504	18.7	9.5	119	15.0f		7	4	221	0.44	1.60	ke	BUD	19004598	BUD			288

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.0	3 BUD	19004598

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BZS	0.44	183.1	Pg	12:31:00.767	0.1					T__		38.1		---	ML	1.1	1309102	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.44	183.1	Lg	12:31:06.515	-0.5					T__				---		1309100	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
GZR	1.03	129.7	Pn	12:31:11.454	0.5					T__		39.4		---	ML	1.7	1309099	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	1.03	129.7	Lg	12:31:25.400	0.1					T__				---		1309103	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
DRGR	1.04	44.6	Pn	12:31:11.518	0.7					T__		41.8		---	ML	1.7	1309101	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	1.04	44.6	Lg	12:31:24.911	-1.2					T__				---		1309104	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
LOT	1.60	111.6	Sn	12:31:39.198	-0.7					T__				---		1309105	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/05	13:43:01.79	2.41	0.98	48.3863	21.8049	23.9	8.6	144	0.0f		11	7	221	0.39	1.36	sx	BUD	19004600	BUD			333

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.4	4 BUD	19004600

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.39	256.7	Pg	13:43:10.177	0.4					T__		70.2		---	ML	1.2	1309139	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.39	256.7	Lg	13:43:15.798	-0.8					T__				---		1309138	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
KOLS	0.63	29.4	Lg	13:43:22.949	-1.4					T__				---		1309140	FDSN	SK	--	BUD	iLoc	HHN	???	_	
CP16A	0.84	267.5	Pg	13:43:19.375	0.7					T__		60.0		---	ML	1.7	1309134	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_

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CP16A  0.84 267.5 Lg      13:43:31.040 -0.3      T__          ---          1309141      FDSN Z6      00 BUD      iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
CP17A  0.88 259.5 Lg      13:43:32.682 -0.0      T__          ---          1309135      FDSN Z6      00 BUD      iLoc HHN ??? _
KECS   0.88 276.8 Pg      13:43:20.088  0.7      T__         106.4      --- ML      2.0 1309133      FDSN SK      -- BUD      iLoc EHZ EHZ _
KECS   0.88 276.8 Lg      13:43:31.551 -1.0      T__          ---          1309142      FDSN SK      -- BUD      iLoc EHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
HU02A  0.90 253.3 Pg      13:43:20.248  0.0      T__         33.2      --- ML      1.5 1309136      FDSN Z6      00 BUD      iLoc HHZ HHZ _
HU02A  0.90 253.3 Lg      13:43:32.384 -1.7      T__          ---          1309137      FDSN Z6      00 BUD      iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
PSZ    1.36 250.6 Sn      13:43:47.647  0.3      T__          ---          1309143      FDSN GE      -- BUD      iLoc HHN ??? _

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Date      Time      Err    RMS Latitude Longitude Smaj Smin Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author      OrigID      Rep  DPdep  Err Sgp
2023/09/05 19:07:51.12  0.97  1.43 48.3826 17.2496  7.9  5.1 111 10.0f      6   4 107  0.02  0.94  ke BUD      19004604      BUD                204

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Magnitude Err Nsta Author      OrigID

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Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
MODS 0.02 115.9 Pg      19:07:53.080 -0.2      T__          ---          1310123      FDSN SK      -- BUD      iLoc HHZ ??? _
MODS 0.02 115.9 Lg      19:07:54.666 -0.5      T__          ---          1310124      FDSN SK      -- BUD      iLoc HHN ??? _
JAVC 0.55 30.2 Pg      19:08:03.885  1.3      T__         42.8      --- ML      1.4 1310125      FDSN CZ      -- BUD      iLoc HHZ HHZ _
JAVC 0.55 30.2 Lg      19:08:09.889 -1.3      T__          ---          1310127      FDSN CZ      -- BUD      iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=0
KRUC  0.88 320.6 Lg      19:08:19.726 -1.4      T__          ---          1310126      FDSN CZ      -- BUD      iLoc HHN ??? _
RONA  0.94 223.5 Lg      19:08:22.611  0.6      T__          ---          1310128      FDSN OE      -- BUD      iLoc HHN ??? _

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```

Date      Time      Err    RMS Latitude Longitude Smaj Smin Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author      OrigID      Rep  DPdep  Err Sgp
2023/09/05 22:03:51.01  0.83  0.99 47.2879 16.4447  3.7  3.1  80 10.0f      22  14  65  0.18  1.78  ke BUD      19004606      BUD                123

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Magnitude Err Nsta Author      OrigID
ML      1.6 0.2      7 BUD      19004606

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Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
A260A 0.18 91.4 Pg      22:03:54.453 -0.7      T__         585.9      --- ML      1.6 1310173      FDSN Z6      00 BUD      iLoc HHZ HHZ _
A260A 0.18 91.4 Lg      22:03:56.955 -1.1      T__          ---          1310172      FDSN Z6      00 BUD      iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
SOP   0.40 11.0 Pg      22:03:58.765 -0.5      T__         64.7      --- ML      1.2 1310169      FDSN HU      -- BUD      iLoc HHZ HHZ _
SOP   0.40 11.0 Lg      22:04:04.971  0.1      T__          ---          1310177      FDSN HU      -- BUD      iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=0
RONA  0.42 346.3 Pg      22:03:59.190 -0.6      T__          ---          1310168      FDSN OE      -- BUD      iLoc HHZ ??? _
RONA  0.42 346.3 Lg      22:04:05.493 -0.2      T__          ---          1310167      FDSN OE      -- BUD      iLoc HHN ??? _
A262A 0.43 172.4 Pg      22:03:59.832  0.1      T__        131.5      --- ML      1.6 1310175      FDSN Z6      00 BUD      iLoc HHZ HHZ _
A262A 0.43 172.4 Lg      22:04:05.069 -0.6      T__          ---          1310176      FDSN Z6      00 BUD      iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1

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EGYH	0.62	77.6	Pg	22:04:04.535	1.1	T__	88.0	---	ML	1.8	1310174	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
EGYH	0.62	77.6	Lg	22:04:13.669	1.2	T__		---			1310178	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1)																			
(Station ML: 1.8 magdef=1)																			
ARSA	0.63	266.9	Pg	22:04:04.343	1.0	T__	40.7	---	ML	1.5	1310170	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
ARSA	0.63	266.9	Lg	22:04:10.943	-0.4	T__		---			1310171	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.5 magdef=1)																			
(Station ML: 1.5 magdef=1)																			
CONA	0.75	328.6	Pg	22:04:06.217	0.2	T__	33.0	---	ML	1.4	1310166	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.75	328.6	Lg	22:04:16.458	0.5	T__		---			1310180	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.4 magdef=1)																			
(Station ML: 1.4 magdef=1)																			
MPLH	0.76	98.6	Lg	22:04:16.472	-0.5	T__		---			1310179	FDSN	HU	--	BUD	iLoc	HHN	???	_
BEHE	0.85	164.4	Lg	22:04:18.486	-0.4	T__		---			1310183	FDSN	HU	--	BUD	iLoc	HHN	???	_
KOGS	0.85	189.1	Pn	22:04:07.920	-0.3	T__	66.4	---	ML	1.8	1310182	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.85	189.1	Lg	22:04:18.694	0.0	T__		---			1310181	FDSN	SL	--	BUD	iLoc	BHN	???	_
(Reading ML: 1.8 magdef=1)																			
(Station ML: 1.8 magdef=0)																			
HU08A	1.02	81.3	Sn	22:04:25.331	0.6	T__		---			1310184	FDSN	Z6	00	BUD	iLoc	HHE	???	_
MODS	1.22	27.0	Lg	22:04:32.597	0.4	T__		---			1310185	FDSN	SK	--	BUD	iLoc	HHN	???	_
CRES	1.61	205.3	Lg	22:04:42.850	-0.3	T__		---			1310186	FDSN	SL	--	BUD	iLoc	BHN	???	_
KRUC	1.78	358.9	Sn	22:04:46.810	3.3	T__		---			1310187	FDSN	CZ	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/06	00:01:56.53	1.24	0.49	48.5186	17.5205	9.6	3.4	115	1.7	29.5	11	7	209	0.22	1.26	ke	BUD	19004610	BUD			224

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.3	4 BUD	19004610

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
MODS	0.22	228.2	Pg	00:02:01.389	0.2					T__						1310295	FDSN	SK	--	BUD	iLoc	HHZ	???	_		
MODS	0.22	228.2	Lg	00:02:04.284	-0.7					T__						1310296	FDSN	SK	--	BUD	iLoc	HHN	???	_		
JAVC	0.36	16.2	Pg	00:02:03.928	-0.1					T__	49.7				---	ML	1.0	1310297	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.0 magdef=1)																										
(Station ML: 1.0 magdef=1)																										
KRUC	0.92	306.6	Pg	00:02:14.324	0.2					T__	30.6				---	ML	1.5	1310298	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	0.92	306.6	Lg	00:02:27.642	0.1					T__					---			1310299	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.5 magdef=1)																										
(Station ML: 1.5 magdef=1)																										
VRAC	1.00	322.6	Lg	00:02:29.167	-0.7					T__					---			1310300	FDSN	CZ	--	BUD	iLoc	HHN	???	_
RONA	1.16	225.5	Lg	00:02:34.428	-0.1					T__					---			1310294	FDSN	OE	--	BUD	iLoc	HHN	???	_
CONA	1.26	242.6	Pn	00:02:20.631	-0.1					T__	33.4				---	ML	1.7	1310293	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	1.26	242.6	Lg	00:02:37.750	0.3					T__					---			1310292	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1)																										
(Station ML: 1.7 magdef=1)																										
MORC	1.26	0.7	Pn	00:02:20.403	-0.2					T__	43.8				---	ML	1.8	1310302	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
MORC	1.26	0.7	Lg	00:02:37.947	0.7					T__					---			1310301	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1)																										
(Station ML: 1.8 magdef=1)																										

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/06	06:52:52.27	0.86	1.14	47.9543	19.4002	6.1	2.8	159	0.0f		26	19	104	0.14	1.50	sx	BUD	19004612	BUD			126
2023/09/06	06:52:52.09	0.81	1.14	47.8920	19.4049f				0.0f		26	19	99	0.13	1.51	kx	BUD_GT	19004613	BUD_GT			120

(locality : Bercel Hungary)  
 (description : known quarry blast)  
 (GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
ML	2.3	0.1	8 BUD	19004613
ML	2.3	0.1	8 BUD_GT	

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU03A	0.13	84.8	Lg	06:52:57.530	-0.3					T__						1310353	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU10A	0.26	259.9	Pg	06:52:58.339	0.5					T__		1671.4			ML	2.3	1310359	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU10A	0.26	259.9	Lg	06:53:04.471	1.9					T__						1310360	FDSN	Z6	00	BUD	iLoc	HHE	???	_	
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=1)																									
PSZ	0.33	85.2	Pg	06:52:59.680	0.1					T__		448.9			ML	1.9	1310351	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.33	85.2	Lg	06:53:04.875	-0.4					T__						1310352	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=0)																									
BUD	0.48	212.3	Lg	06:53:10.432	0.0					T__						1310362	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU01A	0.57	165.0	Sn	06:53:16.648	-1.0					T__						1310373	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU23A	0.62	113.6	Sn	06:53:17.544	-1.4					T__						1310354	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU09A	0.73	250.2	Pg	06:53:06.941	0.0					T__		395.0			ML	2.5	1310364	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU09A	0.73	250.2	Lg	06:53:19.801	0.7					T__						1310363	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.5 magdef=1)																									
(Station ML: 2.5 magdef=1)																									
HU02A	0.79	72.6	Pg	06:53:07.579	-0.9					T__		158.7			ML	2.1	1310356	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.79	72.6	Lg	06:53:18.140	-2.6					T__						1310355	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
CP17A	0.81	65.8	Pg	06:53:08.516	-0.0					T__		246.6			ML	2.3	1310357	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.81	65.8	Lg	06:53:21.291	0.5					T__						1310358	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=1)																									
BSZH	0.83	135.1	Sn	06:53:25.762	1.9					T__						1310361	FDSN	HU	--	BUD	iLoc	HHN	???	_	
CP16A	0.88	58.9	Lg	06:53:22.269	-0.9					T__						1310372	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KECS	0.93	50.3	Pn	06:53:11.549	0.2					T__		722.7			ML	2.9	1310371	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.93	50.3	Lg	06:53:23.302	-1.5					T__						1310370	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.9 magdef=1)																									
(Station ML: 2.9 magdef=0)																									
HU08A	1.10	245.8	Pg	06:53:14.137	0.2					T__		222.3			ML	2.5	1310366	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU08A	1.10	245.8	Lg	06:53:31.978	0.9					T__						1310374	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.5 magdef=1)																									
(Station ML: 2.5 magdef=1)																									
A267A	1.13	213.9	Lg	06:53:34.407	2.2					T__						1310365	FDSN	Z6	00	BUD	iLoc	HHE	???	_	
ABAH	1.29	71.1	Lg	06:53:36.577	-0.9					T__						1310375	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MPLH	1.46	240.9	Pg	06:53:20.780	-0.5					T__		94.5			ML	2.3	1310367	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=1)																									
EGYH	1.48	252.0	Lg	06:53:41.561	-0.9					T__						1310369	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MODS	1.50	289.5	Sn	06:53:40.028	-1.2					T__						1310368	FDSN	SK	--	BUD	iLoc	HHN	???	_	

JAVC 1.51 310.6 Sn 06:53:40.665 -1.4 T\_\_ --- 1310376 FDSN CZ -- BUD iLoc HHN ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/06	07:38:56.66	1.06	0.85	46.0679	22.8434	12.8	4.4	82	0.0f		7	4	174	0.19	0.97	sx	BUD	19004614	BUD			284

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.2	3 BUD	19004614

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DEV	0.19	167.2	Pg	07:39:00.404	0.1					T__		944.1		---	ML	1.8	1310412	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.19	167.2	Lg	07:39:02.810	-0.1					T__				---		1310411	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
GZR	0.68	184.0	Pg	07:39:09.645	-0.0					T__		66.3		---	ML	1.7	1310413	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	0.68	184.0	Lg	07:39:19.183	-0.1					T__				---		1310414	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
DRGR	0.73	352.8	Pg	07:39:11.795	0.4					T__		42.5		---	ML	1.5	1310409	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	0.73	352.8	Lg	07:39:21.547	-1.6					T__				---		1310410	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
BZS	0.97	242.7	Lg	07:39:29.148	-0.0					T__				---		1310415	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/06	09:46:33.14	2.12	1.08	48.5729	20.8053	14.3	7.1	9	0.0f		8	6	223	0.23	1.24	sx	BUD	19004616	BUD			247

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KECS	0.23	247.2	Pg	09:46:37.861	-0.1					T__		942.7		---	ML	1.9	1310441	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.23	247.2	Lg	09:46:41.918	0.2					T__				---		1310440	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
CP16A	0.29	217.5	Lg	09:46:45.317	1.6					T__				---		1310442	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ABAH	0.40	133.6	Lg	09:46:48.808	0.4					T__				---		1310443	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU02A	0.49	202.6	Lg	09:46:49.942	-1.4					T__				---		1310444	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.89	223.2	Pn	09:46:51.696	-0.3					T__		44.3		---	ML	1.6	1310439	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.89	223.2	Lg	09:47:04.641	-0.7					T__				---		1310438	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
TRPA	1.24	110.3	Sn	09:47:15.001	-0.5					T__				---		1310445	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/06	11:26:09.29	1.21	2.19	45.5645	19.8364	30.8	5.4	86	10.0f		8	6	117	0.41	1.73	ke	BUD	19004620	BUD			188

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
FRGS	0.41	182.6	Pg	11:26:17.885	0.5					T__		129.4		---	ML	1.5	1310496	FDSN	SJ	--	BUD	iLoc	BHZ	BHZ	_

```

FRGS  0.41 182.6 Lg      11:26:23.420  -1.3      T__      ---      1310495  FDSN SJ      -- BUD  iLoc  BHN ??? _
(Reading ML:  1.5 magdef=1
(Station ML:  1.5 magdef=1
HU21A  0.77 354.5 Lg      11:26:35.949  -0.7      T__      ---      1310502  FDSN Z6      00 BUD  iLoc  HHN ??? _
HU22A  0.91 327.4 Sn      11:26:40.070   0.0      T__      ---      1310497  FDSN Z6      00 BUD  iLoc  HHN ??? _
MORH   1.06 308.4 Pn      11:26:29.297   0.8      T__      33.7      --- ML    1.6 1310499  FDSN HU      -- BUD  iLoc  HHZ HHZ _
MORH   1.06 308.4 Sn      11:26:42.625  -0.9      T__      ---      1310498  FDSN HU      -- BUD  iLoc  HHN ??? _
(Reading ML:  1.6 magdef=1
(Station ML:  1.6 magdef=1
BZS    1.25  87.0 Sn      11:26:48.928   0.2      T__      ---      1310500  FDSN RO      -- BUD  iLoc  HHN ??? _
BBLs   1.73 190.4 Sn      11:27:04.897   4.5      T__      ---      1310501  FDSN SJ      -- BUD  iLoc  BHN ??? _

```

```

Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author      OrigID  Rep  DPdep  Err Sgp
2023/09/06 11:44:43.72  1.31  0.89 45.5423  19.9051  14.9  7.1 119 10.0f  9  6 117  0.39  1.20  ke BUD      19004622  BUD  BUD      221

```

```

Magnitude  Err Nsta Author      OrigID
ML         1.7 0.4   3 BUD      19004622

```

```

Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
FRGS  0.39 189.9 Pg      11:44:51.994  0.5      T__      112.6      --- ML    1.4 1310525  FDSN SJ      -- BUD  iLoc  BHZ BHZ _
FRGS  0.39 189.9 Lg      11:44:57.785  -0.8      T__      ---      1310526  FDSN SJ      -- BUD  iLoc  BHN ??? _
(Reading ML:  1.4 magdef=1
(Station ML:  1.4 magdef=1
HU21A  0.80 351.2 Pn      11:44:59.233  -0.1      T__      219.4      --- ML    2.3 1310528  FDSN Z6      00 BUD  iLoc  HHZ HHZ _
HU21A  0.80 351.2 Sn      11:45:11.369  -0.5      T__      ---      1310527  FDSN Z6      00 BUD  iLoc  HHN ??? _
(Reading ML:  2.3 magdef=1
(Station ML:  2.3 magdef=1
HU14A  0.91  7.6 Sn      11:45:15.031   0.4      T__      ---      1310529  FDSN Z6      00 BUD  iLoc  HHN ??? _
HU22A  0.95 325.8 Sn      11:45:14.713  -0.9      T__      ---      1310532  FDSN Z6      00 BUD  iLoc  HHN ??? _
MORH   1.11 307.8 Sn      11:45:17.805  -1.5      T__      ---      1310533  FDSN HU      -- BUD  iLoc  HHN ??? _
BZS    1.20  85.8 Pg      11:45:06.515   0.1      T__      32.7      --- ML    1.7 1310531  FDSN RO      -- BUD  iLoc  HHZ HHZ _
BZS    1.20  85.8 Sn      11:45:22.824   0.8      T__      ---      1310530  FDSN RO      -- BUD  iLoc  HHN ??? _
(Reading ML:  1.7 magdef=1
(Station ML:  1.7 magdef=1

```

```

Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author      OrigID  Rep  DPdep  Err Sgp
2023/09/07 07:01:20.62  1.00  1.00 48.2528  18.8188  5.8  3.5  42  0.0f  18 13 128  0.43  1.39  sx BUD      19004628  BUD  BUD      160

```

```

Magnitude  Err Nsta Author      OrigID
ML         1.8 0.2   4 BUD      19004628

```

```

Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
HU10A  0.43 161.7 Pg      07:01:29.192  -0.5      T__      154.6      --- ML    1.7 1312470  FDSN Z6      00 BUD  iLoc  HHZ HHZ _
HU10A  0.43 161.7 Lg      07:01:36.720  -0.1      T__      ---      1312469  FDSN Z6      00 BUD  iLoc  HHN ??? _
(Reading ML:  1.7 magdef=1
(Station ML:  1.7 magdef=1
HU03A  0.63 123.4 Lg      07:01:43.988   0.6      T__      ---      1312462  FDSN Z6      00 BUD  iLoc  HHN ??? _
HU09A  0.68 205.7 Pg      07:01:35.154   0.8      T__      78.7      --- ML    1.8 1312471  FDSN Z6      00 BUD  iLoc  HHZ HHZ _
HU09A  0.68 205.7 Lg      07:01:45.033  -0.6      T__      ---      1312472  FDSN Z6      00 BUD  iLoc  HHN ??? _
(Reading ML:  1.8 magdef=1

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```

(Station ML: 1.8 magdef=1
BUD 0.78 169.8 Lg 07:01:48.866 -0.3 T__ --- 1312473 FDSN HU -- BUD iLoc HHN ??? _
PSZ 0.80 114.5 Lg 07:01:48.843 -0.7 T__ --- 1312463 FDSN GE -- BUD iLoc HHN ??? _
CSKK 0.97 203.1 Pg 07:01:41.115 1.3 T__ 112.6 --- ML 2.1 1312476 FDSN HU -- BUD iLoc HHZ HHZ _
CSKK 0.97 203.1 Lg 07:01:54.464 -0.9 T__ --- 1312464 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
JAVC 0.97 308.9 Pg 07:01:40.860 0.4 T__ 71.1 --- ML 1.9 1312475 FDSN CZ -- BUD iLoc HHZ HHZ _
JAVC 0.97 308.9 Lg 07:01:54.487 -0.9 T__ --- 1312474 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
HU08A 1.02 216.6 Lg 07:01:55.997 -0.7 T__ --- 1312465 FDSN Z6 00 BUD iLoc HHN ??? _
MODS 1.04 277.3 Pg 07:01:43.136 1.6 T__ --- 1312468 FDSN SK -- BUD iLoc HHZ ??? _
MODS 1.04 277.3 Lg 07:01:55.145 -2.2 T__ --- 1312467 FDSN SK -- BUD iLoc HHN ??? _
KECS 1.14 77.7 Sn 07:01:59.767 -0.6 T__ --- 1312477 FDSN SK -- BUD iLoc EHN ??? _
HU02A 1.15 95.9 Sn 07:01:59.914 -1.0 T__ --- 1312466 FDSN Z6 00 BUD iLoc HHN ??? _
EGYH 1.30 230.7 Sn 07:02:04.451 0.0 T__ --- 1312478 FDSN HU -- BUD iLoc HHN ??? _
MPLH 1.39 219.0 Sn 07:02:06.410 -0.0 T__ --- 1312479 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/09/07 07:49:37.77 0.92 0.89 48.4112 17.2706 6.2 3.3 93 0.0f 10 6 142 0.04 1.06 sx BUD 19004630 BUD 199

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Magnitude Err Nsta Author OrigID
ML 1.6 0.3 4 BUD 19004630

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
MODS 0.04 173.1 Pg 07:49:39.198 -0.0 T__ _c_ 1312532 FDSN SK -- BUD iLoc HHZ ??? _
MODS 0.04 173.1 Lg 07:49:40.688 -0.0 T__ --- 1312533 FDSN SK -- BUD iLoc HHN ??? _
JAVC 0.52 30.5 Pg 07:49:48.225 -0.5 T__ 139.0 --- ML 1.9 1312534 FDSN CZ -- BUD iLoc HHZ HHZ _
JAVC 0.52 30.5 Lg 07:49:58.168 1.1 T__ --- 1312535 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
KRUC 0.87 318.7 Pg 07:49:55.102 0.6 T__ 28.4 --- ML 1.4 1312537 FDSN CZ -- BUD iLoc HHZ HHZ _
KRUC 0.87 318.7 Lg 07:50:05.621 -1.8 T__ --- 1312536 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
RONA 0.97 222.9 Pg 07:49:57.146 0.2 T__ --- 1312538 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.97 222.9 Lg 07:50:09.453 -0.1 T__ --- 1312539 FDSN OE -- BUD iLoc HHN ??? _
VRAC 1.00 333.8 Pg 07:49:57.530 0.8 T__ 8.1 --- ML 1.0 1312540 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=1
CONA 1.06 243.4 Pn 07:49:59.872 0.3 T__ 38.9 --- ML 1.7 1312541 FDSN OE -- BUD iLoc HHZ HHZ _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/09/07 08:15:01.33 1.12 0.42 47.8913 16.0794 9.4 4.1 35 0.0f 7 4 132 0.15 1.19 sx BUD 19004632 BUD 218

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Magnitude Err Nsta Author OrigID

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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.15	284.3	Pg	08:15:04.386	-0.2					T__		320.2		---	ML	1.2	1312565	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.15	284.3	Lg	08:15:06.898	-0.0					T__				---		1312566	FDSN	OE	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.2 magdef=1																					
				(Station ML: 1.2 magdef=1																					
RONA	0.24	142.6	Pg	08:15:06.259	-0.2					T__				---		1312568	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.24	142.6	Lg	08:15:09.921	-0.0					T__				---		1312567	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.74	210.6	Lg	08:15:25.720	0.6					T__				---		1312569	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.19	10.1	Pg	08:15:24.613	0.4					T__		31.3		---	ML	1.7	1312571	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.19	10.1	Sn	08:15:41.391	-0.2					T__				---		1312570	FDSN	CZ	--	BUD	iLoc	HHE	???	_	
				(Reading ML: 1.7 magdef=1																					
				(Station ML: 1.7 magdef=1																					

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/07	08:22:48.68	2.13	0.30	48.3246	19.8467	14.7	5.0	127	0.0f		9	6	253	0.41	0.93	sx	BUD	19004634	BUD			315

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.3	3 BUD	19004634

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.41	175.5	Pg	08:22:57.657	-0.0					T__		241.6		---	ML	1.8	1312618	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.41	175.5	Lg	08:23:04.471	0.1					T__				---		1312619	FDSN	GE	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.8 magdef=1																					
				(Station ML: 1.8 magdef=1																					
KECS	0.45	69.3	Pg	08:22:57.817	-0.1					T__		385.8		---	ML	2.1	1312622	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.45	69.3	Lg	08:23:04.689	-0.2					T__				---		1312623	FDSN	SK	--	BUD	iLoc	EHN	???	_	
				(Reading ML: 2.1 magdef=1																					
				(Station ML: 2.1 magdef=1																					
CP17A	0.46	103.1	Lg	08:23:05.152	0.0					T__				---		1312620	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP16A	0.46	87.6	Pg	08:22:58.509	0.4					T__		613.2		---	ML	2.4	1312621	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.46	87.6	Lg	08:23:05.248	0.1					T__				---		1312624	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.4 magdef=1																					
				(Station ML: 2.4 magdef=1																					
HU02A	0.50	113.8	Lg	08:23:06.741	-0.5					T__				---		1312625	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ABAH	0.93	91.2	Lg	08:23:21.485	-0.1					T__				---		1312626	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/07	09:12:25.38	0.92	0.72	46.8926	17.3615	4.8	3.6	92	0.0f		11	8	96	0.12	1.02	sx	BUD	19004636	BUD			143

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.2	3 BUD	19004636

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BADH	0.12	138.8	Lg	09:12:29.723	-1.1					T__				---		1312656	FDSN	HU	--	BUD	iLoc	HHN	???	_	
A261A	0.16	292.2	Pg	09:12:29.382	0.2					T__		2539.8		---	ML	2.1	1312655	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A261A	0.16	292.2	Lg	09:12:31.641	-0.6					T__				---		1312657	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.1 magdef=1																					
				(Station ML: 2.1 magdef=1																					
A263A	0.25	187.3	Pg	09:12:31.726	0.7					T__		1016.5		---	ML	2.0	1312659	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A263A	0.25	187.3	Lg	09:12:34.452	-0.8					T__				---		1312658	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

```

(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
MPLH 0.30 23.6 Pg 09:12:32.661 0.6 T__ 88.2 ___ ML 1.1 1312653 FDSN HU -- BUD iLoc HHZ HHZ _
MPLH 0.30 23.6 Lg 09:12:36.919 -0.4 T__ ___ 1312654 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=1
HU08A 0.66 35.2 Lg 09:12:49.100 -0.7 T__ ___ 1312660 FDSN Z6 00 BUD iLoc HHN ??? _
KOGS 0.89 240.2 Lg 09:12:54.551 0.1 T__ ___ 1312661 FDSN SL -- BUD iLoc BHN ??? _
KOVH 0.95 147.4 Lg 09:12:57.021 -0.7 T__ ___ 1312662 FDSN HU -- BUD iLoc HHN ??? _
HU09A 1.02 42.6 Sn 09:13:01.875 0.1 T__ ___ 1312663 FDSN Z6 00 BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/09/07 10:21:53.32 1.13 1.37 47.5205 18.4851 6.9 3.5 108 0.0f 10 8 108 0.14 1.31 sx BUD 19004638 BUD 196
2023/09/07 10:21:53.66 0.93 0.84 47.5600 18.4573f 0.0f 10 8 105 0.09 1.35 kx BUD_GT 19004639 BUD_GT 195
(locality: Tatabánya Hungary)
(GT info : GT2 explosion)

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Magnitude Err Nsta Author OrigID
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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
HU09A 0.09 327.2 Pg 10:21:57.413 1.3 T__ 2036.2 ___ ML 1.9 1312688 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU09A 0.09 327.2 Lg 10:21:58.366 -0.1 T__ ___ 1312690 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=0
CSKK 0.24 214.2 Pg 10:21:58.196 -0.7 T__ 222.6 ___ ML 1.3 1312691 FDSN HU -- BUD iLoc HHZ HHZ _
CSKK 0.24 214.2 Lg 10:22:02.430 -1.2 T__ ___ 1312693 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=0
SRO 0.27 339.1 Lg 10:22:04.303 -0.3 T__ ___ 1312694 FDSN SK -- BUD iLoc EHN ??? _
HU08A 0.38 250.6 Lg 10:22:08.161 -0.2 T__ ___ 1312692 FDSN Z6 00 BUD iLoc HHN ??? _
MPLH 0.74 238.3 Lg 10:22:19.718 0.1 T__ ___ 1312695 FDSN HU -- BUD iLoc HHN ??? _
PSZ 1.03 69.2 Lg 10:22:30.279 -0.8 T__ ___ 1312696 FDSN GE -- BUD iLoc HHN ??? _
MODS 1.14 316.2 Sn 10:22:32.579 -1.1 T__ ___ 1312697 FDSN SK -- BUD iLoc HHN ??? _
MORH 1.35 174.5 Sn 10:22:39.039 0.9 T__ ___ 1312689 FDSN HU -- BUD iLoc HHN ??? _

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```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/09/07 10:23:02.00 1.08 1.52 47.5551 18.3560 18.9 3.1 101 0.0f 7 4 154 0.09 1.10 sx BUD 19004640 BUD 283
2023/09/07 10:23:01.57 0.95 0.93 47.5600 18.4573f 0.0f 7 4 145 0.09 1.03 kx BUD_GT 19004641 BUD_GT 258
(locality: Tatabánya Hungary)
(GT info : GT2 explosion)

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```
Magnitude Err Nsta Author OrigID
ML 1.7 0.1 3 BUD_GT 19004641
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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
HU09A 0.09 327.2 Pg 10:23:04.660 0.7 T__ 1646.3 ___ ML 1.8 1312718 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU09A 0.09 327.2 Lg 10:23:06.087 -0.3 T__ ___ 1312719 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
CSKK 0.24 214.2 Pg 10:23:07.173 0.3 T__ 176.2 ___ ML 1.2 1312720 FDSN HU -- BUD iLoc HHZ HHZ _

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CSKK  0.24 214.2 Lg      10:23:09.493 -2.0      T__          ---          1312721  FDSN HU      -- BUD  iLoc  HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
SR0   0.27 339.1 Pg      10:23:08.024  0.6      T__          475.4      --- ML    1.7 1312723  FDSN SK      -- BUD  iLoc  EHZ EHZ _
SR0   0.27 339.1 Lg      10:23:12.070 -0.4      T__          ---          1312722  FDSN SK      -- BUD  iLoc  EHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
PSZ   1.03 69.2 Lg       10:23:38.599 -0.3      T__          ---          1312724  FDSN GE      -- BUD  iLoc  HHN ??? _

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Date      Time      Err    RMS Latitude Longitude Smaj Smin Az Depth  Err Ndef Nsta Gap mdist Mdist Qual  Author      OrigID      Rep  DPdep  Err Sgp
2023/09/08 05:09:10.80 0.30 0.87 46.8656 20.6729 2.7 2.0 156 8.2 2.6 59 41 53 0.13 3.76 ke BUD      19004644    BUD              72

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Magnitude Err Nsta Author      OrigID
ML      3.2 0.1 35 BUD      19004644

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Sta  Dist EvAz Phase      Time      TRes Azim AzRes  Slow  SRes Def  SNR      Amp  Per Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
STMP1 0.13 117.0 Pg      05:09:14.057 -0.1      T__          18540.9      --- ML    2.9 1314065  FDSN HU      -- BUD  iLoc  HHZ HHZ _
STMP1 0.13 117.0 Lg      05:09:17.648  0.8      T__          ---          1314069  FDSN HU      -- BUD  iLoc  HHN ??? _
(Reading ML: 2.9 magdef=1
(Station ML: 2.9 magdef=0
HU06A 0.17 205.3 Pg      05:09:15.323  0.4      T__          17789.7      --- ML    3.0 1314111  FDSN Z6      00 BUD  iLoc  HHZ HHZ _
HU06A 0.17 205.3 Lg      05:09:19.761  1.7      T__          ---          1314068  FDSN Z6      00 BUD  iLoc  HHN ??? _
(Reading ML: 3.0 magdef=1
(Station ML: 3.0 magdef=0
STMP2 0.19 297.1 Pg      05:09:15.360  0.1      T__          21835.2      --- ML    3.2 1314121  FDSN HU      -- BUD  iLoc  HHZ HHZ _
STMP2 0.19 297.1 Lg      05:09:19.603  0.9      T__          ---          1314122  FDSN HU      -- BUD  iLoc  HHN ??? _
(Reading ML: 3.2 magdef=1
(Station ML: 3.2 magdef=1
HU12A 0.33 18.3 Pg      05:09:17.781 -0.4      T__          3931.2      --- ML    2.8 1314072  FDSN Z6      00 BUD  iLoc  HHZ HHZ _
HU12A 0.33 18.3 Lg      05:09:24.187  0.5      T__          ---          1314073  FDSN Z6      00 BUD  iLoc  HHN ??? _
(Reading ML: 2.8 magdef=1
(Station ML: 2.8 magdef=0
HU24A 0.34 82.3 Pg      05:09:17.882 -0.2      T__          14271.2      _d_ ML    3.4 1314071  FDSN Z6      00 BUD  iLoc  HHZ HHZ _
HU24A 0.34 82.3 Lg      05:09:24.563  0.8      T__          ---          1314070  FDSN Z6      00 BUD  iLoc  HHN ??? _
(Reading ML: 3.4 magdef=1
(Station ML: 3.4 magdef=1
HU13A 0.45 285.8 Pg      05:09:20.326 -0.3      T__          3704.4      --- ML    3.1 1314112  FDSN Z6      00 BUD  iLoc  HHZ HHZ _
HU13A 0.45 285.8 Lg      05:09:27.728  0.1      T__          ---          1314074  FDSN Z6      00 BUD  iLoc  HHN ??? _
(Reading ML: 3.1 magdef=1
(Station ML: 3.1 magdef=1
BSZH  0.52 327.6 Pn      05:09:22.005 -0.7      T__          6829.1      --- ML    3.6 1314101  FDSN HU      -- BUD  iLoc  HHZ HHZ _
BSZH  0.52 327.6 Lg      05:09:30.875  1.4      T__          ---          1314090  FDSN HU      -- BUD  iLoc  HHN ??? _
(Reading ML: 3.6 magdef=1
(Station ML: 3.6 magdef=0
HU14A 0.59 224.6 Pn      05:09:23.300 -0.3      T__          4733.2      --- ML    3.5 1314075  FDSN Z6      00 BUD  iLoc  HHZ HHZ _
(Reading ML: 3.5 magdef=1
(Station ML: 3.5 magdef=0
HU05A 0.76 24.6 Pn      05:09:25.764 -0.2      T__          1888.2      --- ML    3.2 1314110  FDSN Z6      00 BUD  iLoc  HHZ HHZ _
HU05A 0.76 24.6 Lg      05:09:38.268  1.1      T__          ---          1314076  FDSN Z6      00 BUD  iLoc  HHN ??? _
(Reading ML: 3.2 magdef=1
(Station ML: 3.2 magdef=1
HU21A 0.84 231.0 Pg      05:09:27.286 -0.4      T__          4814.9      --- ML    3.7 1314113  FDSN Z6      00 BUD  iLoc  HHZ HHZ _

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(Reading ML: 3.7 magdef=1)		(Station ML: 3.7 magdef=0)																
HU04B	0.85	267.0	Pg	05:09:27.248	-0.9	T__	3388.1	---	ML	3.5	1314077	FDSN	Z6	00 BUD	iLoc	HHZ	HHZ	_
HU04B	0.85	267.0	Lg	05:09:39.996	-0.5	T__		---			1314091	FDSN	Z6	00 BUD	iLoc	HHN	???	_
(Reading ML: 3.5 magdef=1)		(Station ML: 3.5 magdef=0)																
HU01A	0.86	304.1	Pn	05:09:27.840	0.2	T__	3253.2	---	ML	3.5	1314107	FDSN	Z6	00 BUD	iLoc	HHZ	HHZ	_
HU01A	0.86	304.1	Sn	05:09:40.283	-0.4	T__		---			1314092	FDSN	Z6	00 BUD	iLoc	HHN	???	_
(Reading ML: 3.5 magdef=1)		(Station ML: 3.5 magdef=0)																
LTVH	0.99	57.8	Lg	05:09:45.175	1.0	T__		---			1314078	FDSN	HU	-- BUD	iLoc	HHN	???	_
HU11A	1.11	17.4	Lg	05:09:49.536	1.1	T__		---			1314079	FDSN	Z6	00 BUD	iLoc	HHN	???	_
PSZ	1.18	333.6	Pn	05:09:31.773	-0.4	T__	1155.7	---	ML	3.2	1314119	FDSN	GE	-- BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.2 magdef=1)		(Station ML: 3.2 magdef=1)																
A272A	1.18	264.7	Pn	05:09:32.124	0.3	T__	1309.3	---	ML	3.3	1314099	FDSN	Z6	00 BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.3 magdef=1)		(Station ML: 3.3 magdef=1)																
HU22A	1.19	243.7	Pg	05:09:33.319	-1.0	T__	2257.9	---	ML	3.5	1314114	FDSN	Z6	00 BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.5 magdef=1)		(Station ML: 3.5 magdef=0)																
HU02A	1.26	355.5	Pn	05:09:32.775	-0.5	T__	478.7	---	ML	2.9	1314108	FDSN	Z6	00 BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.9 magdef=1)		(Station ML: 2.9 magdef=0)																
HU03A	1.27	325.3	Pn	05:09:33.429	0.2	T__	1238.6	---	ML	3.3	1314109	FDSN	Z6	00 BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.3 magdef=1)		(Station ML: 3.3 magdef=1)																
A271A	1.29	283.6	Lg	05:09:54.501	-0.7	T__		---			1314080	FDSN	Z6	00 BUD	iLoc	HHN	???	_
CP17A	1.36	355.4	Pn	05:09:34.596	0.3	T__	1122.7	---	ML	3.3	1314105	FDSN	Z6	00 BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.3 magdef=1)		(Station ML: 3.3 magdef=1)																
HU07A	1.40	36.6	Lg	05:09:57.945	0.5	T__		---			1314093	FDSN	Z6	00 BUD	iLoc	HHN	???	_
DRGR	1.40	92.3	Pn	05:09:35.006	-0.4	T__	668.3	---	ML	3.1	1314106	FDSN	RO	-- BUD	iLoc	BHZ	BHZ	_
DRGR	1.40	92.3	Sn	05:09:54.684	0.3	T__		---			1314081	FDSN	RO	-- BUD	iLoc	BHN	???	_
(Reading ML: 3.1 magdef=1)		(Station ML: 3.1 magdef=1)																
BZS	1.41	152.0	Pn	05:09:35.461	0.1	T__	494.1	---	ML	3.0	1314102	FDSN	RO	-- BUD	iLoc	BHZ	BHZ	_
(Reading ML: 3.0 magdef=1)		(Station ML: 3.0 magdef=0)																
CP16A	1.48	356.6	Pn	05:09:36.690	0.6	T__	624.0	---	ML	3.1	1314104	FDSN	Z6	00 BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.1 magdef=1)		(Station ML: 3.1 magdef=1)																
ABAH	1.48	14.8	Pg	05:09:38.270	-1.9	T__	648.4	---	ML	3.1	1314082	FDSN	HU	-- BUD	iLoc	HHZ	HHZ	_
ABAH	1.48	14.8	Lg	05:09:58.439	-1.8	T__		---			1314083	FDSN	HU	-- BUD	iLoc	HHN	???	_
(Reading ML: 3.1 magdef=1)		(Station ML: 3.1 magdef=1)																
A267A	1.50	273.9	Pn	05:09:36.919	0.6	T__	992.0	---	ML	3.3	1314098	FDSN	Z6	00 BUD	iLoc	HHZ	HHZ	_
A267A	1.50	273.9	Sn	05:09:57.802	1.7	T__		---			1314094	FDSN	Z6	00 BUD	iLoc	HHN	???	_
(Reading ML: 3.3 magdef=1)		(Station ML: 3.3 magdef=1)																
MORH	1.54	245.8	Pn	05:09:36.501	-0.4	T__	378.1	---	ML	2.9	1314118	FDSN	HU	-- BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.9 magdef=1)		(Station ML: 2.9 magdef=0)																

KOVH	1.94	247.3	Pn	05:09:41.994	-0.5	T__	304.6	___	ML	3.1	1314066	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	1.94	247.3	Pg	05:09:46.585	-2.0	T__		---			1314067	FDSN	HU	--	BUD	iLoc	HHZ	???	_
	(Reading ML: 3.1 magdef=1)																		
	(Station ML: 3.1 magdef=1)																		
HU08A	1.96	287.8	Pn	05:09:43.798	1.0	T__	480.7	___	ML	3.3	1314084	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU08A	1.96	287.8	Sn	05:10:07.788	0.4	T__		---			1314095	FDSN	Z6	00	BUD	iLoc	HHN	???	_
	(Reading ML: 3.3 magdef=1)																		
	(Station ML: 3.3 magdef=1)																		
GZR	2.08	134.4	Pn	05:09:45.334	0.3	T__	416.1	___	ML	3.3	1314085	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	2.08	134.4	Sn	05:10:09.894	-0.8	T__		---			1314096	FDSN	RO	--	BUD	iLoc	BHN	???	_
	(Reading ML: 3.3 magdef=1)																		
	(Station ML: 3.3 magdef=1)																		
MODS	2.75	304.5	Pn	05:09:54.582	0.5	T__		---			1314116	FDSN	SK	--	BUD	iLoc	HHZ	???	_
JAVC	2.84	315.7	Pn	05:09:56.165	0.6	T__	104.2	___	ML	3.1	1314115	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.1 magdef=1)																		
	(Station ML: 3.1 magdef=1)																		
RONA	3.09	287.2	Pn	05:09:59.086	0.3	T__		---			1314120	FDSN	OE	--	BUD	iLoc	HHZ	???	_
PTJ	3.39	255.3	Pg	05:10:15.627	0.4	T__	115.7	___	ML	3.5	1314086	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	3.39	255.3	Lg	05:11:03.060	2.5	T__		---			1314097	FDSN	CR	--	BUD	iLoc	BHN	???	_
	(Reading ML: 3.5 magdef=1)																		
	(Station ML: 3.5 magdef=0)																		
CONA	3.44	289.8	Pn	05:10:03.794	0.1	T__	53.1	___	ML	3.1	1314103	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.1 magdef=1)																		
	(Station ML: 3.1 magdef=1)																		
ARSA	3.54	278.1	Pn	05:10:05.576	0.6	T__	61.5	___	ML	3.3	1314100	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.3 magdef=1)																		
	(Station ML: 3.3 magdef=1)																		
MORC	3.58	325.5	Pn	05:10:05.969	0.1	T__	34.6	___	ML	3.0	1314117	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.0 magdef=1)																		
	(Station ML: 3.0 magdef=1)																		
KRUC	3.62	309.0	Pn	05:10:06.030	-0.1	T__	53.6	___	ML	3.2	1314087	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.2 magdef=1)																		
	(Station ML: 3.2 magdef=1)																		
VRAC	3.67	313.3	Pn	05:10:06.833	0.0	T__	30.1	___	ML	3.0	1314123	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.0 magdef=1)																		
	(Station ML: 3.0 magdef=0)																		
CRES	3.76	255.8	Pn	05:10:07.516	-0.7	T__	59.5	___	ML	3.3	1314088	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	3.76	255.8	Pg	05:10:22.280	1.1	T__		---			1314089	FDSN	SL	--	BUD	iLoc	BHZ	???	_
	(Reading ML: 3.3 magdef=1)																		
	(Station ML: 3.3 magdef=1)																		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/08	07:11:51.58	0.94	1.08	47.8196	19.3767	7.7	3.1	157	0.0f		13	10	131	0.24	1.06	sx	BUD	19004646	BUD			152

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.3	3 BUD	19004646

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU10A	0.24	276.2	Lg	07:12:00.790	-0.6					T__						1314247	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.36	74.0	Pg	07:11:59.963	0.2					T__	169.5			___	ML	1.5	1314242	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.36	74.0	Lg	07:12:04.820	-1.1					T__				---		1314248	FDSN	GE	--	BUD	iLoc	HHN	???	_	
	(Reading ML: 1.5 magdef=1)																								

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(Station ML: 1.5 magdef=1
BUD 0.41 215.5 Lg 07:12:07.241 -0.2 T__ --- 1314249 FDSN HU -- BUD iLoc HHN ??? _
HU23A 0.62 106.7 Lg 07:12:13.913 -0.4 T__ --- 1314243 FDSN Z6 00 BUD iLoc HHN ??? _
HU09A 0.70 255.3 Lg 07:12:16.276 -0.9 T__ --- 1314250 FDSN Z6 00 BUD iLoc HHN ??? _
HU02A 0.83 68.2 Pg 07:12:10.188 1.4 T__ 25.4 --- ML 1.4 1314245 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.83 68.2 Lg 07:12:19.829 -1.9 T__ --- 1314244 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
CP17A 0.86 61.9 Lg 07:12:22.210 0.2 T__ --- 1314246 FDSN Z6 00 BUD iLoc HHN ??? _
CP16A 0.94 55.7 Lg 07:12:23.911 -0.6 T__ --- 1314251 FDSN Z6 00 BUD iLoc HHN ??? _
KECS 1.00 47.8 Pg 07:12:12.862 1.4 T__ 86.3 --- ML 2.0 1314253 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 1.00 47.8 Lg 07:12:26.227 -0.8 T__ --- 1314252 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
HU08A 1.06 249.0 Lg 07:12:28.522 -0.5 T__ --- 1314254 FDSN Z6 00 BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/09/08 08:11:01.97 2.09 0.84 48.6163 20.7978 13.9 4.9 1 0.0f 10 6 259 0.25 0.92 sx BUD 19004648 BUD 322

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Magnitude Err Nsta Author OrigID
ML 1.5 0.3 4 BUD 19004648

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
KECS 0.25 237.4 Pg 08:11:07.048 -0.0 T__ 949.3 --- ML 2.0 1314285 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.25 237.4 Lg 08:11:10.992 -0.1 T__ --- 1314284 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
CP16A 0.32 212.1 Lg 08:11:14.643 1.0 T__ --- 1314283 FDSN Z6 00 BUD iLoc HHN ??? _
ABAH 0.44 137.3 Pg 08:11:11.302 0.4 T__ 45.1 --- ML 1.2 1314288 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.44 137.3 Lg 08:11:17.035 -1.3 T__ --- 1314289 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
CP17A 0.44 205.8 Lg 08:11:18.660 0.9 T__ --- 1314282 FDSN Z6 00 BUD iLoc HHN ??? _
HU02A 0.53 200.3 Pg 08:11:12.671 -0.4 T__ 41.0 --- ML 1.4 1314281 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.53 200.3 Lg 08:11:20.681 -0.8 T__ --- 1314290 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
PSZ 0.92 221.2 Pn 08:11:20.870 -0.4 T__ 38.4 --- ML 1.6 1314286 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.92 221.2 Lg 08:11:34.820 -0.4 T__ --- 1314287 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/09/08 08:32:34.40 1.01 0.44 46.1513 18.2915 8.7 3.6 159 0.0f 6 4 169 0.15 0.44 sx BUD 19004650 BUD 247

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
KOVH 0.15 244.8 Pg 08:32:37.961 -0.1 T__ 314.1 --- ML 1.2 1314317 FDSN HU -- BUD iLoc HHZ HHZ _
KOVH 0.15 244.8 Lg 08:32:41.220 0.3 T__ --- 1314316 FDSN HU -- BUD iLoc HHN ??? _

```

```

(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
MORH 0.25 75.3 Pg 08:32:40.261 0.2 T__ 77.6 ___ ML 0.9 1314313 FDSN HU -- BUD iLoc HHZ HHZ _
MORH 0.25 75.3 Lg 08:32:43.895 -0.6 T__ ___ 1314314 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=1
A266A 0.37 357.2 Lg 08:32:48.496 -0.1 T__ ___ 1314315 FDSN Z6 00 BUD iLoc HHN ??? _
A265A 0.44 308.6 Lg 08:32:50.452 0.0 T__ ___ 1314318 FDSN Z6 00 BUD iLoc HHN ??? _

```

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/08	08:47:51.97	1.02	0.29	46.1510	18.3022	10.5	3.7	157	0.0f	5	3	171	0.15	0.38	sx	BUD	19004652	BUD				281

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
KOVH 0.15 246.1 Pg 08:47:55.788 0.1 T__ 295.4 ___ ML 1.2 1314337 FDSN HU -- BUD iLoc HHZ HHZ _
KOVH 0.15 246.1 Lg 08:47:58.636 -0.1 T__ ___ 1314336 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
MORH 0.25 74.8 Pg 08:47:57.606 0.2 T__ 57.3 ___ ML 0.7 1314338 FDSN HU -- BUD iLoc HHZ HHZ _
MORH 0.25 74.8 Lg 08:48:01.513 -0.4 T__ ___ 1314339 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 0.7 magdef=1
(Station ML: 0.7 magdef=1
A266A 0.38 356.0 Lg 08:48:06.144 -0.1 T__ ___ 1314340 FDSN Z6 00 BUD iLoc HHN ??? _

```

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/08	10:00:53.22	0.98	0.72	47.5999	16.3681	5.3	4.0	14	0.0f	12	9	75	0.11	1.46	sx	BUD	19004654	BUD				130

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
RONA 0.11 334.1 Pg 10:00:55.836 0.0 T__ ___ 1314974 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.11 334.1 Lg 10:00:57.918 0.1 T__ ___ 1314978 FDSN OE -- BUD iLoc HHN ??? _
SOP 0.15 57.0 Pg 10:00:56.968 0.3 T__ 263.6 ___ ML 1.1 1314973 FDSN HU -- BUD iLoc HHZ HHZ _
SOP 0.15 57.0 Lg 10:00:59.616 0.4 T__ ___ 1314972 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=1
CONA 0.47 314.1 Pg 10:01:02.976 0.2 T__ 82.9 ___ ML 1.5 1314975 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.47 314.1 Lg 10:01:09.367 0.2 T__ ___ 1314979 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
ARSA 0.67 239.0 Lg 10:01:14.035 -0.7 T__ ___ 1314980 FDSN OE -- BUD iLoc HHN ??? _
MPLH 0.90 117.9 Lg 10:01:24.138 -0.6 T__ ___ 1314981 FDSN HU -- BUD iLoc HHN ??? _
MODS 0.99 37.9 Lg 10:01:27.279 -1.2 T__ ___ 1314976 FDSN SK -- BUD iLoc HHN ??? _
HU08A 1.07 98.5 Sn 10:01:29.179 -1.2 T__ ___ 1314982 FDSN Z6 00 BUD iLoc HHN ??? _
KOGS 1.16 184.0 Lg 10:01:30.980 0.4 T__ ___ 1314983 FDSN SL -- BUD iLoc BHN ??? _
KRUC 1.46 0.7 Sn 10:01:40.864 0.7 T__ ___ 1314977 FDSN CZ -- BUD iLoc HHN ??? _

```

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
------	------	-----	-----	----------	-----------	------	------	----	-------	-----	------	------	-----	-------	-------	------	--------	--------	-----	-------	-----	-----

2023/09/08 11:39:38.89 2.57 1.62 45.6192 16.0527 18.6 8.0 160 10.0f 10 6 239 0.29 1.37 ke BUD 19004656 BUD 266

Magnitude Err Nsta Author OrigID  
ML 1.7 0.5 4 BUD 19004656

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
PTJ	0.29	348.4	Pg	11:39:44.095	-1.2					T__		173.6		---	ML	1.4 1315009	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.29	348.4	Lg	11:39:50.686	0.7					T__				---		1315008	FDSN	CR	--	BUD	iLoc	BHN	???	_
(Reading ML: 1.4 magdef=1)																								
(Station ML: 1.4 magdef=1)																								
CRES	0.47	296.6	Pg	11:39:47.650	-0.5					T__		60.5		---	ML	1.4 1315011	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.47	296.6	Lg	11:39:55.684	0.6					T__				---		1315010	FDSN	SL	--	BUD	iLoc	BHN	???	_
(Reading ML: 1.4 magdef=1)																								
(Station ML: 1.4 magdef=1)																								
KOGS	0.84	9.4	Pn	11:39:57.927	1.6					T__		143.4		---	ML	2.1 1315016	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.84	9.4	Sn	11:40:09.905	1.2					T__				---		1315012	FDSN	SL	--	BUD	iLoc	BHN	???	_
(Reading ML: 2.1 magdef=1)																								
(Station ML: 2.1 magdef=1)																								
BEHE	0.99	30.3	Lg	11:40:13.247	1.9					T__				---		1315013	FDSN	HU	--	BUD	iLoc	HHN	???	_
A264A	1.02	57.5	Lg	11:40:13.039	1.0					T__				---		1315017	FDSN	Z6	00	BUD	iLoc	HHN	???	_
OBKA	1.37	310.9	Pn	11:40:05.504	1.2					T__		54.7		---	ML	2.0 1315015	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
OBKA	1.37	310.9	Lg	11:40:25.735	2.4					T__				---		1315014	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.0 magdef=1)																								
(Station ML: 2.0 magdef=1)																								

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
2023/09/09 03:48:34.18 1.21 1.15 45.8098 17.8050 17.4 7.8 132 15.0f 9 5 161 0.11 1.15 ke BUD 19004664 BUD 309

Magnitude Err Nsta Author OrigID  
ML 1.0 0.3 3 BUD 19004664

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A273A	0.11	4.2	Pg	03:48:37.435	-0.3					T__		276.2		---	ML	1.0 1321110	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A273A	0.11	4.2	Lg	03:48:40.594	0.4					T__				---		1321109	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.0 magdef=1)																								
(Station ML: 1.0 magdef=1)																								
KOVH	0.35	36.3	Pg	03:48:41.521	-0.1					T__		24.5		---	ML	0.7 1321107	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.35	36.3	Lg	03:48:46.944	0.1					T__				---		1321108	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 0.7 magdef=1)																								
(Station ML: 0.7 magdef=1)																								
MORH	0.71	55.0	Pn	03:48:48.012	-0.2					T__		23.5		---	ML	1.3 1321114	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.71	55.0	Lg	03:48:58.584	-0.0					T__				---		1321111	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.3 magdef=1)																								
(Station ML: 1.3 magdef=1)																								
A266A	0.78	23.9	Sn	03:49:03.880	2.7					T__				---		1321112	FDSN	Z6	00	BUD	iLoc	HHN	???	_
BLY	1.15	202.7	Sn	03:49:10.195	-0.0					T__				---		1321113	FDSN	MN	--	BUD	iLoc	HHN	???	_
BLY	1.15	202.7	Lg	03:49:10.736	0.5					T__				---		1321106	FDSN	MN	--	BUD	iLoc	HHN	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
2023/09/10 10:02:15.48 1.13 2.47 48.0352 16.6310 10.3 5.4 141 11.0f 5 3 162 0.40 0.55 ke BUD 19004668 BUD 315



Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.40	214.0	Pg	10:02:25.170	1.3					T__						1321772	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.40	214.0	Lg	10:02:27.627	-2.0					T__						1321774	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.53	258.6	Pg	10:02:27.553	1.3					T__		23.7			ML	1.1	1321771	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.53	258.6	Lg	10:02:31.585	-1.8					T__						1321775	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=0)																									
MODS	0.55	51.7	Lg	10:02:34.017	-1.3					T__						1321773	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/11	07:13:50.95	1.48	1.18	45.5060	16.0800	12.6	4.5	49	0.1	3.7	23	15	172	0.33	2.88	ke	BUD	19004674	BUD			182

Magnitude	Err	Nsta	Author	OrigID
ML	2.4	0.2	10 BUD	19004674

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ZAG	0.33	348.6	Pg	07:13:57.699	0.0					T__		4504.0			ML	2.9	1324871	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.33	348.6	Lg	07:14:03.414	0.9					T__						1324882	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.9 magdef=1)																									
(Station ML: 2.9 magdef=0)																									
PTJ	0.41	349.0	Pg	07:13:58.630	-0.9					T__		702.6			ML	2.3	1324873	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.41	349.0	Lg	07:14:04.710	-1.2					T__						1324872	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=1)																									
CRES	0.54	306.4	Pg	07:14:01.296	-0.2					T__		212.2			ML	2.1	1324874	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.54	306.4	Lg	07:14:09.129	-0.3					T__						1324883	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=0)																									
KOGS	0.95	7.1	Pg	07:14:09.878	0.0					T__		639.3			ML	2.8	1324875	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.95	7.1	Lg	07:14:23.590	1.2					T__						1324884	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.8 magdef=1)																									
(Station ML: 2.8 magdef=1)																									
A264A	1.07	51.9	Pn	07:14:12.525	-0.0					T__		369.3			ML	2.7	1324877	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A264A	1.07	51.9	Lg	07:14:26.037	-0.9					T__						1324878	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.7 magdef=1)																									
(Station ML: 2.7 magdef=1)																									
BEHE	1.08	26.4	Pg	07:14:11.649	-0.5					T__		589.5			ML	2.9	1324876	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.9 magdef=1)																									
(Station ML: 2.9 magdef=0)																									
BLY	1.09	133.7	Pg	07:14:11.503	-0.4					T__		147.3			ML	2.3	1324880	FDSN	MN	--	BUD	iLoc	HHZ	HHZ	_
BLY	1.09	133.7	Lg	07:14:26.055	0.2					T__						1324885	FDSN	MN	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=0)																									
A273A	1.28	70.7	Lg	07:14:33.720	0.6					T__						1324886	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A263A	1.42	36.7	Sn	07:14:36.873	0.3					T__						1324887	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
OBKA	1.46	313.8	Pn	07:14:19.281	0.4					T__		153.0			ML	2.5	1324879	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
OBKA	1.46	313.8	Lg	07:14:40.206	2.0					T__						1324888	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.5 magdef=1)																									
(Station ML: 2.5 magdef=1)																									

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ARSA 1.79 347.7 Pg 07:14:24.869 0.7 T__ 63.9 ___ ML 2.3 1324881 FDSN OE -- BUD iLoc HHZ HHZ _
ARSA 1.79 347.7 Sn 07:14:47.255 1.5 T__ ___ 1324889 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=1
MORH 1.93 67.5 Sn 07:14:50.620 1.6 T__ ___ 1324890 FDSN HU -- BUD iLoc HHN ??? _
RONA 2.20 3.8 Lg 07:15:04.549 2.6 T__ ___ 1324891 FDSN OE -- BUD iLoc HHN ??? _
CONA 2.43 356.5 Pg 07:14:37.677 1.5 T__ 30.3 ___ ML 2.3 1324892 FDSN OE -- BUD iLoc HHZ HHZ _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=1
BBL5 2.88 123.5 Lg 07:15:25.498 1.2 T__ ___ 1324893 FDSN SJ -- BUD iLoc BHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/09/11 07:35:28.84 1.70 1.37 48.5758 21.3362 12.4 8.2 150 0.0f 6 5 158 0.29 0.72 sx BUD 19004676 BUD 291

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
ABAH 0.29 193.0 Lg 07:35:40.754 0.6 T__ ___ 1324930 FDSN HU -- BUD iLoc HHN ??? _
KECS 0.57 261.0 Lg 07:35:49.592 0.6 T__ ___ 1324929 FDSN SK -- BUD iLoc EHN ??? _
CP17A 0.66 237.3 Lg 07:35:52.871 0.9 T__ ___ 1324932 FDSN Z6 00 BUD iLoc HHN ??? _
HU02A 0.71 230.3 Pg 07:35:43.384 -0.1 T__ 23.0 ___ ML 1.3 1324928 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.71 230.3 Lg 07:35:52.513 -2.0 T__ ___ 1324927 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=0
KOLS 0.72 59.7 Lg 07:35:54.193 -0.1 T__ ___ 1324931 FDSN SK -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/09/11 07:50:03.23 1.84 0.66 48.0394 20.7249 10.5 6.7 153 0.0f 8 6 204 0.16 0.57 sx BUD 19004678 BUD 277
2023/09/11 07:50:03.78 0.96 0.82 48.0471 20.6805f 0.0f 8 6 200 0.13 0.54 kx BUD_GT 19004679 BUD_GT 273

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(locality: Miskolc-Mexikóvölgy Hungary)  
(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU02A 0.13 305.8 Pg 07:50:07.194 0.2 T__ 822.8 ___ ML 1.6 1324954 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.13 305.8 Lg 07:50:09.567 -0.2 T__ ___ 1324953 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=0
CP17A 0.21 326.7 Pg 07:50:08.600 0.4 T__ 277.6 ___ ML 1.3 1324952 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP17A 0.21 326.7 Lg 07:50:11.101 -0.6 T__ ___ 1324951 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=0
CP16A 0.31 342.4 Lg 07:50:15.629 0.5 T__ ___ 1324955 FDSN Z6 00 BUD iLoc HHN ??? _
ABAH 0.45 56.1 Lg 07:50:18.989 -1.9 T__ ___ 1324958 FDSN HU -- BUD iLoc HHN ??? _
KECS 0.46 343.5 Lg 07:50:19.793 -0.3 T__ ___ 1324956 FDSN SK -- BUD iLoc EHN ??? _
PSZ 0.54 256.6 Lg 07:50:24.613 0.4 T__ ___ 1324957 FDSN GE -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp

```

2023/09/11 08:05:12.02 1.04 1.18 47.7709 19.1596 8.3 3.9 171 0.0f 11 9 136 0.12 1.14 sx BUD 19004680 BUD 163

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU10A	0.12	308.1	Pg	08:05:15.849	0.9					T__		3497.7		---	ML	2.2	1324982	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU10A	0.12	308.1	Lg	08:05:16.542	-1.0					T__				---		1324984	FDSN	Z6	00	BUD	iLoc	HHE	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
PSZ	0.52	73.1	Lg	08:05:31.486	-0.1					T__				---		1324985	FDSN	GE	--	BUD	iLoc	HHN	???	_	
CSKK	0.73	236.5	Lg	08:05:38.501	-0.4					T__				---		1324986	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU23A	0.75	99.8	Lg	08:05:39.575	0.2					T__				---		1324987	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU08A	0.90	248.3	Lg	08:05:42.795	-1.5					T__				---		1324988	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.98	68.5	Pn	08:05:32.367	0.3					T__		36.9		---	ML	1.6	1324983	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.98	68.5	Lg	08:05:46.098	-1.8					T__				---		1324989	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
CP17A	1.01	63.2	Lg	08:05:46.893	-1.2					T__				---		1324990	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP16A	1.09	57.8	Sn	08:05:49.012	-1.0					T__				---		1324991	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KECS	1.14	50.8	Sn	08:05:50.521	-1.1					T__				---		1324992	FDSN	SK	--	BUD	iLoc	EHN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/09/11 08:47:58.62 1.42 1.01 48.4296 17.4764 10.7 3.7 127 0.0f 9 6 211 0.14 1.19 sx BUD 19004682 BUD 260

Magnitude Err Nsta Author OrigID  
 ML 1.3 0.3 3 BUD 19004682

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.14	247.2	Pg	08:48:02.483	0.3					T__				---		1325015	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.14	247.2	Lg	08:48:03.807	-1.3					T__				---		1325018	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.45	16.6	Pg	08:48:08.435	0.3					T__		61.3		---	ML	1.3	1325016	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.45	16.6	Lg	08:48:14.324	-1.2					T__				---		1325019	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
KRUC	0.96	311.9	Lg	08:48:30.078	-0.9					T__				---		1325020	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
VRAC	1.06	326.8	Pg	08:48:19.537	0.9					T__		6.5		---	ML	0.9	1325022	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
VRAC	1.06	326.8	Lg	08:48:34.290	0.2					T__				---		1325021	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
RONA	1.08	227.7	Pg	08:48:20.559	0.6					T__				---		1325017	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
CONA	1.19	245.7	Pg	08:48:22.776	0.7					T__		23.8		---	ML	1.5	1325023	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/09/11 09:11:35.67 1.28 0.95 48.5597 17.5995 10.4 3.3 115 0.0f 12 7 216 0.28 1.32 sx BUD 19004684 BUD 227

Magnitude Err Nsta Author OrigID  
 ML 1.6 0.3 3 BUD 19004684

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
MODS	0.28	229.1	Pg	09:11:41.850	-0.0					T__						1325051	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.28	229.1	Lg	09:11:45.976	-0.9					T__						1325057	FDSN	SK	--	BUD	iLoc	HHN	???	_
JAVC	0.30	8.9	Pg	09:11:42.580	0.3					T__		310.8				1325052	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.30	8.9	Lg	09:11:46.269	-1.3					T__						1325058	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1)																								
(Station ML: 1.6 magdef=1)																								
KRUC	0.94	302.7	Lg	09:12:06.427	-1.1					T__						1325053	FDSN	CZ	--	BUD	iLoc	HHN	???	_
VRAC	1.00	318.9	Pg	09:11:55.679	1.1					T__		9.4				1325060	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
VRAC	1.00	318.9	Lg	09:12:08.534	-0.8					T__						1325059	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.0 magdef=1)																								
(Station ML: 1.0 magdef=1)																								
MORC	1.22	358.3	Lg	09:12:15.485	0.1					T__						1325061	FDSN	CZ	--	BUD	iLoc	HHN	???	_
RONA	1.23	225.9	Pn	09:12:00.803	1.2					T__						1325054	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	1.23	225.9	Lg	09:12:15.812	0.0					T__						1325062	FDSN	OE	--	BUD	iLoc	HHN	???	_
CONA	1.32	242.1	Pn	09:12:00.876	-0.2					T__		37.6				1325055	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	1.32	242.1	Lg	09:12:19.720	1.0					T__						1325056	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1)																								
(Station ML: 1.8 magdef=1)																								

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/11	09:35:01.94	0.91	0.79	48.3986	17.2979	6.0	3.2	105	0.0f		16	10	128	0.03	1.66	sx	BUD	19004686	BUD			180

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.2	4 BUD	19004686

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
MODS	0.03	208.6	Pg	09:35:03.031	-0.1					T__						1326141	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.03	208.6	Lg	09:35:04.267	-0.3					T__						1326146	FDSN	SK	--	BUD	iLoc	HHN	???	_
JAVC	0.52	28.1	Pg	09:35:13.146	0.2					T__		139.2				1326142	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.52	28.1	Lg	09:35:20.784	-0.6					T__						1326147	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1)																								
(Station ML: 1.9 magdef=1)																								
SOP	0.87	215.0	Lg	09:35:30.790	-0.1					T__						1326148	FDSN	HU	--	BUD	iLoc	HHN	???	_
KRUC	0.89	318.3	Pg	09:35:19.062	-0.0					T__		46.2				1326143	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	0.89	318.3	Lg	09:35:31.082	-1.2					T__						1326149	FDSN	CZ	--	BUD	iLoc	HHE	???	_
(Reading ML: 1.7 magdef=1)																								
(Station ML: 1.7 magdef=1)																								
RONA	0.97	224.2	Pg	09:35:21.545	0.4					T__						1326144	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.97	224.2	Lg	09:35:33.346	-0.5					T__						1326150	FDSN	OE	--	BUD	iLoc	HHN	???	_
VRAC	1.02	333.2	Pg	09:35:22.057	0.8					T__		11.8				1326145	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
VRAC	1.02	333.2	Lg	09:35:35.611	-0.7					T__						1326151	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.1 magdef=1)																								
(Station ML: 1.1 magdef=1)																								
HU08A	1.06	156.3	Lg	09:35:38.386	-0.8					T__						1326153	FDSN	Z6	00	BUD	iLoc	HHN	???	_
CONA	1.07	244.5	Lg	09:35:36.195	-0.7					T__						1326152	FDSN	OE	--	BUD	iLoc	HHN	???	_
MORC	1.39	6.6	Pg	09:35:28.672	0.9					T__		35.1				1326155	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
MORC	1.39	6.6	Lg	09:35:47.662	0.6					T__						1326154	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1)																								
(Station ML: 1.8 magdef=1)																								
ARSA	1.66	226.8	Lg	09:35:56.207	1.5					T__						1326156	FDSN	OE	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/11	10:19:25.77	0.95	1.07	47.2807	17.6959	9.4	3.3	141	0.0f	9	7	75	0.15	1.25	sx	BUD	19004688	BUD				146

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MPLH	0.15	224.0	Pg	10:19:29.990	0.5					T__		446.8		---	ML	1.4	1326202	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.15	224.0	Lg	10:19:31.698	-1.0					T__				---		1326203	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.4 magdef=1)																					
				(Station ML: 1.4 magdef=1)																					
HU08A	0.22	45.7	Pg	10:19:31.287	0.6					T__		338.7		---	ML	1.4	1326204	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU08A	0.22	45.7	Lg	10:19:34.062	-0.8					T__				---		1326205	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.4 magdef=1)																					
				(Station ML: 1.4 magdef=1)																					
CSKK	0.39	77.7	Lg	10:19:40.978	-0.1					T__				---		1326206	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU09A	0.59	52.2	Lg	10:19:46.696	-1.1					T__				---		1326207	FDSN	Z6	00	BUD	iLoc	HHE	???	_	
RONA	1.04	294.3	Lg	10:19:59.922	-0.2					T__				---		1326208	FDSN	OE	--	BUD	iLoc	HHN	???	_	
MODS	1.13	345.7	Sn	10:20:03.547	-1.8					T__				---		1326209	FDSN	SK	--	BUD	iLoc	HHN	???	_	
MORH	1.25	148.2	Sn	10:20:07.648	0.1					T__				---		1326210	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/09/11	11:45:04.07	3.33	0.92	45.8490	22.5788	25.4	6.3	122	0.0f	5	3	278	0.23	0.93	sx	BUD	19004690	BUD					326

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DEV	0.23	81.3	Pg	11:45:08.344	-0.1					T__		582.6		---	ML	1.7	1326229	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.23	81.3	Lg	11:45:12.069	0.4					T__				---		1326228	FDSN	RO	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.7 magdef=1)																					
				(Station ML: 1.7 magdef=1)																					
GZR	0.48	163.0	Pg	11:45:13.164	-0.1					T__		76.3		---	ML	1.5	1326230	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	0.48	163.0	Lg	11:45:20.693	0.5					T__				---		1326232	FDSN	RO	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.5 magdef=1)																					
				(Station ML: 1.5 magdef=1)																					
LOT	0.93	115.2	Lg	11:45:34.272	-1.1					T__				---		1326231	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/09/11	12:39:05.28	0.95	1.94	47.8183	16.5087	6.5	3.8	144	0.0f	9	6	111	0.19	1.30	sx	BUD	19004692	BUD					187

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.19	230.4	Pg	12:39:08.983	-0.3					T__				---		1326254	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.19	230.4	Lg	12:39:11.576	-0.6					T__				---		1326257	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.45	284.4	Pg	12:39:15.593	1.3					T__		27.5		---	ML	1.0	1326253	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.45	284.4	Lg	12:39:18.989	-1.4					T__				---		1326258	FDSN	OE	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.0 magdef=1)																					
				(Station ML: 1.0 magdef=0)																					
MODS	0.76	42.6	Pg	12:39:21.947	1.1					T__				---		1326256	FDSN	SK	--	BUD	iLoc	HHZ	???	_	

MODS	0.76	42.6	Lg	12:39:30.310	-2.4	T__	---	1326255	FDSN	SK	--	BUD	iLoc	HNN	???	_
ARSA	0.88	230.0	Lg	12:39:34.517	1.3	T__	---	1326259	FDSN	OE	--	BUD	iLoc	HNN	???	_
MPLH	0.95	132.5	Lg	12:39:38.569	0.3	T__	---	1326260	FDSN	HU	--	BUD	iLoc	HNN	???	_
JAVC	1.30	36.2	Sn	12:39:46.273	-3.1	T__	---	1326261	FDSN	CZ	--	BUD	iLoc	HNN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/12	07:45:16.51	1.01	0.89	48.4155	17.2589	8.3	4.0	107	0.0f	6	4	148	0.04	1.05	sx	BUD	19004706	BUD				280

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.04	163.6	Pg	07:45:18.377	0.3				T__						_c_	1329442	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.04	163.6	Lg	07:45:19.336	-0.3				T__						---	1329443	FDSN	SK	--	BUD	iLoc	HNN	???	_	
JAVC	0.52	31.5	Pg	07:45:27.608	0.2				T__		39.1			---	ML	1.3	1329444	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.52	31.5	Lg	07:45:35.514	-0.3				T__						---	1329445	FDSN	CZ	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=0)																									
RONA	0.96	222.4	Lg	07:45:47.013	-1.2				T__						---	1329446	FDSN	OE	--	BUD	iLoc	HNN	???	_	
CONA	1.05	243.0	Lg	07:45:51.688	0.7				T__						---	1329447	FDSN	OE	--	BUD	iLoc	HNN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/09/12	07:57:01.21	1.03	0.32	47.0674	18.0535	5.8	4.4	81	0.0f	8	7	86	0.20	0.98	sx	BUD	19004708	BUD					133

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
TIH	0.20	213.3	Lg	07:57:09.567	0.1				T__						---	1329466	FDSN	HU	--	BUD	iLoc	HNN	???	_	
A267A	0.32	112.3	Lg	07:57:13.321	-0.4				T__						---	1329472	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
CSKK	0.33	25.4	Lg	07:57:14.370	-0.0				T__						---	1329469	FDSN	HU	--	BUD	iLoc	HNN	???	_	
MPLH	0.37	286.5	Lg	07:57:14.680	-0.5				T__						---	1329465	FDSN	HU	--	BUD	iLoc	HNN	???	_	
HU08A	0.37	346.4	Pg	07:57:09.293	0.1				T__		77.1			---	ML	1.2	1329468	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU08A	0.37	346.4	Lg	07:57:15.885	0.1				T__						---	1329467	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=0)																									
MORH	0.94	154.3	Lg	07:57:34.309	0.3				T__						---	1329471	FDSN	HU	--	BUD	iLoc	HNN	???	_	
KOVH	0.98	178.1	Lg	07:57:35.477	-0.0				T__						---	1329470	FDSN	HU	--	BUD	iLoc	HNN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/09/12	08:22:40.33	1.49	1.08	48.6053	21.3307	8.7	6.8	17	0.0f	9	6	163	0.32	1.18	sx	BUD	19004710	BUD					293

Magnitude Err Nsta Author OrigID  
ML 1.4 0.3 3 BUD 19004710

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
ABAH	0.32	191.1	Pg	08:22:46.877	-0.1				T__			98.3			---	ML	1.2	1329496	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.32	191.1	Lg	08:22:51.710	-0.9				T__						---		1329495	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.2 magdef=1)																										
(Station ML: 1.2 magdef=1)																										
KECS	0.57	258.0	Pg	08:22:50.906	-1.0				T__		70.2			---	ML	1.7	1329494	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_	

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KECS 0.57 258.0 Lg 08:23:01.990 1.4 T__ --- 1329497 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
CP16A 0.59 243.7 Lg 08:23:02.380 1.3 T__ --- 1329498 FDSN Z6 00 BUD iLoc HHN ??? _
KOLS 0.70 61.9 Lg 08:23:06.199 0.8 T__ --- 1329499 FDSN SK -- BUD iLoc HHN ??? _
HU02A 0.72 228.3 Pg 08:22:55.800 0.5 T__ 31.4 --- ML 1.4 1329493 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.72 228.3 Lg 08:23:05.916 -0.7 T__ --- 1329500 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
PSZ 1.18 234.9 Sn 08:23:21.246 -0.3 T__ --- 1329501 FDSN GE -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/09/12 08:58:21.19 3.41 1.26 48.6134 19.9402 21.8 7.3 145 0.0f 6 4 287 0.39 0.92 sx BUD 19004712 BUD 328

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
KECS 0.39 109.6 Pg 08:58:28.374 -0.6 T__ 88.9 --- ML 1.3 1329547 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.39 109.6 Lg 08:58:35.861 0.9 T__ --- 1329548 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
HU02A 0.63 141.4 Lg 08:58:43.337 -0.8 T__ --- 1329550 FDSN Z6 00 BUD iLoc HHN ??? _
PSZ 0.70 182.5 Pg 08:58:36.518 0.5 T__ 32.2 --- ML 1.4 1329546 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.70 182.5 Lg 08:58:46.415 -0.2 T__ --- 1329549 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
ABAH 0.92 109.7 Lg 08:58:55.057 1.6 T__ --- 1329551 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/09/12 09:12:19.84 1.58 0.88 47.9408 19.0717 13.7 3.7 154 0.0f 9 7 196 0.10 1.00 sx BUD 19004714 BUD 201

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU10A 0.10 200.5 Pg 09:12:22.604 0.2 T__ 3587.0 --- ML 2.1 1329780 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU10A 0.10 200.5 Lg 09:12:24.394 -0.3 T__ --- 1329782 FDSN Z6 00 BUD iLoc HHE ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
HU03A 0.36 95.8 Lg 09:12:33.672 0.4 T__ --- 1329783 FDSN Z6 00 BUD iLoc HHN ??? _
PSZ 0.55 92.0 Lg 09:12:39.500 -1.2 T__ --- 1329784 FDSN GE -- BUD iLoc HHN ??? _
HU09A 0.55 237.2 Lg 09:12:39.975 -0.5 T__ --- 1329785 FDSN Z6 00 BUD iLoc HHN ??? _
HU08A 0.93 237.1 Lg 09:12:52.737 -0.2 T__ --- 1329786 FDSN Z6 00 BUD iLoc HHN ??? _
HU02A 0.99 78.9 Pn 09:12:41.485 1.5 T__ 37.5 --- ML 1.6 1329781 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.99 78.9 Lg 09:12:55.179 -0.8 T__ --- 1329787 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
CP17A 1.00 73.4 Lg 09:12:55.874 0.2 T__ --- 1329788 FDSN Z6 00 BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp

```

2023/09/12 10:00:16.39 1.02 0.71 48.1555 16.9669 17.5 3.5 137 0.0f 8 5 181 0.30 1.33 sx BUD 19004716 BUD 191

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.30	43.4	Pg	10:00:23.444	0.4					T__						1329809	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.30	43.4	Lg	10:00:28.411	0.1					T__						1329808	FDSN	SK	--	BUD	iLoc	HHN	???	_	
RONA	0.64	224.9	Pg	10:00:29.239	-0.0					T__						1329814	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.64	224.9	Lg	10:00:37.565	-0.2					T__						1329813	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.78	253.4	Pg	10:00:31.945	0.2					T__		29.9			ML	1.4	1329815	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.78	253.4	Lg	10:00:42.261	0.3					T__						1329810	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=0)																									
JAVC	0.85	33.3	Lg	10:00:45.427	-1.4					T__						1329811	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
ARSA	1.33	227.7	Lg	10:00:58.427	-0.3					T__						1329812	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/09/12 23:24:55.11 0.82 0.77 47.8452 16.2719 3.7 3.5 50 10.0f 26 16 64 0.15 1.95 ke BUD 19004720 BUD 118

Magnitude Err Nsta Author OrigID  
 ML 2.1 0.1 8 BUD 19004720

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.15	173.5	Pg	23:24:58.539	-0.2					T__						1331467	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.15	173.5	Lg	23:25:00.584	-0.8					T__						1331466	FDSN	OE	--	BUD	iLoc	HHN	???	_	
SOP	0.25	129.9	Pg	23:25:00.511	-0.0					T__		793.6			_c_ ML	1.9	1331468	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.25	129.9	Lg	23:25:03.889	-0.4					T__						1331469	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
CONA	0.29	286.9	Pg	23:25:01.059	-0.2					T__		449.2			_ ML	1.8	1331464	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.29	286.9	Lg	23:25:05.916	0.4					T__						1331465	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=0)																									
A260A	0.63	152.3	Pg	23:25:07.778	-0.1					T__		173.7			_ ML	2.1	1331473	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A260A	0.63	152.3	Lg	23:25:16.889	0.5					T__						1331472	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
ARSA	0.78	220.7	Pg	23:25:09.677	-0.8					T__		222.4			_ ML	2.3	1331470	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
ARSA	0.78	220.7	Lg	23:25:20.286	0.1					T__						1331471	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=1)																									
MODS	0.86	51.5	Pg	23:25:12.051	-0.3					T__						1331474	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.86	51.5	Lg	23:25:25.343	0.1					T__						1331475	FDSN	SK	--	BUD	iLoc	HHN	???	_	
A262A	1.00	169.9	Pn	23:25:14.972	0.6					T__		115.8			_ ML	2.1	1331479	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A262A	1.00	169.9	Sn	23:25:29.068	0.8					T__						1331478	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
MPLH	1.09	127.7	Sn	23:25:31.186	0.3					T__						1331480	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU08A	1.19	109.7	Sn	23:25:34.656	1.2					T__						1331483	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KRUC	1.22	3.8	Pn	23:25:17.729	0.1					T__		137.5			_ ML	2.3	1331476	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.22	3.8	Sn	23:25:34.181	-0.0					T__						1331477	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.3 magdef=1)																									



```

(Station ML: 2.3 magdef=0
JAVC 1.38 42.1 Pg 23:25:22.239 -0.1 T__ 52.2 --- ML 2.0 1331485 FDSN CZ -- BUD iLoc HHZ HHZ _
JAVC 1.38 42.1 Lg 23:25:41.959 0.1 T__ --- 1331484 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
KOGS 1.40 180.6 Pg 23:25:22.787 1.2 T__ 59.9 --- ML 2.1 1331487 FDSN SL -- BUD iLoc BHZ BHZ _
KOGS 1.40 180.6 Lg 23:25:41.558 1.7 T__ --- 1331486 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
VRAC 1.48 8.2 Sn 23:25:41.083 0.5 T__ --- 1331482 FDSN CZ -- BUD iLoc HHN ??? _
TREC 1.54 340.5 Sn 23:25:43.164 1.3 T__ --- 1331481 FDSN CZ -- BUD iLoc HHN ??? _
OBKA 1.78 222.0 Lg 23:25:51.746 -0.1 T__ --- 1331488 FDSN OE -- BUD iLoc HHN ??? _
PTJ 1.95 186.2 Lg 23:25:56.238 -1.6 T__ --- 1331489 FDSN CR -- BUD iLoc BHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/09/13 00:44:51.89 1.59 1.70 45.6128 16.0303 11.1 8.2 36 13.0f 11 9 161 0.22 1.92 ke BUD 19004722 BUD 227

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
ZAG 0.22 352.0 Pg 00:44:56.329 -0.4 T__ 438.8 --- ML 1.5 1333241 FDSN CR -- BUD iLoc BHZ BHZ _
ZAG 0.22 352.0 Lg 00:45:00.146 -0.1 T__ --- 1333240 FDSN CR -- BUD iLoc BHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
PTJ 0.30 351.6 Lg 00:45:01.898 -1.5 T__ --- 1333239 FDSN CR -- BUD iLoc BHN ??? _
CHES 0.45 298.2 Lg 00:45:08.815 0.9 T__ --- 1333242 FDSN SL -- BUD iLoc BHN ??? _
KOGS 0.85 10.3 Pg 00:45:08.933 1.0 T__ 41.6 --- ML 1.6 1333244 FDSN SL -- BUD iLoc BHZ BHZ _
KOGS 0.85 10.3 Lg 00:45:20.820 1.3 T__ --- 1333243 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
BEHE 1.00 30.9 Lg 00:45:26.402 1.9 T__ --- 1333238 FDSN HU -- BUD iLoc HHN ??? _
BLY 1.19 136.2 Lg 00:45:29.233 -0.4 T__ --- 1333245 FDSN MN -- BUD iLoc HHN ??? _
OBKA 1.37 311.5 Sn 00:45:36.106 1.2 T__ --- 1333246 FDSN OE -- BUD iLoc HHN ??? _
KOVH 1.52 71.1 Sn 00:45:39.695 2.2 T__ --- 1333236 FDSN HU -- BUD iLoc HHN ??? _
MORH 1.92 70.8 Lg 00:45:52.404 -2.6 T__ --- 1333237 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/09/13 07:06:45.25 2.40 0.96 47.9450 20.3745 24.2 4.1 145 0.0f 7 4 235 0.20 0.41 sx BUD 19004726 BUD 345
2023/09/13 07:06:45.47 0.97 0.73 47.9590 20.3545f 0.0f 7 4 227 0.20 0.40 kx BUD_GT 19004727 BUD_GT 342

```

(locality: Eger-III Hungary)  
(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID  
ML 0.9 0.2 3 BUD\_GT 19004727

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU02A 0.20 35.0 Pg 07:06:50.030 -0.1 T__ 121.7 --- ML 0.9 1334240 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.20 35.0 Lg 07:06:53.317 -0.6 T__ --- 1334244 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=1

```

```

CP17A 0.28 21.9 Pg 07:06:51.874 0.5 T__ 115.5 ___ ML 1.1 1334241 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP17A 0.28 21.9 Lg 07:06:56.402 0.4 T__ ___ 1334245 FDSN Z6 00 BUD iLoc HHE ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=1
PSZ 0.31 262.7 Pg 07:06:53.207 0.6 T__ 43.8 ___ ML 0.8 1334242 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.31 262.7 Lg 07:06:56.713 -1.3 T__ ___ 1334243 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 0.8 magdef=1
(Station ML: 0.8 magdef=1
CP16A 0.40 17.9 Lg 07:06:59.512 -0.5 T__ ___ 1334246 FDSN Z6 00 BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/09/13 07:38:27.58 1.34 1.19 48.5113 17.5525 11.3 3.7 120 0.0f 8 5 213 0.23 1.27 sx BUD 19004728 BUD 280

```

```

Magnitude Err Nsta Author OrigID
ML 1.5 0.3 3 BUD 19004728

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
MODS 0.23 233.2 Pg 07:38:32.574 -0.2 T__ ___ 1334270 FDSN SK -- BUD iLoc HHZ ??? _
MODS 0.23 233.2 Lg 07:38:36.482 -0.5 T__ ___ 1334271 FDSN SK -- BUD iLoc HHN ??? _
JAVC 0.36 12.6 Pg 07:38:35.642 0.4 T__ 98.5 ___ ML 1.3 1334272 FDSN CZ -- BUD iLoc HHZ HHZ _
JAVC 0.36 12.6 Lg 07:38:40.024 -1.3 T__ ___ 1334273 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
KRUC 0.94 306.2 Pg 07:38:46.962 1.3 T__ 28.6 ___ ML 1.5 1334274 FDSN CZ -- BUD iLoc HHZ HHZ _
KRUC 0.94 306.2 Lg 07:38:58.393 -1.2 T__ ___ 1334275 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
RONA 1.17 226.5 Pg 07:38:52.038 1.3 T__ ___ 1334276 FDSN OE -- BUD iLoc HHZ ??? _
CONA 1.27 243.3 Pn 07:38:52.769 0.4 T__ 34.8 ___ ML 1.7 1334277 FDSN OE -- BUD iLoc HHZ HHZ _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/09/13 09:43:06.34 1.39 1.11 46.0678 22.8831 9.7 7.7 79 0.0f 8 5 143 0.19 0.99 sx BUD 19004730 BUD 251

```

```

Magnitude Err Nsta Author OrigID
ML 1.7 0.0 3 BUD 19004730

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
DEV 0.19 175.6 Pg 09:43:09.695 -0.2 T__ 670.2 ___ ML 1.6 1335507 FDSN RO -- BUD iLoc HHZ HHZ _
DEV 0.19 175.6 Lg 09:43:12.124 -0.3 T__ ___ 1335508 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
GZR 0.68 186.3 Pg 09:43:19.099 -0.3 T__ 62.5 ___ ML 1.7 1335509 FDSN RO -- BUD iLoc HHZ HHZ _
GZR 0.68 186.3 Lg 09:43:28.447 -0.5 T__ ___ 1335510 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
DRGR 0.73 350.7 Lg 09:43:31.953 -1.0 T__ ___ 1335513 FDSN RO -- BUD iLoc HHN ??? _
LOT 0.88 134.7 Pg 09:43:23.956 0.8 T__ 53.9 ___ ML 1.7 1335512 FDSN RO -- BUD iLoc HHZ HHZ _
LOT 0.88 134.7 Lg 09:43:36.701 0.7 T__ ___ 1335511 FDSN RO -- BUD iLoc HHN ??? _

```

(Reading ML: 1.7 magdef=1  
 (Station ML: 1.7 magdef=1  
 BZS 0.99 243.4 Lg 09:43:41.521 1.9 T\_\_ --- 1335514 FDSN RO -- BUD iLoc HHN ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/14	05:37:24.65	3.77	0.44	48.3400	19.6884	24.0	6.6	140	0.0f	7	4	274	0.44	0.60	sx	BUD	19004734	BUD				300

Magnitude Err Nsta Author OrigID  
 ML 1.3 0.4 3 BUD 19004734

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU03A	0.44	187.8	Lg	05:37:41.227	0.4					T__						1337128	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.44	161.8	Pg	05:37:33.962	-0.4					T__		34.4			ML	1.1	1337127	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.44	161.8	Lg	05:37:42.023	0.4					T__						1337129	FDSN	GE	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.1 magdef=1  
 (Station ML: 1.1 magdef=1

CP17A	0.56	102.1	Pg	05:37:36.536	0.4					T__		61.2			ML	1.6	1337126	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.56	102.1	Lg	05:37:44.744	0.0					T__						1337130	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

(Reading ML: 1.6 magdef=1  
 (Station ML: 1.6 magdef=1

HU02A	0.60	111.0	Pg	05:37:36.956	-0.3					T__		31.2			ML	1.3	1337125	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.60	111.0	Lg	05:37:46.625	-0.2					T__						1337131	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

(Reading ML: 1.3 magdef=1  
 (Station ML: 1.3 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/09/14	07:55:05.10	1.05	0.73	47.9510	16.0690	6.1	4.5	27	0.0f	7	4	137	0.14	1.13	sx	BUD	19004738	BUD					247

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.14	260.8	Pg	07:55:08.161	0.0					T__		178.1			ML	0.9	1337230	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.14	260.8	Lg	07:55:09.841	-0.5					T__						1337231	FDSN	OE	--	BUD	iLoc	HHN	???	_	

(Reading ML: 0.9 magdef=1  
 (Station ML: 0.9 magdef=1

RONA	0.29	148.6	Pg	07:55:11.265	0.0					T__						1337232	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.29	148.6	Lg	07:55:14.826	-0.6					T__						1337233	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.79	208.0	Lg	07:55:31.442	1.0					T__						1337234	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.13	10.9	Pg	07:55:27.425	0.6					T__		27.7			ML	1.6	1337235	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.13	10.9	Lg	07:55:43.311	-0.3					T__						1337236	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.6 magdef=1  
 (Station ML: 1.6 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/09/14	07:56:00.01	1.15	1.42	48.3910	19.0391	7.6	5.0	9	0.0f	13	9	154	0.62	1.47	sx	BUD	19004740	BUD					182

Magnitude Err Nsta Author OrigID  
 ML 1.8 0.2 4 BUD 19004740

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU03A	0.62	142.2	Pg	07:56:13.047	0.1					T__		104.3		---	ML	1.9	1337268	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.62	142.2	Lg	07:56:22.166	-0.1					T__				---		1337267	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
PSZ	0.74	129.2	Pg	07:56:17.894	2.1					T__		49.3		---	ML	1.6	1337266	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.74	129.2	Lg	07:56:26.074	-1.1					T__				---		1337265	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
HU09A	0.87	210.6	Lg	07:56:30.401	-1.2					T__				---		1337269	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP17A	1.00	99.4	Pg	07:56:20.158	0.0					T__		130.9		---	ML	2.2	1337271	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	1.00	99.4	Lg	07:56:33.816	-1.1					T__				---		1337270	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
CP16A	1.00	92.2	Lg	07:56:33.894	-1.0					T__				---		1337272	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
JAVC	1.02	297.8	Lg	07:56:35.934	-0.4					T__				---		1337274	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
HU02A	1.03	104.6	Pn	07:56:21.692	0.9					T__		53.7		---	ML	1.8	1337264	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.03	104.6	Lg	07:56:35.057	-1.6					T__				---		1337273	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
MODS	1.17	269.8	Sn	07:56:39.938	-1.2					T__				---		1337275	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ABAH	1.47	92.9	Sn	07:56:50.160	2.5					T__				---		1337276	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/14	08:39:22.54	2.37	1.90	48.5094	20.4052	14.5	6.2	154	0.0f		9	5	260	0.19	0.68	sx	BUD	19004742	BUD			302

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.3	4 BUD	19004742

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CP16A	0.19	151.8	Lg	08:39:31.077	1.4					T__				---		1337308	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP17A	0.30	166.3	Pg	08:39:29.196	0.4					T__		123.2		---	ML	1.2	1337305	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.30	166.3	Lg	08:39:33.049	-0.5					T__				---		1337304	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
HU02A	0.40	168.3	Pg	08:39:31.132	0.1					T__		43.1		---	ML	1.0	1337306	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.40	168.3	Lg	08:39:36.920	-0.7					T__				---		1337307	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
ABAH	0.60	110.7	Pg	08:39:35.678	1.2					T__		54.0		---	ML	1.6	1337310	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.60	110.7	Lg	08:39:40.426	-4.1					T__				---		1337309	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
PSZ	0.68	210.2	Pg	08:39:36.409	-0.7					T__		55.4		---	ML	1.6	1337311	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.68	210.2	Lg	08:39:47.620	0.0					T__				---		1337312	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/14	08:59:38.94	1.14	1.53	46.1241	18.0464	9.5	4.0	46	0.0f		7	4	196	0.05	1.10	sx	BUD	19004746	BUD			252

Magnitude Err Nsta Author OrigID  
 ML 1.7 0.1 3 BUD 19004746

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOVH	0.05	133.8	Pg	08:59:41.028	0.3					T__		2339.0		---	ML	1.8	1337402	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.05	133.8	Lg	08:59:41.882	-0.5					T__				---		1337404	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
A265A	0.35	330.0	Pg	08:59:47.151	0.7					T__		300.0		---	ML	1.7	1337403	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A265A	0.35	330.0	Lg	08:59:50.438	-1.6					T__				---		1337405	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
MORH	0.42	77.4	Pg	08:59:48.350	0.5					T__		28.4		---	ML	0.9	1337401	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.42	77.4	Lg	08:59:54.301	-0.5					T__				---		1337400	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
MPLH	1.10	341.7	Sn	09:00:14.633	-2.4					T__				---		1337406	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/14	11:15:20.68	1.03	1.09	48.6185	21.5152	8.7	3.8	150	0.0f		13	7	170	0.37	1.29	sx	BUD	19004752	BUD			237

Magnitude Err Nsta Author OrigID  
 ML 1.8 0.1 5 BUD 19004752

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.37	209.7	Pg	11:15:29.141	0.8					T__		70.1		---	ML	1.2	1337536	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.37	209.7	Lg	11:15:34.217	-0.6					T__				---		1337537	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=0)																									
KOLS	0.59	57.6	Pg	11:15:32.515	0.4					T__				---		1337539	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.59	57.6	Lg	11:15:41.425	-0.4					T__				---		1337538	FDSN	SK	--	BUD	iLoc	HHN	???	_	
CP16A	0.71	247.3	Pg	11:15:35.313	0.5					T__		98.4		---	ML	1.9	1337541	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.71	247.3	Lg	11:15:44.370	-1.0					T__				---		1337540	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
CP17A	0.78	239.5	Pg	11:15:37.541	1.1					T__		116.6		---	ML	2.0	1337534	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.78	239.5	Lg	11:15:46.415	-1.7					T__				---		1337542	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=0)																									
HU02A	0.83	233.4	Pg	11:15:38.198	0.5					T__		39.4		---	ML	1.6	1337535	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.83	233.4	Lg	11:15:48.387	-2.1					T__				---		1337543	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
TRPA	0.84	125.2	Pg	11:15:37.174	0.2					T__		66.8		---	ML	1.8	1337545	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.84	125.2	Lg	11:15:50.467	-0.5					T__				---		1337544	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
PSZ	1.29	237.7	Sn	11:16:03.898	-0.6					T__				---		1337546	FDSN	GE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err Sgp
2023/09/15	08:41:49.82	2.97	1.14	48.5016	20.8636	23.6	4.8	172	0.0f	8	5	255	0.27	0.87	sx	BUD	19004762	BUD		337

Magnitude	Err	Nsta	Author	OrigID
ML	1.1	0.3	3 BUD	19004762

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CP16A	0.27	233.6	Lg	08:42:00.102	0.5					T__						1337765	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ABAH	0.32	129.2	Pg	08:41:56.457	-0.2					T__		46.3			ML	0.9	1337764	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.32	129.2	Lg	08:42:03.243	0.8					T__						1337767	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
CP17A	0.37	219.9	Pg	08:41:57.772	0.3					T__		55.9			ML	1.1	1337761	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.37	219.9	Lg	08:42:03.900	0.8					T__						1337766	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
HU02A	0.44	210.9	Lg	08:42:05.507	-1.0					T__						1337768	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.87	228.4	Pn	08:42:07.888	-0.5					T__		34.3			ML	1.5	1337763	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.87	228.4	Lg	08:42:19.427	-1.9					T__						1337762	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err Sgp
2023/09/18	08:08:27.04	1.34	1.64	47.4030	18.3254	13.2	3.2	122	0.0f	9	6	105	0.06	1.21	sx	BUD	19004774	BUD		164

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.1	3 BUD	19004774

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.06	227.9	Pg	08:08:29.193	0.3					T__		1034.4			ML	1.5	1340496	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.06	227.9	Lg	08:08:30.854	-0.0					T__						1340498	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
HU09A	0.24	9.3	Pg	08:08:33.004	0.7					T__		402.8			ML	1.6	1340495	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU09A	0.24	9.3	Lg	08:08:35.687	-1.2					T__						1340494	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
HU08A	0.27	276.1	Lg	08:08:37.685	-0.4					T__						1340499	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.58	246.8	Lg	08:08:47.910	-0.1					T__						1340500	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	1.18	63.5	Pn	08:08:48.751	-1.2					T__		47.2			ML	1.8	1340501	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.18	63.5	Sn	08:09:04.665	-3.5					T__						1340497	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
MORH	1.21	169.5	Sn	08:09:07.285	-0.7					T__						1340502	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err Sgp
2023/09/18	08:10:20.05	1.29	1.20	48.5055	17.5245	12.9	3.4	121	0.0f	8	6	207	0.21	1.25	sx	BUD	19004776	BUD		275

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.21	231.4	Pg	08:10:25.258	0.4					T__						1340548	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.21	231.4	Lg	08:10:27.472	-1.3					T__						1340549	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.37	15.3	Pg	08:10:28.622	0.7					T__		75.1			ML	1.2	1340550	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.37	15.3	Lg	08:10:32.497	-1.6					T__						1340551	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=0)																									
ZST	0.42	222.4	Lg	08:10:34.626	-0.9					T__						1340552	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KRUC	0.93	307.1	Lg	08:10:51.149	-0.5					T__						1340553	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
RONA	1.15	226.1	Lg	08:10:57.621	-0.2					T__						1340554	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	1.25	243.2	Lg	08:11:01.880	1.0					T__						1340555	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/18	08:20:02.24	1.03	1.85	46.0789	22.9244	9.5	4.0	92	0.0f		9	5	148	0.20	1.02	sx	BUD	19004778	BUD			195

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.2	4 BUD	19004778

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DEV	0.20	184.3	Pg	08:20:06.302	0.3					T__		1096.1			ML	1.9	1340579	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.20	184.3	Lg	08:20:08.772	0.0					T__						1340578	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
GZR	0.69	188.6	Pg	08:20:15.628	0.1					T__		104.0			ML	1.9	1340583	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	0.69	188.6	Lg	08:20:25.294	-0.1					T__						1340582	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
DRGR	0.73	348.4	Pg	08:20:18.140	1.2					T__		61.7			ML	1.7	1340577	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	0.73	348.4	Lg	08:20:25.160	-3.5					T__						1340585	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
CJR	0.79	36.1	Lg	08:20:28.671	-1.4					T__						1340584	FDSN	RO	--	BUD	iLoc	HHN	???	_	
BZS	1.02	243.6	Pg	08:20:23.080	0.9					T__		30.1			ML	1.5	1340581	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	1.02	243.6	Lg	08:20:34.662	-1.9					T__						1340580	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/09/18	08:21:47.67	1.31	0.90	48.0679	20.6643	8.6	4.4	177	0.0f		8	5	195	0.11	0.54	sx	BUD	19004780	BUD			270	
2023/09/18	08:21:47.27	0.95	0.77	48.0471	20.6805f				0.0f		8	5	200	0.13	0.54	kx	BUD_GT	19004781	BUD_GT			274	
(locality: Miskolc-Mexikóvölgy Hungary)																							
(GT info : GT2 explosion)																							

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.1	3 BUD_GT	19004781

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU02A	0.13	305.8	Pg	08:21:50.213	-0.3					T__		427.6			ML	1.3	1340611	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.13	305.8	Lg	08:21:52.951	-0.3					T__						1340612	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									

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(Station ML: 1.3 magdef=1
CP17A 0.21 326.7 Pg 08:21:51.965 0.2 T__ 303.8 --- ML 1.4 1340613 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP17A 0.21 326.7 Lg 08:21:55.012 -0.2 T__ --- 1340615 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
CP16A 0.31 342.4 Lg 08:21:57.934 -0.7 T__ --- 1340616 FDSN Z6 00 BUD iLoc HHN ??? _
ABAH 0.45 56.1 Pg 08:21:57.407 0.9 T__ 72.8 --- ML 1.4 1340614 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.45 56.1 Lg 08:22:02.900 -1.5 T__ --- 1340617 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
PSZ 0.54 256.6 Lg 08:22:08.378 0.7 T__ --- 1340618 FDSN GE -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/09/18 08:49:15.00 2.36 0.53 45.5555 17.3613 25.9 5.7 169 10.0f 11 7 228 0.74 1.43 ke BUD 19004782 BUD 238

```

```

Magnitude Err Nsta Author OrigID
ML 1.8 0.1 4 BUD 19004782

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
KOVH 0.74 43.8 Pg 08:49:28.992 -0.6 T__ 235.1 --- ML 2.3 1340676 FDSN HU -- BUD iLoc HHZ HHZ _
KOVH 0.74 43.8 Lg 08:49:39.808 0.4 T__ --- 1340677 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=1
BEHE 1.00 336.2 Sn 08:49:48.963 0.7 T__ --- 1340678 FDSN HU -- BUD iLoc HHN ??? _
PTJ 1.04 290.3 Pg 08:49:34.662 -0.1 T__ 55.8 --- ML 1.8 1340672 FDSN CR -- BUD iLoc BHZ BHZ _
PTJ 1.04 290.3 Lg 08:49:49.354 0.2 T__ --- 1340679 FDSN CR -- BUD iLoc BHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
MORH 1.11 53.2 Pg 08:49:36.906 0.6 T__ 38.8 --- ML 1.7 1340681 FDSN HU -- BUD iLoc HHZ HHZ _
MORH 1.11 53.2 Lg 08:49:51.299 0.2 T__ --- 1340680 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
KOGS 1.18 319.5 Lg 08:49:53.229 0.6 T__ --- 1340674 FDSN SL -- BUD iLoc BHN ??? _
CRES 1.36 282.1 Pg 08:49:39.943 -0.1 T__ 30.3 --- ML 1.7 1340673 FDSN SL -- BUD iLoc BHZ BHZ _
CRES 1.36 282.1 Sn 08:49:57.061 -0.5 T__ --- 1340675 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
A262A 1.43 336.4 Sn 08:49:57.827 -0.4 T__ --- 1340682 FDSN Z6 00 BUD iLoc HHE ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/09/18 08:53:13.26 1.40 0.97 48.4940 17.5367 13.7 3.5 122 0.0f 8 5 210 0.21 1.26 sx BUD 19004784 BUD 276

```

```

Magnitude Err Nsta Author OrigID

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
MODS 0.21 235.2 Pg 08:53:18.478 0.4 T__ --- 1340707 FDSN SK -- BUD iLoc HHZ ??? _
MODS 0.21 235.2 Lg 08:53:21.217 -0.8 T__ --- 1340708 FDSN SK -- BUD iLoc HHN ??? _
JAVC 0.38 13.6 Pg 08:53:21.856 0.5 T__ 118.3 --- ML 1.4 1340709 FDSN CZ -- BUD iLoc HHZ HHZ _
JAVC 0.38 13.6 Lg 08:53:26.567 -1.1 T__ --- 1340711 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1

```



```

(Station ML: 1.4 magdef=1
ZST 0.42 224.3 Lg 08:53:27.718 -1.0 T__ --- 1340712 FDSN SK -- BUD iLoc HHN ??? _
KRUC 0.95 307.4 Lg 08:53:44.914 -0.4 T__ --- 1340713 FDSN CZ -- BUD iLoc HHN ??? _
CONA 1.26 243.8 Pn 08:53:36.865 -0.9 T__ 36.8 --- ML 1.8 1340710 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 1.26 243.8 Lg 08:53:54.869 0.7 T__ --- 1340714 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/09/19 08:02:44.26 1.04 1.53 47.4771 18.6988 7.1 4.1 164 0.0f 8 6 160 0.22 0.92 sx BUD 19004790 BUD 188

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
BUD 0.22 88.2 Lg 08:02:53.150 -0.5 T__ --- 1344576 FDSN HU -- BUD iLoc HHN ??? _
HU09A 0.27 307.1 Pg 08:02:51.227 1.1 T__ 134.4 --- ML 1.2 1344577 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU09A 0.27 307.1 Lg 08:02:53.590 -1.6 T__ --- 1344578 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
CSKK 0.32 249.2 Pg 08:02:52.008 0.9 T__ 108.6 --- ML 1.2 1344579 FDSN HU -- BUD iLoc HHZ HHZ _
CSKK 0.32 249.2 Lg 08:02:55.734 -1.3 T__ --- 1344580 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
HU08A 0.53 265.3 Lg 08:03:03.148 -0.7 T__ --- 1344581 FDSN Z6 00 BUD iLoc HHN ??? _
MPLH 0.85 249.2 Lg 08:03:12.562 -1.3 T__ --- 1344582 FDSN HU -- BUD iLoc HHN ??? _
PSZ 0.92 60.9 Lg 08:03:16.018 -1.8 T__ --- 1344583 FDSN GE -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/09/19 08:20:48.90 1.14 0.58 48.3909 17.3492 9.2 3.2 124 0.0f 11 6 195 0.05 1.10 sx BUD 19004792 BUD 263

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
MODS 0.05 250.1 Pg 08:20:50.870 0.3 T__ --- 1344607 FDSN SK -- BUD iLoc HHZ ??? _
MODS 0.05 250.1 Lg 08:20:52.361 0.1 T__ --- 1344608 FDSN SK -- BUD iLoc HHN ??? _
ZST 0.26 220.3 Pg 08:20:54.297 -0.2 T__ --- 1344610 FDSN SK -- BUD iLoc HHZ ??? _
ZST 0.26 220.3 Lg 08:20:58.002 -1.0 T__ --- 1344609 FDSN SK -- BUD iLoc HHN ??? _
JAVC 0.51 24.4 Pg 08:20:59.941 0.2 T__ 79.0 --- ML 1.6 1344611 FDSN CZ -- BUD iLoc HHZ HHZ _
JAVC 0.51 24.4 Lg 08:21:07.393 -0.7 T__ --- 1344612 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
KRUC 0.92 317.1 Pg 08:21:06.966 0.4 T__ 47.9 --- ML 1.7 1344614 FDSN CZ -- BUD iLoc HHZ HHZ _
KRUC 0.92 317.1 Lg 08:21:19.656 -0.5 T__ --- 1344613 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
RONA 0.99 226.0 Pg 08:21:09.035 0.5 T__ --- 1344615 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.99 226.0 Lg 08:21:22.065 0.6 T__ --- 1344616 FDSN OE -- BUD iLoc HHN ??? _
CONA 1.10 245.6 Lg 08:21:24.568 -0.2 T__ --- 1344617 FDSN OE -- BUD iLoc HHN ??? _

```

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/19	08:53:58.20	1.42	0.59	47.3913	16.4155	10.2	5.7	108	0.0f	8	6	156	0.31	1.14	sx	BUD	19004794	BUD				227

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
SOP	0.31	18.3	Lg	08:54:09.394	0.1					T__						1344666	FDSN	HU	--	BUD	iLoc	HHN	???	_
RONA	0.32	345.4	Pg	08:54:04.515	-0.4					T__						1344663	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.32	345.4	Lg	08:54:09.220	-0.3					T__						1344665	FDSN	OE	--	BUD	iLoc	HHN	???	_
ARSA	0.62	257.3	Lg	08:54:17.716	-0.4					T__						1344664	FDSN	OE	--	BUD	iLoc	HHN	???	_
CONA	0.65	325.3	Pg	08:54:11.967	0.7					T__	63.7					1344662	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.65	325.3	Lg	08:54:20.398	0.5					T__						1344661	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1)																								
(Station ML: 1.7 magdef=0)																								
KOGS	0.95	186.9	Lg	08:54:29.343	0.2					T__						1344667	FDSN	SL	--	BUD	iLoc	BHN	???	_
MODS	1.14	30.2	Sn	08:54:36.973	-0.7					T__						1344668	FDSN	SK	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/09/19	09:06:34.83	2.38	0.48	47.2440	18.2191	17.9	7.2	146	0.0f	4	3	247	0.12	0.47	sx	BUD	19004796	BUD					308

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
CSKK	0.12	13.3	Pg	09:06:38.072	0.1					T__		294.5			ML	1.1	1344683	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.12	13.3	Lg	09:06:40.499	-0.4					T__						1344682	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=0)																									
HU08A	0.27	313.1	Lg	09:06:46.017	0.1					T__						1344684	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.47	261.2	Lg	09:06:51.868	-0.2					T__						1344685	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/09/19	09:20:05.37	1.23	1.61	47.7525	19.1009	9.4	3.9	5	0.0f	8	5	184	0.11	1.03	sx	BUD	19004798	BUD					256
2023/09/19	09:20:06.03	0.93	1.59	47.8327	19.1394f				0.0f	8	5	169	0.08	0.98	kx	BUD_GT	19004799	BUD_GT					198

(locality: Sejce-Vác Hungary)  
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.3	3 BUD_GT	19004799

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU10A	0.08	278.8	Pg	09:20:08.873	0.7					T__		2361.4			ML	1.9	1344705	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU10A	0.08	278.8	Lg	09:20:09.278	-0.9					T__						1344706	FDSN	Z6	00	BUD	iLoc	HHE	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
HU03A	0.32	76.9	Pg	09:20:14.260	1.3					T__	101.9				ML	1.2	1344707	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.32	76.9	Lg	09:20:18.859	0.7					T__						1344708	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
PSZ	0.52	80.1	Lg	09:20:24.224	-1.3					T__						1344710	FDSN	GE	--	BUD	iLoc	HHN	???	_	
HU09A	0.55	249.5	Lg	09:20:23.117	-3.4					T__						1344709	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

```

HU02A 0.98 72.2 Pg      09:20:26.779  0.6      T__      48.5      ___ ML      1.7 1344712  FDSN Z6      00 BUD  iLoc  HHZ HHZ  _
HU02A 0.98 72.2 Lg      09:20:40.662 -0.9      T__      ___      ___      1344711  FDSN Z6      00 BUD  iLoc  HHN ???  _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1

```

```

Date      Time      Err      RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author      OrigID      Rep  DPdep  Err Sgp
2023/09/20 06:59:25.61  1.23  0.82  47.6083  16.3843  8.7  5.1 136  0.0f      7  5 181  0.11  1.45  sx BUD      19004808  BUD      269

```

Magnitude Err Nsta Author OrigID

```

Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
RONA 0.11 327.0 Pg      06:59:28.480  0.3      T__      ___      ___      1347084  FDSN OE      -- BUD  iLoc  HHZ ???  _
RONA 0.11 327.0 Lg      06:59:29.938 -0.2      T__      ___      ___      1347085  FDSN OE      -- BUD  iLoc  HHN ???  _
SOP  0.14  57.4 Lg      06:59:31.663  0.5      T__      ___      ___      1347088  FDSN HU      -- BUD  iLoc  HHN ???  _
ARSA 0.69 238.8 Pg      06:59:39.064  0.2      T__      ___ ML      1.9 1347090  FDSN OE      -- BUD  iLoc  HHZ HHZ  _
ARSA 0.69 238.8 Lg      06:59:46.993 -0.5      T__      ___      ___      1347086  FDSN OE      -- BUD  iLoc  HHN ???  _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=0
MODS 0.97  37.7 Lg      06:59:59.172 -1.2      T__      ___      ___      1347089  FDSN SK      -- BUD  iLoc  HHN ???  _
KRUC 1.45  0.3 Sn      07:00:13.054  0.7      T__      ___      ___      1347087  FDSN CZ      -- BUD  iLoc  HHN ???  _

```

```

Date      Time      Err      RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author      OrigID      Rep  DPdep  Err Sgp
2023/09/20 08:30:56.28  1.14  1.41  47.9936  20.3063 12.7  4.5 117  0.0f      9  6 168  0.20  0.80  sx BUD      19004810  BUD      197

```

Magnitude Err Nsta Author OrigID  
ML 1.7 0.2 3 BUD 19004810

```

Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
HU02A 0.20 48.7 Pg      08:31:00.769 -0.1      T__      ___ ML      1.5 1347111  FDSN Z6      00 BUD  iLoc  HHZ HHZ  _
HU02A 0.20 48.7 Lg      08:31:03.322 -1.3      T__      ___      ___      1347114  FDSN Z6      00 BUD  iLoc  HHN ???  _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
CP17A 0.26 31.2 Pg      08:31:02.281  0.4      T__      ___ ML      1.7 1347112  FDSN Z6      00 BUD  iLoc  HHZ HHZ  _
CP17A 0.26 31.2 Lg      08:31:05.963 -0.3      T__      ___      ___      1347115  FDSN Z6      00 BUD  iLoc  HHN ???  _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
HU23A 0.36 186.2 Lg      08:31:09.412 -0.7      T__      ___      ___      1347116  FDSN Z6      00 BUD  iLoc  HHN ???  _
CP16A 0.38 24.1 Lg      08:31:09.838 -0.3      T__      ___      ___      1347117  FDSN Z6      00 BUD  iLoc  HHN ???  _
ABAH 0.69 63.8 Pg      08:31:12.352  2.1      T__      ___ ML      2.0 1347113  FDSN HU      -- BUD  iLoc  HHZ HHZ  _
ABAH 0.69 63.8 Lg      08:31:19.717 -2.2      T__      ___      ___      1347118  FDSN HU      -- BUD  iLoc  HHN ???  _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
HU01A 0.80 215.8 Lg      08:31:24.742 -0.7      T__      ___      ___      1347119  FDSN Z6      00 BUD  iLoc  HHN ???  _

```

```

Date      Time      Err      RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author      OrigID      Rep  DPdep  Err Sgp
2023/09/20 08:40:17.67  1.44  1.51  47.3463  18.3832  8.5  5.5  87  0.0f      6  5 110  0.09  1.17  sx BUD      19004812  BUD      193

```

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.09	281.4	Pg	08:40:20.306	0.3					T__		1766.4		---	ML	1.8	1347141	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.09	281.4	Lg	08:40:21.488	-0.9					T__				---		1347140	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=0)																									
HU09A	0.29	359.9	Lg	08:40:29.339	-0.1					T__				---		1347139	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.60	253.3	Lg	08:40:39.559	0.3					T__				---		1347142	FDSN	HU	--	BUD	iLoc	HHE	???	_	
MORH	1.15	170.9	Lg	08:40:56.678	-0.3					T__				---		1347144	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	1.17	60.2	Sn	08:40:56.167	-2.4					T__				---		1347143	FDSN	GE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/20	09:11:58.88	2.01	0.36	46.1043	18.0650	15.4	5.7	73	0.0f		6	3	254	0.03	0.44	sx	BUD	19004814	BUD			311

Magnitude	Err	Nsta	Author	OrigID
ML	1.1	0.0	3 BUD	19004814

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOVH	0.03	123.3	Pg	09:12:00.326	0.2					T__		535.8		---	ML	1.1	1347165	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.03	123.3	Lg	09:12:01.140	-0.5					T__				---		1347164	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
MORH	0.42	74.4	Pg	09:12:07.815	0.1					T__		41.5		---	ML	1.1	1347162	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.42	74.4	Lg	09:12:14.288	-0.2					T__				---		1347163	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
A266A	0.44	18.1	Pg	09:12:08.198	-0.1					T__		210.7		---	ML	1.9	1347167	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A266A	0.44	18.1	Lg	09:12:15.693	0.3					T__				---		1347166	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/09/20	09:41:11.02	2.03	0.59	47.2430	18.2655	14.0	6.3	113	0.0f		8	6	127	0.12	1.29	sx	BUD	19004816	BUD			187	
2023/09/20	09:41:10.79	1.03	0.53	47.2302	18.2835f				0.0f		8	6	129	0.13	1.29	kx	BUD_GT	19004817	BUD_GT			193	
(locality: Iszkaszentgyörgy Hungary)																							
(GT info : GT2 explosion)																							

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.13	353.3	Lg	09:41:17.386	0.2					T__				---		1347190	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU08A	0.32	309.6	Lg	09:41:23.209	-0.1					T__				---		1347191	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.51	263.5	Pg	09:41:21.080	-0.3					T__		70.2		---	ML	1.6	1347193	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.51	263.5	Lg	09:41:29.511	0.1					T__				---		1347192	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=0)																									
BADH	0.70	232.8	Lg	09:41:36.026	1.0					T__				---		1347194	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOVH	1.15	186.4	Pn	09:41:32.918	0.0					T__		51.3		---	ML	1.8	1347196	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	1.15	186.4	Lg	09:41:51.484	0.8					T__				---		1347195	FDSN	HU	--	BUD	iLoc	HHE	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=0)																									

PSZ 1.29 57.1 Sn 09:41:55.061 0.5 T\_\_ --- 1347197 FDSN GE -- BUD iLoc HHN ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/20	12:16:25.81	1.53	0.18	47.3314	18.4200	9.9	5.5	76	0.0f	5	4	176	0.11	1.13	sx	BUD	19004818	BUD				291

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
CSKK	0.11	286.3	Pg	12:16:28.746	0.0					T__		966.3		---	ML	1.6	1347214	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.11	286.3	Lg	12:16:31.287	-0.2					T__				---		1347217	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=0)																									
HU09A	0.31	355.3	Lg	12:16:38.100	-0.0					T__				---		1347218	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU08A	0.35	286.7	Lg	12:16:39.647	0.1					T__				---		1347215	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MORH	1.13	172.1	Lg	12:17:04.516	-0.0					T__				---		1347216	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/09/20	19:31:04.10	1.04	1.29	45.8806	16.0242	7.3	5.0	100	10.0f	9	5	133	0.05	0.92	ke	BUD	19004822	BUD					190

Magnitude Err Nsta Author OrigID  
ML 1.4 0.6 4 BUD 19004822

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
PTJ	0.05	303.9	Pg	19:31:06.555	0.0					T__		293.6		---	ML	0.9	1347666	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.05	303.9	Lg	19:31:07.598	-1.0					T__				---		1347667	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
ZAG	0.06	205.9	Pg	19:31:06.714	0.4					T__		3870.0		---	ML	2.1	1347664	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.06	205.9	Lg	19:31:07.459	-0.6					T__				---		1347665	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
CRES	0.40	262.4	Pg	19:31:13.283	1.2					T__		47.1		---	ML	1.1	1347668	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.40	262.4	Lg	19:31:16.498	-1.6					T__				---		1347669	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
KOGS	0.59	15.4	Pn	19:31:18.286	-0.5					T__		83.4		---	ML	1.7	1347671	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.59	15.4	Lg	19:31:25.014	1.4					T__				---		1347670	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
A264A	0.92	72.0	Lg	19:31:32.850	-1.5					T__				---		1347672	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/09/21	07:23:05.24	1.77	0.87	47.6405	16.4085	11.9	6.5	143	0.0f	6	4	199	0.10	0.94	sx	BUD	19004826	BUD					289

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
RONA	0.10	308.0	Pg	07:23:07.877	0.3					T__				---		1348500	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.10	308.0	Lg	07:23:09.496	0.2					T__				---		1348501	FDSN	OE	--	BUD	iLoc	HHN	???	_

CONA	0.47	308.2	Pg	07:23:15.117	0.5	T__	99.0	___	ML	1.6	1348503	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.47	308.2	Lg	07:23:19.758	-1.2	T__		---			1348502	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1)																			
(Station ML: 1.6 magdef=0)																			
ARSA	0.72	237.3	Lg	07:23:27.636	-0.5	T__		---			1348504	FDSN	OE	--	BUD	iLoc	HHN	???	_
MODS	0.94	38.2	Lg	07:23:38.367	-0.5	T__		---			1348505	FDSN	SK	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/21	07:46:43.47	1.68	1.79	48.6157	21.2739	11.1	7.2	169	0.0f		7	5	167	0.32	0.73	sx	BUD	19004828	BUD			287

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.32	184.1	Pg	07:46:50.844	0.7					T__		128.6		---	ML	1.3	1348524	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.32	184.1	Lg	07:46:54.549	-1.4					T__				---		1348525	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
KECS	0.54	256.1	Lg	07:47:00.934	-1.6					T__				---		1348526	FDSN	SK	--	BUD	iLoc	EHN	???	_	
CP17A	0.64	232.3	Lg	07:47:06.500	0.2					T__				---		1348527	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.70	225.6	Pg	07:46:59.190	1.1					T__	61.0			---	ML	1.7	1348523	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.70	225.6	Lg	07:47:06.898	-2.1					T__				---		1348528	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
KOLS	0.73	63.9	Lg	07:47:07.996	-1.5					T__				---		1348529	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/21	08:54:57.73	1.49	1.03	48.5429	20.8070	8.9	5.8	10	0.0f		8	6	173	0.22	1.05	sx	BUD	19004830	BUD			235

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KECS	0.22	254.5	Pg	08:55:02.171	-0.2					T__		640.7		---	ML	1.7	1348552	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.22	254.5	Lg	08:55:06.387	0.4					T__				---		1348551	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
CP17A	0.38	211.4	Lg	08:55:12.359	0.9					T__				---		1348550	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ABAH	0.38	130.4	Lg	08:55:11.422	-0.8					T__				---		1348555	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU02A	0.46	204.2	Pg	08:55:07.931	0.4					T__	85.2			---	ML	1.5	1348554	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.46	204.2	Lg	08:55:14.148	-0.9					T__				---		1348553	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
PSZ	0.87	224.7	Lg	08:55:28.456	-0.8					T__				---		1348556	FDSN	GE	--	BUD	iLoc	HHN	???	_	
KOLS	1.05	67.5	Lg	08:55:35.359	1.4					T__				---		1348557	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/21	10:55:36.76	2.30	0.68	47.8302	20.1581	18.7	3.9	163	0.0f		11	7	224	0.20	0.86	sx	BUD	19004832	BUD			241

Magnitude Err Nsta Author OrigID  
ML 1.7 0.1 4 BUD 19004832

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.20	296.5	Pg	10:55:42.086	0.5					T__		702.8		---	ML	1.7	1348585	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.20	296.5	Lg	10:55:44.427	-1.0					T__				---		1348587	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
HU02A	0.38	40.0	Pg	10:55:45.163	0.1					T__		135.7		---	ML	1.5	1348583	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.38	40.0	Lg	10:55:50.729	-0.8					T__				---		1348589	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
HU03A	0.38	281.3	Lg	10:55:50.559	-0.6					T__				---		1348588	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP17A	0.46	31.2	Pg	10:55:46.536	0.3					T__		163.8		---	ML	1.8	1348584	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.46	31.2	Lg	10:55:52.943	-0.4					T__				---		1348590	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
CP16A	0.57	26.4	Lg	10:55:57.824	0.6					T__				---		1348586	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KECS	0.69	18.4	Pg	10:55:51.070	0.4					T__		76.2		---	ML	1.8	1348592	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.69	18.4	Lg	10:56:00.693	-0.4					T__				---		1348591	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
ABAH	0.86	56.9	Lg	10:56:07.422	-0.5					T__				---		1348593	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/21	11:48:14.54	1.01	0.93	47.8974	16.0907	6.9	4.1	25	0.0f		7	5	88	0.16	1.18	sx	BUD	19004834	BUD			158

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.16	281.4	Pg	11:48:18.278	0.4					T__		162.0		---	ML	0.9	1348616	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.16	281.4	Lg	11:48:19.513	-0.8					T__				---		1348617	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=0)																									
RONA	0.24	144.9	Pg	11:48:19.982	0.3					T__				---		1348618	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.24	144.9	Lg	11:48:22.409	-0.8					T__				---		1348619	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.75	210.9	Lg	11:48:38.676	0.1					T__				---		1348620	FDSN	OE	--	BUD	iLoc	HHN	???	_	
MODS	0.93	58.6	Lg	11:48:47.533	-0.2					T__				---		1348621	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KRUC	1.18	9.7	Sn	11:48:53.239	-1.4					T__				---		1348622	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/21	11:54:59.19	1.26	2.18	47.8682	16.0182	12.2	5.8	42	0.0f		5	4	120	0.12	1.22	sx	BUD	19004836	BUD			196

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.12	299.8	Pg	11:55:02.129	0.3					T__		237.4		---	ML	1.0	1348637	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.12	299.8	Lg	11:55:03.364	-0.4					T__				---		1348638	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=0)																									
RONA	0.25	131.9	Lg	11:55:08.005	-0.2					T__				---		1348639	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.70	208.7	Lg	11:55:21.462	-0.2					T__				---		1348640	FDSN	OE	--	BUD	iLoc	HHN	???	_	

KRUC 1.22 11.7 Sn 11:55:37.132 -3.0 T\_\_ --- 1348641 FDSN CZ -- BUD iLoc HHN ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/22	07:16:18.64	1.01	1.29	47.8919	20.0825	6.5	3.9	166	0.0f		9	7	116	0.13	0.87	sx	BUD	19004840	BUD			210
2023/09/22	07:16:18.47	0.96	0.88	47.8987	20.0893f				0.0f		9	7	113	0.13	0.87	kx	BUD_GT	19004841	BUD_GT			208

(locality: Recsk Hungary)  
(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
PSZ	0.13	278.6	Pg	07:16:22.087	0.1					T__		789.3		---	ML	1.6	1350104	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.13	278.6	Lg	07:16:24.727	-0.2					T__				---		1350105	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1 Station ML: 1.6 magdef=0)																									
HU23A	0.28	157.3	Lg	07:16:29.390	-0.3					T__				---		1350103	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU03A	0.33	271.1	Lg	07:16:31.093	0.1					T__				---		1350106	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.37	52.4	Lg	07:16:31.860	-0.9					T__				---		1350107	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP17A	0.43	41.3	Lg	07:16:34.415	0.4					T__				---		1350108	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KECS	0.64	24.2	Lg	07:16:41.824	0.6					T__				---		1350109	FDSN	SK	--	BUD	iLoc	EHN	???	_	
ABAH	0.87	62.3	Pn	07:16:37.481	0.8					T__		62.9		---	ML	1.8	1350111	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.87	62.3	Lg	07:16:47.701	-2.0					T__				---		1350110	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=0)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/22	07:33:12.78	1.01	1.39	45.9823	22.8330	7.8	4.3	89	0.0f		10	7	106	0.11	1.75	sx	BUD	19004842	BUD			170

Magnitude Err Nsta Author OrigID  
ML 2.0 0.1 4 BUD 19004842

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
DEV	0.11	153.6	Pg	07:33:14.809	-0.1					T__		2276.6		---	ML	2.0	1350139	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.11	153.6	Lg	07:33:17.109	0.7					T__				---		1350140	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1 Station ML: 2.0 magdef=1)																									
GZR	0.59	183.9	Pg	07:33:24.071	-0.1					T__		191.9		---	ML	2.1	1350141	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	0.59	183.9	Lg	07:33:33.610	1.0					T__				---		1350142	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1 Station ML: 2.1 magdef=1)																									
DRGR	0.81	354.1	Pg	07:33:29.021	-0.1					T__		106.0		---	ML	2.0	1350145	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.0 magdef=1 Station ML: 2.0 magdef=1)																									
LOT	0.85	128.8	Lg	07:33:38.124	-3.3					T__				---		1350143	FDSN	RO	--	BUD	iLoc	HHN	???	_	
CJR	0.90	35.7	Pg	07:33:31.085	0.4					T__		269.7		---	ML	2.4	1350137	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
CJR	0.90	35.7	Lg	07:33:44.542	-0.0					T__				---		1350136	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.4 magdef=1 Station ML: 2.4 magdef=1)																									
BZS	0.93	247.2	Lg	07:33:43.276	-0.7					T__				---		1350144	FDSN	RO	--	BUD	iLoc	HHN	???	_	
BMR	1.75	14.8	Sn	07:34:08.474	0.6					T__				---		1350138	FDSN	RO	--	BUD	iLoc	HHN	???	_	



Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/22	07:53:35.41	0.95	1.30	47.6705	18.5313	5.0	3.4	167	0.0f	10	8	120	0.11	1.10	sx	BUD	19004844	BUD				165

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU09A	0.11	252.5	Pg	07:53:38.831	0.8					T__		2454.8		---	ML	2.0	1350172	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU09A	0.11	252.5	Lg	07:53:40.151	-0.4					T__				---		1350173	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
SRO	0.21	314.2	Pg	07:53:41.024	1.0					T__		1542.1		---	ML	2.1	1350175	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
SRO	0.21	314.2	Lg	07:53:43.398	-0.6					T__				---		1350174	FDSN	SK	--	BUD	iLoc	EHE	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
HU10A	0.37	61.8	Lg	07:53:49.306	-0.5					T__				---		1350176	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
BUD	0.38	119.1	Lg	07:53:50.286	-0.0					T__				---		1350177	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU08A	0.48	240.0	Lg	07:53:51.733	-1.5					T__				---		1350178	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU03A	0.76	71.7	Lg	07:54:01.953	-0.8					T__				---		1350179	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.95	74.4	Lg	07:54:08.171	-1.8					T__				---		1350180	FDSN	GE	--	BUD	iLoc	HHN	???	_	
MODS	1.10	310.4	Lg	07:54:12.514	-1.9					T__				---		1350181	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/22	08:03:57.50	0.90	1.19	48.2380	18.8152	5.8	3.2	26	0.0f	20	15	127	0.42	1.37	sx	BUD	19004846	BUD				158

Magnitude Err Nsta Author OrigID  
ML 2.0 0.2 4 BUD 19004846

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU10A	0.42	160.8	Lg	08:04:13.052	-0.2					T__				---		1350216	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
SRO	0.54	218.6	Lg	08:04:16.757	-0.9					T__				---		1350217	FDSN	SK	--	BUD	iLoc	EHN	???	_	
HU03A	0.62	122.1	Pg	08:04:11.732	1.1					T__		116.4		---	ML	1.9	1350219	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.62	122.1	Lg	08:04:19.141	-0.9					T__				---		1350218	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
BUD	0.77	169.4	Lg	08:04:24.677	-0.9					T__				---		1350220	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	0.79	113.4	Pg	08:04:14.372	0.1					T__		83.5		---	ML	1.9	1350222	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.79	113.4	Lg	08:04:24.848	-1.5					T__				---		1350221	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
CSKK	0.95	203.3	Lg	08:04:30.724	-1.0					T__				---		1350223	FDSN	HU	--	BUD	iLoc	HHN	???	_	
JAVC	0.98	309.7	Pg	08:04:18.034	0.5					T__		123.8		---	ML	2.1	1350225	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.98	309.7	Lg	08:04:31.235	-1.3					T__				---		1350224	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
HU08A	1.01	217.0	Lg	08:04:32.002	-1.1					T__				---		1350226	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MODS	1.04	278.1	Pg	08:04:19.908	1.5					T__				---		1350228	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	1.04	278.1	Lg	08:04:32.683	-1.5					T__				---		1350227	FDSN	SK	--	BUD	iLoc	HHN	???	_	
CP17A	1.13	90.3	Pn	08:04:21.271	1.8					T__		94.0		---	ML	2.1	1350230	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	1.13	90.3	Sn	08:04:35.408	-1.4					T__				---		1350229	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

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(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
KECS 1.14 77.0 Sn 08:04:36.515 -0.9 T__ --- 1350231 FDSN SK -- BUD iLoc EHN ??? _
ZST 1.15 268.5 Lg 08:04:36.856 -0.6 T__ --- 1350233 FDSN SK -- BUD iLoc HHN ??? _
HUO2A 1.15 95.1 Sn 08:04:36.856 -1.0 T__ --- 1350232 FDSN Z6 00 BUD iLoc HHN ??? _
EGYH 1.29 231.1 Sn 08:04:41.625 0.6 T__ --- 1350234 FDSN HU -- BUD iLoc HHN ??? _
MPLH 1.37 219.4 Sn 08:04:44.266 1.3 T__ --- 1350235 FDSN HU -- BUD iLoc HHN ??? _

```

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/09/22 08:13:38.15 1.19 1.64 48.5807 20.7576 6.5 5.1 173 0.0f 9 7 151 0.21 0.89 sx BUD 19004848 BUD 249

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Magnitude Err Nsta Author OrigID
ML 1.3 0.0 5 BUD 19004848

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
KECS 0.21 241.7 Pg 08:13:42.577 0.1 T__ 1118.9 --- ML 1.9 1350264 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.21 241.7 Lg 08:13:45.110 -0.7 T__ --- 1350265 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=0
CP16A 0.28 211.3 Pg 08:13:45.153 1.2 T__ 178.7 --- ML 1.3 1350266 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP16A 0.28 211.3 Lg 08:13:49.603 1.3 T__ --- 1350267 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
CP17A 0.40 204.5 Pg 08:13:46.622 0.3 T__ 133.2 --- ML 1.5 1350268 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
ABAH 0.43 131.4 Pg 08:13:46.899 -0.0 T__ 71.8 --- ML 1.3 1350269 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
HUO2A 0.48 198.8 Pg 08:13:48.134 -0.3 T__ 35.9 --- ML 1.2 1350270 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=0
PSZ 0.88 221.4 Lg 08:14:06.423 -3.4 T__ --- 1350271 FDSN GE -- BUD iLoc HHN ??? _
NIE 0.89 340.4 Lg 08:14:08.212 0.6 T__ --- 1350272 FDSN PL -- BUD iLoc BHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/09/22 10:09:16.21 3.62 1.64 46.0981 21.4913 28.7 14.7 132 15.0f 7 5 210 0.49 1.72 ke BUD 19004850 BUD 272

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
BZS 0.49 169.6 Pg 10:09:26.103 0.0 T__ 48.7 --- ML 1.3 1350814 FDSN RO -- BUD iLoc HHZ HHZ _
BZS 0.49 169.6 Lg 10:09:32.767 -0.2 T__ --- 1350815 FDSN RO -- BUD iLoc HHE ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
BANR 0.76 199.3 Lg 10:09:41.562 -0.0 T__ --- 1350817 FDSN RO -- BUD iLoc HHN ??? _
DRGR 1.09 50.1 Sn 10:09:49.503 -2.1 T__ --- 1350816 FDSN RO -- BUD iLoc HHN ??? _
GZR 1.14 127.6 Pn 10:09:37.750 0.7 T__ 82.2 --- ML 2.1 1350812 FDSN RO -- BUD iLoc HHZ HHZ _
GZR 1.14 127.6 Sn 10:09:52.058 -0.7 T__ --- 1350811 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1

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(Station ML: 2.1 magdef=1  
 LOT 1.72 111.4 Sn 10:10:09.517 2.3 T\_\_ --- 1350813 FDSN RO -- BUD iLoc HHN ??? \_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/09/23 09:53:03.78 1.00 1.95 48.4893 22.9263 6.2 4.9 5 0.0f 13 9 130 0.39 2.11 sx BUD 19004856 BUD 198

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MEZ	0.39	86.2	Pg	09:53:10.901	-0.6					T__						1352445	FDSN	UA	--	BUD	iLoc	BHZ	???	_
MEZ	0.39	86.2	Lg	09:53:17.799	0.2					T__						1352444	FDSN	UA	--	BUD	iLoc	BHN	???	_
TRPA	0.44	215.9	Pg	09:53:12.562	-0.1					T__	85.6			ML	1.5	1352441	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.44	215.9	Lg	09:53:20.610	0.2					T__						1352442	FDSN	HU	--	BUD	iLoc	HHN	???	_

(Reading ML: 1.5 magdef=1

(Station ML: 1.5 magdef=1

UZH	0.44	288.9	Lg	09:53:18.992	-1.3					T__						1352443	FDSN	UA	--	BUD	iLoc	BHN	???	_
KOLS	0.62	316.0	Pg	09:53:17.459	1.7					T__						1352447	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	0.62	316.0	Lg	09:53:23.640	-2.3					T__						1352453	FDSN	SK	--	BUD	iLoc	HHN	???	_
BMR	0.90	154.7	Lg	09:53:36.621	1.2					T__						1352446	FDSN	RO	--	BUD	iLoc	HHN	???	_
ABAH	1.14	260.9	Lg	09:53:41.050	-2.4					T__						1352448	FDSN	HU	--	BUD	iLoc	HHN	???	_
KECS	1.62	270.7	Sn	09:53:55.911	0.1					T__						1352451	FDSN	SK	--	BUD	iLoc	EHN	???	_
HU02A	1.64	258.0	Pn	09:53:33.342	0.0					T__	43.6			ML	2.1	1352450	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.64	258.0	Sn	09:53:56.380	-0.1					T__						1352449	FDSN	Z6	00	BUD	iLoc	HHN	???	_

(Reading ML: 2.1 magdef=1

(Station ML: 2.1 magdef=1

PSZ 2.11 255.4 Sn 09:54:12.264 4.5 T\_\_ --- 1352452 FDSN GE -- BUD iLoc HHN ??? \_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/09/25 06:52:24.74 1.35 0.89 48.5099 17.5277 13.5 3.5 122 0.0f 7 5 210 0.22 1.26 sx BUD 19004866 BUD 279

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MODS	0.22	230.8	Pg	06:52:29.638	0.0					T__						1353788	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.22	230.8	Lg	06:52:32.405	-1.3					T__						1353791	FDSN	SK	--	BUD	iLoc	HHN	???	_
JAVC	0.36	15.1	Pg	06:52:32.704	0.2					T__	92.5			ML	1.3	1353789	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.36	15.1	Lg	06:52:38.112	-0.5					T__						1353792	FDSN	CZ	--	BUD	iLoc	HHN	???	_

(Reading ML: 1.3 magdef=1

(Station ML: 1.3 magdef=0

KRUC	0.93	306.8	Lg	06:52:56.164	-0.1					T__						1353793	FDSN	CZ	--	BUD	iLoc	HHN	???	_
RONA	1.16	226.0	Lg	06:53:03.264	0.6					T__						1353790	FDSN	OE	--	BUD	iLoc	HHN	???	_
CONA	1.26	243.0	Lg	06:53:06.628	0.9					T__						1353794	FDSN	OE	--	BUD	iLoc	HHN	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/09/25 07:57:42.87 1.71 1.12 48.4432 17.0719 11.6 5.3 125 4.0f 5 3 228 0.15 0.58 ke BUD 19004868 BUD 301

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
-----	------	------	-------	------	------	------	-------	------	------	-----	-----	-----	-----	------	-----------	-------	-----	--------	----	------	-----	-----	-----	---

MODS	0.15	116.9	Pg	07:57:46.996	0.6	T__	---	1353808	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.15	116.9	Lg	07:57:48.470	-0.8	T__	---	1353809	FDSN	SK	--	BUD	iLoc	HHN	???	_
ZST	0.25	175.3	Pg	07:57:48.550	0.4	T__	---	1353810	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.25	175.3	Lg	07:57:51.318	-0.8	T__	---	1353811	FDSN	SK	--	BUD	iLoc	HHN	???	_
JAVC	0.58	43.4	Lg	07:58:02.746	-0.8	T__	---	1353812	FDSN	CZ	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/25	08:33:47.61	1.03	1.11	48.4929	20.7249	5.1	4.2	98	0.0f	12	9	82	0.16	1.12	sx	BUD	19004870	BUD				159

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.4	3 BUD	19004870

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
KECS	0.16	266.6	Pg	08:33:50.120	-0.9					T__		1206.0		---	ML	1.8	1353852	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.16	266.6	Lg	08:33:54.166	0.4					T__				---		1353853	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
CP16A	0.19	219.3	Lg	08:33:56.465	1.6					T__				---		1353859	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP17A	0.31	207.6	Lg	08:34:00.468	1.5					T__				---		1353860	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.39	199.9	Pg	08:33:55.784	-0.3					T__		43.4		---	ML	1.0	1353856	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.39	199.9	Lg	08:34:03.066	0.4					T__				---		1353855	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
ABAH	0.40	119.7	Lg	08:34:01.916	-0.8					T__				---		1353854	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	0.80	224.3	Lg	08:34:15.202	-1.4					T__				---		1353861	FDSN	GE	--	BUD	iLoc	HHN	???	_	
HU03A	0.96	232.4	Lg	08:34:21.760	0.3					T__				---		1353858	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
NIE	0.97	343.3	Pg	08:34:07.026	1.1					T__		32.4		---	ML	1.5	1353862	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.97	343.3	Lg	08:34:19.205	-0.4					T__				---		1353857	FDSN	PL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
KOLS	1.12	66.2	Lg	08:34:25.251	-0.8					T__				---		1353863	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/09/25	09:43:37.22	2.00	1.34	48.9875	21.2063	13.0	7.9	56	0.0f	11	7	231	0.69	1.38	sx	BUD	19004872	BUD					314

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.1	4 BUD	19004872

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ABAH	0.69	178.2	Pg	09:43:51.440	0.5					T__		119.9		---	ML	2.0	1353918	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.69	178.2	Lg	09:44:01.490	-0.9					T__				---		1353919	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
KECS	0.69	223.7	Pg	09:43:51.738	0.7					T__		85.4		---	ML	1.8	1353912	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.69	223.7	Lg	09:44:00.340	-1.1					T__				---		1353911	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
NIE	0.73	306.3	Lg	09:44:01.234	-0.4					T__				---		1353921	FDSN	PL	--	BUD	iLoc	BHN	???	_	
CP16A	0.78	214.6	Pg	09:43:52.718	-0.1					T__		114.7		---	ML	2.0	1353914	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.78	214.6	Lg	09:44:06.430	2.0					T__				---		1353913	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

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(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
CP17A 0.90 211.2 Lg 09:44:06.515 -2.0 T__ --- 1353915 FDSN Z6 00 BUD iLoc HHN ??? _
HU02A 0.98 207.9 Pn 09:43:55.699 -1.5 T__ 33.6 --- ML 1.6 1353917 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.98 207.9 Lg 09:44:10.943 -0.6 T__ --- 1353916 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
PSZ 1.38 219.7 Sn 09:44:24.315 1.0 T__ --- 1353920 FDSN GE -- BUD iLoc HHN ??? _

```

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/25	12:32:10.32	1.05	1.21	45.9393	22.7008	6.1	5.2	68	0.0f	7	4	113	0.15	0.85	sx	BUD	19004874	BUD				224

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Magnitude Err Nsta Author OrigID
ML 1.8 0.2 3 BUD 19004874

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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DEV	0.15	111.5	Pg	12:32:13.115	-0.1					T__		1519.8		---	ML	1.9	1353949	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.15	111.5	Lg	12:32:15.862	0.5					T__				---		1353948	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1 (Station ML: 1.9 magdef=1																									
GZR	0.55	174.4	Pg	12:32:21.312	0.4					T__		55.1		---	ML	1.5	1353952	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	0.55	174.4	Lg	12:32:27.870	-0.9					T__				---		1353951	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1 (Station ML: 1.5 magdef=1																									
BZS	0.82	247.4	Lg	12:32:37.835	-0.3					T__				---		1353950	FDSN	RO	--	BUD	iLoc	HHN	???	_	
DRGR	0.85	0.5	Pg	12:32:27.934	0.5					T__		63.7		---	ML	1.8	1353946	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	0.85	0.5	Lg	12:32:38.218	-2.1					T__				---		1353947	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1 (Station ML: 1.8 magdef=1																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/09/26	01:31:56.00	0.69	0.58	46.8760	20.6695	3.4	3.1	27	10.3	0.7	27	18	68	0.14	2.08	ke	BUD	19004876	BUD				89

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Magnitude Err Nsta Author OrigID
ML 2.0 0.3 18 BUD 19004876

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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
STMP1	0.14	120.5	Pg	01:31:59.148	-0.5					T__		1150.7		_d	ML	1.7	802751	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
STMP1	0.14	120.5	Lg	01:32:02.725	0.2					T__				---		802753	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=1																									
HU06A	0.18	203.2	Pg	01:32:00.129	-0.3					T__		572.4		---	ML	1.6	802755	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.18	203.2	Lg	01:32:04.568	0.9					T__				---		802754	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=0																									
STMP2	0.18	294.5	Pg	01:32:00.417	-0.1					T__		517.0		---	ML	1.5	802777	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
STMP2	0.18	294.5	Lg	01:32:04.619	0.8					T__				---		802776	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1 (Station ML: 1.5 magdef=0																									
HU12A	0.33	19.3	Pg	01:32:03.096	-0.1					T__		234.8		---	ML	1.6	802757	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_

HU12A	0.33	19.3	Lg	01:32:09.612	1.1	T__				802758	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																			
(Station ML: 1.6 magdef=0)																			
HU24A	0.34	84.1	Pg	01:32:03.218	-0.2	T__	365.6	---	ML	1.8	802756	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.8 magdef=1)																			
(Station ML: 1.8 magdef=1)																			
HU13A	0.45	284.6	Pg	01:32:05.360	-0.4	T__	147.9	---	ML	1.7	802759	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU13A	0.45	284.6	Lg	01:32:11.558	-1.0	T__		---			802772	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1)																			
(Station ML: 1.7 magdef=1)																			
BSZH	0.51	327.2	Pg	01:32:06.671	-0.3	T__	150.1	---	ML	1.9	802773	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1)																			
(Station ML: 1.9 magdef=1)																			
HU14A	0.59	223.7	Pg	01:32:08.511	0.3	T__	220.0	---	ML	2.2	802774	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.2 magdef=1)																			
(Station ML: 2.2 magdef=1)																			
HU05A	0.75	25.1	Pg	01:32:11.601	0.2	T__	140.1	---	ML	2.1	802760	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.1 magdef=1)																			
(Station ML: 2.1 magdef=1)																			
HU23A	0.82	339.6	Pg	01:32:12.682	-0.4	T__	220.2	---	ML	2.3	802762	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.3 magdef=1)																			
(Station ML: 2.3 magdef=0)																			
HU21A	0.85	230.4	Pg	01:32:12.655	-0.3	T__	149.5	---	ML	2.1	802761	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.1 magdef=1)																			
(Station ML: 2.1 magdef=1)																			
HU04B	0.85	266.2	Pg	01:32:13.042	-0.2	T__	154.2	---	ML	2.2	802763	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU04B	0.85	266.2	Lg	01:32:25.498	-0.5	T__		---			802764	FDSN	Z6	00	BUD	iLoc	HHE	???	_
(Reading ML: 2.2 magdef=1)																			
(Station ML: 2.2 magdef=1)																			
HU01A	0.86	303.6	Pg	01:32:13.953	-0.2	T__	154.6	---	ML	2.2	802766	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU01A	0.86	303.6	Lg	01:32:25.919	0.1	T__		---			802765	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.2 magdef=1)																			
(Station ML: 2.2 magdef=1)																			
LTVH	0.98	58.3	Pg	01:32:14.635	-1.1	T__	135.7	---	ML	2.2	802775	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.2 magdef=1)																			
(Station ML: 2.2 magdef=1)																			
PSZ	1.17	333.5	Pn	01:32:18.164	-0.3	T__	51.5	---	ML	1.9	802768	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.17	333.5	Sn	01:32:34.577	0.1	T__		---			802769	FDSN	GE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1)																			
(Station ML: 1.9 magdef=1)																			
A272A	1.18	264.2	Pn	01:32:19.013	0.5	T__	125.6	---	ML	2.3	802752	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.3 magdef=1)																			
(Station ML: 2.3 magdef=0)																			
HU02A	1.25	355.6	Pn	01:32:19.557	-0.0	T__	32.7	---	ML	1.7	802771	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.25	355.6	Sn	01:32:37.472	1.0	T__		---			802770	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1)																			
(Station ML: 1.7 magdef=1)																			
GZR	2.08	134.6	Pn	01:32:30.456	-0.6	T__	39.5	---	ML	2.3	802767	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.3 magdef=1)																			
(Station ML: 2.3 magdef=0)																			

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
------	------	-----	-----	----------	-----------	------	------	----	-------	-----	------	------	-----	-------	-------	------	--------	--------	-----	-------	-----	-----

2023/09/26 08:05:22.91 1.16 0.75 47.4256 18.7266 12.0 4.7 168 0.0f 5 4 185 0.21 0.93 sx BUD 19004878 BUD 238

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BUD	0.21	73.8	Lg	08:05:31.298	-0.6					T__						1354960	FDSN	HU	--	BUD	iLoc	HHE	???	_	
HU09A	0.32	312.5	Lg	08:05:35.216	-0.3					T__						1354961	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CSKK	0.32	259.0	Pg	08:05:29.850	0.0					T__		169.1		---	ML	1.4	1354963	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.32	259.0	Lg	08:05:35.897	0.1					T__						1354962	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=0)																									
PSZ	0.93	57.6	Lg	08:05:57.615	0.8					T__						1354964	FDSN	GE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/26	09:03:28.44	2.35	0.96	47.2618	18.2487	17.9	5.1	132	0.0f	5	3	254	0.10	0.49		sx	BUD	19004880	BUD			311
2023/09/26	09:03:27.73	1.01	0.85	47.2302	18.2835f				0.0f	5	3	270	0.13	0.51		kx	BUD_GT	19004881	BUD_GT			316

(locality: Iszkaszentgyörgy Hungary)  
(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.13	353.3	Pg	09:03:31.394	0.3					T__		239.5		---	ML	1.1	1354982	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.13	353.3	Lg	09:03:33.076	-1.1					T__						1354981	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=0)																									
HU08A	0.32	309.6	Lg	09:03:39.974	-0.3					T__						1354983	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.51	263.5	Pg	09:03:39.091	0.7					T__		79.8		---	ML	1.6	1354980	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.51	263.5	Lg	09:03:45.436	-1.0					T__						1354984	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=0)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/26	09:42:02.03	2.68	1.67	47.3977	18.3597	26.2	5.6	124	0.0f	6	5	115	0.08	1.20		sx	BUD	19004882	BUD			180

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.08	242.9	Pg	09:42:04.529	0.3					T__		955.9		---	ML	1.5	1355002	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.08	242.9	Lg	09:42:05.863	-0.6					T__						1355003	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=0)																									
HU09A	0.24	3.6	Lg	09:42:11.793	-0.2					T__						1355004	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.60	248.1	Lg	09:42:23.461	-0.2					T__						1355005	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	1.16	62.8	Sn	09:42:40.603	-2.1					T__						1355007	FDSN	GE	--	BUD	iLoc	HHE	???	_	
MORH	1.20	170.5	Sn	09:42:40.858	-1.9					T__						1355006	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/26	09:59:59.73	1.54	0.81	48.0944	17.0771	21.3	4.1	134	0.0f	6	3	207	0.31	0.83		sx	BUD	19004884	BUD			334

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.31	25.5	Pg	10:00:06.643	0.1					T__						1355028	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.31	25.5	Lg	10:00:11.795	-0.2					T__						1355027	FDSN	SK	--	BUD	iLoc	HHN	???	_	
RONA	0.66	233.4	Pg	10:00:12.860	-0.0					T__						1355025	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.66	233.4	Lg	10:00:21.717	0.0					T__						1355026	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.83	258.9	Pg	10:00:17.118	0.9					T__		62.3		---	ML	1.8	1355024	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.83	258.9	Lg	10:00:26.061	-1.1					T__				---		1355023	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=0)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/26	10:38:24.72	0.88	1.17	48.4066	17.3285	5.3	2.7	109	0.0f		23	16	110	0.05	1.68	sx	BUD	19004886	BUD			131

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.1	6 BUD	19004886

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.05	225.9	Pg	10:38:26.510	0.2					T__						1355066	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.05	225.9	Lg	10:38:27.660	-0.3					T__						1355067	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ZST	0.26	215.7	Pg	10:38:29.853	-0.6					T__						1355069	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
ZST	0.26	215.7	Lg	10:38:33.750	-1.2					T__						1355068	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.51	26.5	Pg	10:38:36.049	0.7					T__		281.9		---	ML	2.2	1355070	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.51	26.5	Lg	10:38:41.500	-2.1					T__				---		1355071	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
SOP	0.89	215.8	Lg	10:38:56.276	2.1					T__						1355074	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KRUC	0.90	317.1	Pg	10:38:42.202	0.2					T__		117.2		---	ML	2.1	1355072	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	0.90	317.1	Lg	10:38:54.530	-0.8					T__				---		1355073	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
RONA	0.99	224.8	Pg	10:38:43.885	-0.5					T__						1355077	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.99	224.8	Lg	10:38:58.831	1.5					T__						1355078	FDSN	OE	--	BUD	iLoc	HHN	???	_	
EGYH	0.99	179.9	Lg	10:38:59.555	0.7					T__						1355079	FDSN	HU	--	BUD	iLoc	HHN	???	_	
VRAC	1.02	332.0	Pg	10:38:44.864	0.7					T__		28.2		---	ML	1.5	1355076	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
VRAC	1.02	332.0	Lg	10:38:59.087	-0.1					T__				---		1355075	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=0)																									
HU09A	1.04	137.0	Sn	10:39:00.322	-1.9					T__						1355080	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU08A	1.05	157.5	Lg	10:39:01.003	-0.9					T__						1355081	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CONA	1.09	244.6	Pg	10:38:45.332	-0.9					T__		70.4		---	ML	2.0	1355083	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	1.09	244.6	Lg	10:39:01.684	1.3					T__				---		1355082	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
CSKK	1.22	148.7	Sn	10:39:06.880	0.3					T__						1355084	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MPLH	1.25	173.4	Sn	10:39:06.709	-0.2					T__						1355085	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MORC	1.38	5.8	Pg	10:38:51.039	0.7					T__		78.6		---	ML	2.2	1355086	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
TREC	1.51	306.9	Lg	10:39:11.649	-2.0					T__						1355087	FDSN	CZ	--	BUD	iLoc	HHN	???	_	



ARSA 1.68 227.1 Pn 10:38:55.723 0.7 T\_\_ 61.0 \_\_\_ ML 2.2 1355088 FDSN OE -- BUD iLoc HHZ HHZ \_  
 (Reading ML: 2.2 magdef=1  
 (Station ML: 2.2 magdef=0

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/27	07:22:44.62	1.02	1.27	48.4056	17.3097	10.7	3.1	118	0.0f	9	6	185	0.04	1.08	sx	BUD	19004890	BUD				255

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.04	214.0	Pg	07:22:46.165	0.1					T__						1356150	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.04	214.0	Lg	07:22:47.209	-0.4					T__						1356151	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ZST	0.25	213.5	Pg	07:22:49.529	-0.6					T__						1356152	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
ZST	0.25	213.5	Lg	07:22:53.420	-1.1					T__						1356153	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.51	27.7	Pg	07:22:55.251	-0.1					T__	165.5			___	ML	1.9	1356154	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.51	27.7	Lg	07:23:04.492	0.8					T__						1356155	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1 (Station ML: 1.9 magdef=0																									
KRUC	0.89	317.7	Lg	07:23:13.882	-1.1					T__						1356156	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
RONA	0.98	224.3	Lg	07:23:18.566	1.7					T__						1356157	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	1.08	244.3	Lg	07:23:21.717	1.8					T__						1356158	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/27	08:19:54.66	1.34	1.14	46.1280	17.9895	9.3	6.0	122	0.0f	8	5	133	0.09	1.09	sx	BUD	19004892	BUD				226

Magnitude Err Nsta Author OrigID  
 ML 1.7 0.4 3 BUD 19004892

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
KOVH	0.09	117.3	Pg	08:19:57.370	0.3					T__		1337.7			___	ML	1.7	1356180	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.09	117.3	Lg	08:19:58.562	-0.7					T__						1356181	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=1																										
A273A	0.24	209.8	Lg	08:20:03.431	-0.5					T__						1356183	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
A266A	0.44	25.5	Lg	08:20:10.227	-0.9					T__						1356184	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
MORH	0.46	78.9	Pg	08:20:04.811	0.5					T__	52.0			___	ML	1.3	1356179	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
MORH	0.46	78.9	Lg	08:20:11.305	-0.5					T__						1356178	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.3 magdef=1 (Station ML: 1.3 magdef=1																										
MPLH	1.09	343.6	Pn	08:20:17.075	1.1					T__		69.3		___	ML	1.9	1356182	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
MPLH	1.09	343.6	Sn	08:20:30.489	-1.9					T__						1356185	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.9 magdef=1 (Station ML: 1.9 magdef=1																										

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/27	08:47:58.93	0.95	0.92	48.8255	20.5245	9.3	3.5	82	0.0f	14	7	151	0.34	1.00	sx	BUD	19004894	BUD				292

Magnitude Err Nsta Author OrigID  
 ML 2.2 0.2 7 BUD 19004894

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
KECS	0.34	184.3	Pg	08:48:05.833	-0.1					T__		865.7		___	ML	2.2	1356219	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.34	184.3	Lg	08:48:11.838	0.6					T__				---		1356224	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
CP16A	0.48	178.8	Pg	08:48:09.551	0.9					T__		687.6		___	ML	2.5	1356226	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.48	178.8	Lg	08:48:16.705	0.7					T__				---		1356225	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.5 magdef=1)																									
(Station ML: 2.5 magdef=0)																									
CP17A	0.61	180.9	Pg	08:48:11.231	-0.0					T__		384.1		___	ML	2.4	1356228	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.61	180.9	Lg	08:48:20.578	0.2					T__				---		1356229	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=1)																									
NIE	0.61	346.1	Pg	08:48:11.327	0.8					T__		70.1		___	ML	1.7	1356223	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.61	346.1	Lg	08:48:17.501	-1.8					T__				---		1356227	FDSN	PL	--	BUD	iLoc	BHE	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=0)																									
HU02A	0.70	180.0	Pg	08:48:13.371	-0.1					T__		120.4		___	ML	2.0	1356220	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.70	180.0	Lg	08:48:23.889	-0.6					T__				---		1356231	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
ABAH	0.71	137.8	Pg	08:48:13.158	0.1					T__		138.1		___	ML	2.0	1356221	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.71	137.8	Lg	08:48:23.931	-0.9					T__				---		1356230	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
PSZ	1.00	205.1	Pn	08:48:18.736	-0.6					T__		125.5		___	ML	2.2	1356222	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.00	205.1	Lg	08:48:33.257	-1.5					T__				---		1356232	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/27	23:03:25.19	0.93	0.99	45.5826	21.4105	8.6	4.2	149	4.0	11.5	25	16	81	0.15	2.23	ke	BUD	19004896	BUD			119

Magnitude	Err	Nsta	Author	OrigID
ML	2.4	0.2	9 BUD	19004896

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
BZS	0.15	76.7	Pg	23:03:28.472	0.1					T__		1010.5		___	ML	1.7	1356549	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.15	76.7	Lg	23:03:31.027	0.3					T__				---		1356550	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=0)																									
BANR	0.28	224.1	Lg	23:03:35.003	-0.0					T__				---		1356551	FDSN	RO	--	BUD	iLoc	HHN	???	_	
GZR	0.98	100.7	Pg	23:03:43.690	-0.2					T__		372.8		___	ML	2.6	1356555	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	0.98	100.7	Lg	23:03:56.721	-0.9					T__				---		1356554	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.6 magdef=1)																									
(Station ML: 2.6 magdef=1)																									
DEV	1.09	73.4	Pg	23:03:46.075	0.2					T__		193.3		___	ML	2.4	1356553	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	1.09	73.4	Lg	23:04:00.383	-0.3					T__				---		1356552	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=1)																									
FRGS	1.21	249.9	Pg	23:03:48.374	0.3					T__		85.3		___	ML	2.1	1356558	FDSN	SJ	--	BUD	iLoc	BHZ	BHZ	_

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FRGS  1.21 249.9 Sn    23:04:04.215 -1.1      T__          ---          1356557    FDSN SJ    -- BUD  iLoc  BHN ??? _
(Reading ML:  2.1 magdef=1
(Station ML:  2.1 magdef=1
DJES  1.21 139.0 Pn    23:03:48.218  0.2      T__    1109.5    --- ML    3.2 1356564    FDSN SJ    -- BUD  iLoc  BHZ BHZ _
DJES  1.21 139.0 Sn    23:04:05.336  0.0      T__          ---          1356563    FDSN SJ    -- BUD  iLoc  BHN ??? _
(Reading ML:  3.2 magdef=1
(Station ML:  3.2 magdef=0
HU14A 1.27 313.5 Pn    23:03:48.814  0.4      T__    204.7    --- ML    2.5 1356566    FDSN Z6    00 BUD  iLoc  HHZ HHZ _
HU14A 1.27 313.5 Sn    23:04:05.677 -0.7      T__          ---          1356565    FDSN Z6    00 BUD  iLoc  HHN ??? _
(Reading ML:  2.5 magdef=1
(Station ML:  2.5 magdef=1
HU06A 1.27 332.9 Sn    23:04:06.507  0.1      T__          ---          1356567    FDSN Z6    00 BUD  iLoc  HHE ??? _
STMP1 1.29 342.2 Lg    23:04:07.260 -0.8      T__          ---          1356568    FDSN HU    -- BUD  iLoc  HHN ??? _
HU24A 1.34 352.6 Lg    23:04:08.858 -0.7      T__          ---          1356569    FDSN Z6    00 BUD  iLoc  HHN ??? _
HU21A 1.39 303.2 Sn    23:04:09.325 -0.0      T__          ---          1356556    FDSN Z6    00 BUD  iLoc  HHN ??? _
LOT   1.66 93.8 Pg     23:03:56.550 -0.3      T__    89.1     --- ML    2.4 1356561    FDSN RO    -- BUD  iLoc  HHZ HHZ _
LOT   1.66 93.8 Sn    23:04:17.586  0.5      T__          ---          1356560    FDSN RO    -- BUD  iLoc  HHN ??? _
(Reading ML:  2.4 magdef=1
(Station ML:  2.4 magdef=1
LTVH  1.83 10.5 Sn     23:04:21.833  1.7      T__          ---          1356570    FDSN HU    -- BUD  iLoc  HHN ??? _
CJR   1.90 52.6 Pn     23:03:59.020  1.3      T__    107.5    --- ML    2.6 1356559    FDSN RO    -- BUD  iLoc  HHZ HHZ _
CJR   1.90 52.6 Sn     23:04:23.931  1.6      T__          ---          1356571    FDSN RO    -- BUD  iLoc  HHN ??? _
(Reading ML:  2.6 magdef=1
(Station ML:  2.6 magdef=1
MORH  2.03 289.1 Pn    23:03:58.935 -0.0      T__    39.2     --- ML    2.2 1356562    FDSN HU    -- BUD  iLoc  HHZ HHZ _
MORH  2.03 289.1 Sn    23:04:27.423  2.5      T__          ---          1356572    FDSN HU    -- BUD  iLoc  HHN ??? _
(Reading ML:  2.2 magdef=1
(Station ML:  2.2 magdef=1
BBLS  2.23 220.5 Lg    23:04:39.082 -1.7      T__          ---          1356573    FDSN SJ    -- BUD  iLoc  BHN ??? _

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Date      Time      Err  RMS Latitude Longitude Smaj Smin Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author  OrigID  Rep  DPdep  Err Sgp
2023/09/28 03:37:09.89  1.15  1.43  48.5941  18.8883  13.1  6.7  5 15.0f  18  12 113  0.84  1.67  ke BUD  19004898  BUD  143

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Magnitude  Err Nsta Author  OrigID
ML  1.9 0.2  6 BUD  19004898

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Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR  Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh  ACh  L
HU03A 0.84 145.2 Pn    03:37:26.445  0.3      T__          190.6    --- ML    2.2 1356947    FDSN Z6    00 BUD  iLoc  HHZ HHZ _
HU03A 0.84 145.2 Sn    03:37:38.485 -0.7      T__          ---          1356946    FDSN Z6    00 BUD  iLoc  HHN ??? _
(Reading ML:  2.2 magdef=1
(Station ML:  2.2 magdef=0
JAVC  0.85 288.7 Lg    03:37:39.372 -0.4      T__          ---          1356948    FDSN CZ    -- BUD  iLoc  HHN ??? _
PSZ   0.95 134.8 Pn    03:37:28.612  0.6      T__    55.7    --- ML    1.8 1356943    FDSN GE    -- BUD  iLoc  HHZ HHZ _
PSZ   0.95 134.8 Sn    03:37:41.284 -1.3      T__          ---          1356942    FDSN GE    -- BUD  iLoc  HHN ??? _
(Reading ML:  1.8 magdef=1
(Station ML:  1.8 magdef=1
KECS  1.07 95.4 Sn     03:37:44.412 -0.6      T__          ---          1356949    FDSN SK    -- BUD  iLoc  EHN ??? _
MODS  1.09 259.0 Sn    03:37:48.283  2.2      T__          ---          1356950    FDSN SK    -- BUD  iLoc  HHN ??? _
CP16A 1.13 102.3 Sn    03:37:47.177  1.1      T__          ---          1356941    FDSN Z6    00 BUD  iLoc  HHN ??? _
CP17A 1.14 108.5 Pn    03:37:31.265  1.0      T__    70.6    --- ML    2.0 1356951    FDSN Z6    00 BUD  iLoc  HHZ HHZ _
CP17A 1.14 108.5 Sn    03:37:47.406  1.0      T__          ---          1356952    FDSN Z6    00 BUD  iLoc  HHN ??? _
(Reading ML:  2.0 magdef=1

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(Station ML: 2.0 magdef=1
HU02A 1.19 112.8 Pn 03:37:31.270 0.1 T__ 41.4 ___ ML 1.8 1356939 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 1.19 112.8 Sn 03:37:47.156 -1.0 T__ ___ 1356940 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
NIE 1.24 47.9 Pn 03:37:33.894 1.7 T__ 29.5 ___ ML 1.7 1356954 FDSN PL -- BUD iLoc BHZ BHZ _
NIE 1.24 47.9 Lg 03:37:49.524 -0.3 T__ ___ 1356953 FDSN PL -- BUD iLoc BHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=0
MORC 1.48 323.8 Sn 03:37:56.171 0.2 T__ ___ 1356955 FDSN CZ -- BUD iLoc HHN ??? _
ABAH 1.59 99.9 Pg 03:37:40.092 -1.0 T__ 62.6 ___ ML 2.2 1356945 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 1.59 99.9 Sn 03:38:00.835 3.1 T__ ___ 1356944 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
VRAC 1.67 296.2 Sn 03:38:02.890 2.2 T__ ___ 1356956 FDSN CZ -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/09/28 07:21:26.09 1.14 1.21 48.9045 19.3085 8.8 5.5 13 0.0f 8 6 110 0.83 1.45 sx BUD 19004900 BUD 170

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Magnitude Err Nsta Author OrigID
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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
NIE 0.83 51.3 Pg 07:21:42.674 0.9 T__ 43.1 ___ ML 1.6 1356986 FDSN PL -- BUD iLoc BHZ BHZ _
NIE 0.83 51.3 Lg 07:21:52.143 -1.4 T__ ___ 1356985 FDSN PL -- BUD iLoc BHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
KECS 0.89 118.0 Lg 07:21:56.202 -0.6 T__ ___ 1356987 FDSN SK -- BUD iLoc EHN ??? _
PSZ 1.06 158.2 Sn 07:22:05.039 0.6 T__ ___ 1356989 FDSN GE -- BUD iLoc HHN ??? _
JAVC 1.08 268.2 Pn 07:21:47.547 -0.6 T__ 82.1 ___ ML 2.0 1356988 FDSN CZ -- BUD iLoc HHZ HHZ _
JAVC 1.08 268.2 Lg 07:22:04.292 -0.0 T__ ___ 1356992 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
HU02A 1.13 133.6 Lg 07:22:03.944 -1.0 T__ ___ 1356990 FDSN Z6 00 BUD iLoc HHN ??? _
MORC 1.45 307.8 Lg 07:22:11.394 -1.6 T__ ___ 1356991 FDSN CZ -- BUD iLoc HHN ??? _

```

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/09/28 07:58:51.62 1.83 1.14 48.5886 20.7936 12.2 4.5 2 0.0f 10 6 251 0.23 0.90 sx BUD 19004902 BUD 318

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Magnitude Err Nsta Author OrigID
ML 1.7 0.3 4 BUD 19004902
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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
KECS 0.23 242.9 Pg 07:58:56.522 0.1 T__ 1715.2 ___ ML 2.2 1357069 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.23 242.9 Lg 07:59:00.271 0.1 T__ ___ 1357073 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
CP16A 0.30 214.5 Pg 07:58:58.781 1.0 T__ 203.0 ___ ML 1.4 1357074 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP16A 0.30 214.5 Lg 07:59:02.620 0.2 T__ ___ 1357075 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1

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CP17A  0.41 207.1 Lg      07:59:06.094 -0.4      T__
ABAH   0.42 134.4 Pg      07:59:00.782  0.6      T__      99.5      --- ML      1.5 1357076  FDSN HU      -- BUD  iLoc  HHZ HHZ  _
ABAH   0.42 134.4 Lg      07:59:05.866 -1.5      T__      ---      ---      1357077  FDSN HU      -- BUD  iLoc  HHN ???  _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
HU02A  0.50 201.1 Lg      07:59:08.819 -1.4      T__
PSZ    0.90 222.2 Pn      07:59:10.328 -0.3      T__      71.4      --- ML      1.9 1357078  FDSN GE      -- BUD  iLoc  HHZ HHZ  _
PSZ    0.90 222.2 Lg      07:59:22.334 -1.7      T__      ---      ---      1357072  FDSN GE      -- BUD  iLoc  HHN ???  _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1

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Date      Time      Err    RMS Latitude Longitude Smaj Smin Az Depth  Err Ndef Nsta Gap mdist Mdist Qual  Author      OrigID      Rep  DPdep  Err Sgp
2023/09/28 08:44:09.67  1.06  0.31 46.1346 18.3089 11.3  3.7 159  0.0f      5   3 181  0.15  0.39  sx  BUD      19004904      BUD      284

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Magnitude Err Nsta Author OrigID

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Sta  Dist EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
KOVH 0.15 252.4 Pg      08:44:13.511  0.1      T__      507.3      --- ML      1.4 1357100  FDSN HU      -- BUD  iLoc  HHZ HHZ  _
KOVH 0.15 252.4 Lg      08:44:16.141 -0.2      T__      ---      ---      1357101  FDSN HU      -- BUD  iLoc  HHN ???  _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
MORH 0.25 70.8 Pg      08:44:15.301  0.1      T__      171.2      --- ML      1.2 1357103  FDSN HU      -- BUD  iLoc  HHZ HHZ  _
MORH 0.25 70.8 Lg      08:44:19.281 -0.3      T__      ---      ---      1357102  FDSN HU      -- BUD  iLoc  HHN ???  _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
A266A 0.39 355.5 Lg      08:44:24.394 -0.1      T__      ---      ---      1357104  FDSN Z6      00 BUD  iLoc  HHN ???  _

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Date      Time      Err    RMS Latitude Longitude Smaj Smin Az Depth  Err Ndef Nsta Gap mdist Mdist Qual  Author      OrigID      Rep  DPdep  Err Sgp
2023/09/28 09:52:13.97  1.05  0.47 48.2508 21.2438  5.9  4.1 150  0.0f      13   7 152  0.05  0.96  sx  BUD      19004906      BUD      253
2023/09/28 09:52:13.93  0.91  0.42 48.2470 21.2460f      0.0f      13   7 153  0.05  0.96  kx  BUD_GT  19004907      BUD_GT      255
(locality: Tálya Hungary)
(GT info : GT2 explosion)

```

Magnitude Err Nsta Author OrigID  
ML 2.0 0.0 6 BUD\_GT 19004907

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Sta  Dist EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
ABAH 0.05 355.1 Pg      09:52:15.374 -0.1      T__      17754.0      --- ML      2.7 1357134  FDSN HU      -- BUD  iLoc  HHZ HHZ  _
ABAH 0.05 355.1 Lg      09:52:16.506 -0.6      T__      ---      ---      1357135  FDSN HU      -- BUD  iLoc  HHN ???  _
(Reading ML: 2.7 magdef=1
(Station ML: 2.7 magdef=0
CP16A 0.48 281.7 Lg      09:52:31.771  0.7      T__
CP17A 0.49 267.0 Pg      09:52:23.828 -0.2      T__      221.8      --- ML      2.0 1357138  FDSN Z6      00 BUD  iLoc  HHZ HHZ  _
CP17A 0.49 267.0 Lg      09:52:32.099  0.5      T__      ---      ---      1357137  FDSN Z6      00 BUD  iLoc  HHN ???  _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
HU02A 0.50 255.8 Pg      09:52:24.157 -0.3      T__      129.2      --- ML      1.8 1357139  FDSN Z6      00 BUD  iLoc  HHZ HHZ  _
HU02A 0.50 255.8 Lg      09:52:32.373 -0.2      T__      ---      ---      1357140  FDSN Z6      00 BUD  iLoc  HHN ???  _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=0

```

KECS	0.56	295.3	Pg	09:52:25.599	0.4	T__	168.0	___	ML	2.0	1357142	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.56	295.3	Lg	09:52:33.834	0.1	T__		---			1357141	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Reading ML: 2.0 magdef=1)																			
(Station ML: 2.0 magdef=1)																			
TRPA	0.87	97.2	Pg	09:52:31.351	0.4	T__	112.5	___	ML	2.0	1357143	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.87	97.2	Lg	09:52:44.899	-0.5	T__		---			1357144	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.0 magdef=1)																			
(Station ML: 2.0 magdef=1)																			
PSZ	0.96	250.6	Pn	09:52:33.834	0.1	T__	115.4	___	ML	2.1	1357146	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.96	250.6	Lg	09:52:48.186	-0.5	T__		---			1357145	FDSN	GE	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.1 magdef=1)																			
(Station ML: 2.1 magdef=1)																			

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/28	10:05:19.46	1.20	1.43	48.7269	21.2707	11.1	4.4	145	0.0f		9	5	187	0.43	0.78	sx	BUD	19004908	BUD			297

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.2	3 BUD	19004908

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.43	182.7	Pg	10:05:28.046	-0.2					T__		101.1		___	ML	1.5	1357182	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.43	182.7	Lg	10:05:36.643	0.9					T__				---		1357185	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
KECS	0.58	245.2	Lg	10:05:39.074	-0.6					T__				---		1357181	FDSN	SK	--	BUD	iLoc	EHN	???	_	
KOLS	0.69	72.3	Pg	10:05:33.393	0.6					T__				---		1357183	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.69	72.3	Lg	10:05:41.391	-2.7					T__				---		1357184	FDSN	SK	--	BUD	iLoc	HHN	???	_	
CP17A	0.72	225.1	Pg	10:05:34.473	0.5					T__		86.1		___	ML	1.8	1357179	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.72	225.1	Lg	10:05:45.867	1.2					T__				---		1357180	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
HU02A	0.78	219.7	Pg	10:05:34.400	-1.2					T__		59.9		___	ML	1.7	1357178	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.78	219.7	Lg	10:05:48.350	0.6					T__				---		1357177	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/28	11:09:40.36	3.16	0.96	47.7693	20.1975	23.3	5.6	168	0.0f		7	5	253	0.25	0.88	sx	BUD	19004910	BUD			329

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.25	306.3	Pg	11:09:46.561	0.3					T__		532.3		___	ML	1.7	1357207	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.25	306.3	Lg	11:09:50.249	-0.7					T__				---		1357208	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
HU02A	0.42	31.8	Pg	11:09:49.683	0.3					T__		123.4		___	ML	1.5	1357209	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.42	31.8	Lg	11:09:55.563	-0.8					T__				---		1357213	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									

CP17A	0.50	25.0	Lg	11:09:58.777	0.4	T__	---	1357212	FDSN	Z6	00	BUD	iLoc	HHN	???	_
CP16A	0.62	21.7	Lg	11:10:02.446	0.1	T__	---	1357210	FDSN	Z6	00	BUD	iLoc	HHN	???	_
ABAH	0.88	52.6	Lg	11:10:10.480	-1.5	T__	---	1357211	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/28	11:34:10.07	0.90	0.64	48.4389	17.0985	4.1	3.9	135	0.0f	11	6	97	0.14	0.97	sx	BUD	19004912	BUD				174

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.2	4 BUD	19004912

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
MODS	0.14	118.7	Pg	11:34:13.657	0.2					T__						1357258	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.14	118.7	Lg	11:34:15.639	-0.7					T__						1357267	FDSN	SK	--	BUD	iLoc	HHN	???	_
JAVC	0.57	41.8	Pg	11:34:22.751	0.9					T__		117.1				1357259	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.57	41.8	Lg	11:34:29.817	-1.1					T__						1357266	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1)																								
(Station ML: 1.9 magdef=1)																								
KRUC	0.78	323.5	Pg	11:34:25.051	0.0					T__		46.9				1357260	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1)																								
(Station ML: 1.6 magdef=1)																								
RONA	0.91	216.3	Pg	11:34:28.374	0.1					T__						1357263	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.91	216.3	Lg	11:34:40.709	0.5					T__						1357268	FDSN	OE	--	BUD	iLoc	HHN	???	_
VRAC	0.93	339.2	Pg	11:34:27.863	0.1					T__		16.3				1357261	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
VRAC	0.93	339.2	Lg	11:34:41.229	-0.2					T__						1357262	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.2 magdef=1)																								
(Station ML: 1.2 magdef=1)																								
CONA	0.97	238.8	Pg	11:34:29.470	0.2					T__		56.6				1357264	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.97	238.8	Lg	11:34:41.302	-0.6					T__						1357265	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1)																								
(Station ML: 1.8 magdef=1)																								

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/29	05:34:26.85	1.96	1.37	48.0251	21.3625	12.5	7.1	163	0.0f	9	7	182	0.28	0.99	sx	BUD	19004914	BUD				281

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
ABAH	0.28	343.2	Pg	05:34:33.896	1.0					T__		397.0				1360711	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.28	343.2	Lg	05:34:36.281	-1.9					T__						1360712	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1)																								
(Station ML: 1.7 magdef=1)																								
HU02A	0.57	280.1	Lg	05:34:46.932	-1.1					T__						1360716	FDSN	Z6	00	BUD	iLoc	HHN	???	_
CP17A	0.60	289.1	Lg	05:34:49.171	0.8					T__						1360717	FDSN	Z6	00	BUD	iLoc	HHN	???	_
CP16A	0.64	300.3	Pg	05:34:39.702	0.0					T__		59.0				1360719	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.64	300.3	Lg	05:34:48.900	-0.5					T__						1360718	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1)																								
(Station ML: 1.6 magdef=1)																								
KECS	0.74	308.4	Lg	05:34:52.122	-0.9					T__						1360713	FDSN	SK	--	BUD	iLoc	EHN	???	_
TRPA	0.80	82.0	Lg	05:34:54.080	-1.9					T__						1360714	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	0.99	264.4	Lg	05:35:02.256	-0.4					T__						1360715	FDSN	GE	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/29	07:16:44.85	2.32	1.11	45.8431	17.9071	19.9	5.7	173	10.0f		7	4	265	0.10	0.73	ke	BUD	19004916	BUD			326

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.5	3 BUD	19004916

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
A273A	0.10	319.0	Pg	07:16:47.654	-0.0					T__		5446.8		___	ML	2.3	1360743	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A273A	0.10	319.0	Lg	07:16:49.687	-0.0					T__				---		1360742	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=1)																									
KOVH	0.28	28.7	Pg	07:16:50.809	-0.1					T__		114.1		_d	ML	1.1	1360745	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.28	28.7	Lg	07:16:54.391	-0.8					T__				---		1360744	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
MORH	0.63	53.8	Pg	07:16:57.717	0.3					T__		39.8		---	ML	1.5	1360740	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.63	53.8	Lg	07:17:06.106	-0.6					T__				---		1360741	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
A266A	0.73	19.9	Lg	07:17:11.090	1.9					T__				---		1360746	FDSN	Z6	00	BUD	iLoc	HNN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/09/29	07:42:43.38	1.47	0.35	47.0832	18.0933	9.6	5.1	107	0.0f		6	5	157	0.23	1.00	sx	BUD	19004918	BUD				198

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
TIH	0.23	216.9	Lg	07:42:52.377	-0.2					T__				---		1360770	FDSN	HU	--	BUD	iLoc	HNN	???	_	
CSKK	0.30	22.1	Lg	07:42:55.784	0.1					T__				---		1360769	FDSN	HU	--	BUD	iLoc	HNN	???	_	
HU08A	0.37	341.7	Lg	07:42:57.487	-0.2					T__				---		1360766	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
MPLH	0.39	283.2	Pg	07:42:51.611	-0.1					T__		65.5		---	ML	1.2	1360768	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.39	283.2	Lg	07:42:58.424	0.4					T__				---		1360767	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=0)																									
KOVH	1.00	179.7	Lg	07:43:18.523	0.3					T__				---		1360771	FDSN	HU	--	BUD	iLoc	HNN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/09/29	07:44:08.43	1.07	0.66	48.1132	21.3452	6.6	5.1	35	0.0f		9	7	124	0.20	0.99	sx	BUD	19004920	BUD				233

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.20	338.9	Pg	07:44:12.987	0.2					T__		454.4		---	ML	1.5	1360791	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.20	338.9	Lg	07:44:16.053	-0.7					T__				---		1360792	FDSN	HU	--	BUD	iLoc	HHE	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
HU11A	0.22	212.3	Lg	07:44:17.548	-0.3					T__				---		1360796	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
CP17A	0.57	281.1	Lg	07:44:29.116	0.3					T__				---		1360797	FDSN	Z6	00	BUD	iLoc	HNN	???	_	



CP16A	0.59	293.3	Lg	07:44:28.871	-0.3	T__									1360793	FDSN	Z6	00	BUD	iLoc	HHN	???	_
KECS	0.68	303.1	Lg	07:44:33.061	0.6	T__									1360798	FDSN	SK	--	BUD	iLoc	EHN	???	_
TRPA	0.80	88.3	Pg	07:44:24.357	0.3	T__				70.4					1360794	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.80	88.3	Lg	07:44:36.877	-0.8	T__									1360795	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1)																							
(Station ML: 1.8 magdef=1)																							
PSZ	0.99	259.2	Lg	07:44:43.310	-0.9	T__									1360799	FDSN	GE	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/29	07:59:03.80	0.97	0.57	47.9304	16.5089	5.7	4.0	105	0.0f		11	6	123	0.25	1.13	sx	BUD	19004922	BUD			176

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.4	4 BUD	19004922

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L			
SOP	0.25	172.3	Pg	07:59:09.666	0.6					T__		99.8			ML	1.0	1360829	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
SOP	0.25	172.3	Lg	07:59:13.073	0.3					T__						1360830	FDSN	HU	--	BUD	iLoc	HHN	???	_			
(Reading ML: 1.0 magdef=1)																											
(Station ML: 1.0 magdef=1)																											
RONA	0.27	211.9	Pg	07:59:09.198	-0.3					T__						1360828	FDSN	OE	--	BUD	iLoc	HHZ	???	_			
RONA	0.27	211.9	Lg	07:59:12.987	-0.4					T__						1360827	FDSN	OE	--	BUD	iLoc	HHN	???	_			
CONA	0.44	270.0	Pg	07:59:13.200	0.6					T__						57.5	ML	1.3	1360825	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.44	270.0	Lg	07:59:17.842	-0.6					T__							1360826	FDSN	OE	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.3 magdef=1)																											
(Station ML: 1.3 magdef=1)																											
MODS	0.68	49.0	Pg	07:59:17.885	0.1					T__						1360833	FDSN	SK	--	BUD	iLoc	HHZ	???	_			
ARSA	0.95	224.8	Pg	07:59:22.271	0.0					T__						49.0	ML	1.7	1360832	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
ARSA	0.95	224.8	Lg	07:59:33.683	-0.5					T__							1360831	FDSN	OE	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.7 magdef=1)																											
(Station ML: 1.7 magdef=1)																											
KRUC	1.13	356.2	Pg	07:59:26.146	0.6					T__						46.2	ML	1.8	1360834	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.13	356.2	Lg	07:59:41.603	-0.7					T__							1360835	FDSN	CZ	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.8 magdef=1)																											
(Station ML: 1.8 magdef=1)																											

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/29	08:20:41.76	1.16	0.71	45.9692	22.8299	6.4	6.2	167	0.0f		8	5	147	0.10	0.92	sx	BUD	19004924	BUD			240

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.1	5 BUD	19004924

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L			
DEV	0.10	149.2	Pg	08:20:43.264	-0.4					T__		1799.6			ML	1.8	1360863	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_		
DEV	0.10	149.2	Lg	08:20:45.564	0.5					T__							1360864	FDSN	RO	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.8 magdef=1)																											
(Station ML: 1.8 magdef=1)																											
GZR	0.58	183.7	Pg	08:20:52.782	-0.1					T__						129.7	ML	1.9	1360866	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	0.58	183.7	Lg	08:21:02.214	1.1					T__							1360865	FDSN	RO	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.9 magdef=1)																											
(Station ML: 1.9 magdef=1)																											

LOT	0.84	128.0	Pg	08:20:57.657	-0.2	T__	105.5	___	ML	2.0	1360867	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.0 magdef=1)																			
(Station ML: 2.0 magdef=1)																			
CJR	0.91	35.3	Pg	08:20:59.936	0.1	T__	196.5	___	ML	2.3	1360870	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.3 magdef=1)																			
(Station ML: 2.3 magdef=0)																			
BZS	0.92	247.9	Pg	08:20:59.893	0.2	T__	43.7	___	ML	1.7	1360868	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.92	247.9	Lg	08:21:11.774	-0.9	T__		---			1360869	FDSN	RO	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1)																			
(Station ML: 1.7 magdef=0)																			

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/29	08:23:25.23	1.31	1.01	48.4487	17.4611	13.0	3.5	125	0.0f	7	4	208	0.14	1.08	sx	BUD	19004926	BUD				275

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MODS	0.14	238.5	Pg	08:23:28.594	-0.1					T__						1360895	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.14	238.5	Lg	08:23:30.702	-1.0					T__						1360899	FDSN	SK	--	BUD	iLoc	HHN	???	_
JAVC	0.43	18.6	Pg	08:23:34.769	0.3					T__	131.3			ML	1.6	1360896	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.43	18.6	Lg	08:23:40.283	-1.3					T__						1360900	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1)																								
(Station ML: 1.6 magdef=0)																								
KRUC	0.94	311.4	Lg	08:23:57.530	0.6					T__						1360897	FDSN	CZ	--	BUD	iLoc	HHN	???	_
RONA	1.08	226.6	Pg	08:23:47.267	0.6					T__						1360898	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	1.08	226.6	Lg	08:24:01.447	0.7					T__						1360901	FDSN	OE	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/29	08:33:36.77	1.30	1.16	48.5801	20.3081	8.0	5.7	90	0.0f	10	7	156	0.15	0.84	sx	BUD	19004928	BUD				271

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.0	3 BUD	19004928

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KECS	0.15	129.3	Pg	08:33:39.643	-0.4					T__		893.7			ML	1.7	1360928	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.15	129.3	Lg	08:33:41.554	-1.1					T__						1360929	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
CP16A	0.28	147.0	Lg	08:33:47.757	0.7					T__						1360926	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP17A	0.39	159.4	Lg	08:33:50.738	0.1					T__						1360925	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.48	162.4	Pg	08:33:47.022	0.1					T__	46.4			ML	1.3	1360923	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU02A	0.48	162.4	Lg	08:33:54.229	-0.5					T__						1360924	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
ABAH	0.68	114.3	Pg	08:33:52.499	2.1					T__	63.4			ML	1.7	1360927	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ABAH	0.68	114.3	Lg	08:34:00.220	-1.5					T__						1360930	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
PSZ	0.72	202.8	Lg	08:34:02.810	-0.2					T__						1360931	FDSN	GE	--	BUD	iLoc	HHN	???	_	
NIE	0.84	359.6	Lg	08:34:03.837	-0.7					T__						1360932	FDSN	PL	--	BUD	iLoc	BHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/29	09:29:27.27	2.20	1.08	45.8814	16.3240	18.8	5.0	144	0.0f		8	4	237	0.25	0.67	sx	BUD	19004930	BUD			270

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.6	4 BUD	19004930

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PTJ	0.25	276.0	Pg	09:29:33.896	1.1					T__		171.5		___	ML	1.2	1361149	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.25	276.0	Lg	09:29:36.770	-0.3					T__				---		1361152	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
KOGS	0.57	354.9	Pg	09:29:39.389	0.6					T__		471.0		___	ML	2.5	1361148	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.57	354.9	Lg	09:29:45.777	-0.9					T__				---		1361147	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.5 magdef=1)																									
(Station ML: 2.5 magdef=1)																									
CRES	0.61	265.1	Pg	09:29:38.436	-0.6					T__		64.5		___	ML	1.6	1361151	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.61	265.1	Lg	09:29:46.953	-1.0					T__				---		1361150	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
BEHE	0.67	27.9	Pg	09:29:41.646	0.5					T__		236.2		___	ML	2.2	1361146	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BEHE	0.67	27.9	Lg	09:29:49.205	-1.3					T__				---		1361153	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/09/30	08:12:02.40	1.11	0.48	46.1197	18.3134	12.1	3.8	161	0.0f		5	3	190	0.15	0.41	sx	BUD	19004938	BUD			287

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOVH	0.15	258.1	Pg	08:12:06.259	0.1					T__		155.1		___	ML	0.9	1362044	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.15	258.1	Lg	08:12:08.836	-0.3					T__				---		1362045	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
MORH	0.25	67.3	Pg	08:12:08.176	0.2					T__		55.4		___	ML	0.7	1362047	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.25	67.3	Lg	08:12:11.859	-0.5					T__				---		1362048	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.7 magdef=1)																									
(Station ML: 0.7 magdef=1)																									
A266A	0.41	355.3	Lg	08:12:17.608	-0.1					T__				---		1362046	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/01	20:24:21.82	3.77	0.73	46.5898	16.3051	32.0	5.3	154	11.0f		6	4	252	0.15	0.96	ke	BUD	19004948	BUD			337

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOGS	0.15	195.0	Pg	20:24:25.400	-0.1					T__		147.4		___	ML	0.9	1362767	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.15	195.0	Lg	20:24:27.402	-0.6					T__				---		1362768	FDSN	SL	--	BUD	iLoc	BHN	???	_	

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(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=1
BEHE 0.35 110.0 Pg 20:24:29.212 0.0 T__ 142.7 ___ ML 1.4 1362770 FDSN HU -- BUD iLoc HHZ HHZ _
BEHE 0.35 110.0 Lg 20:24:34.088 -0.1 T__ ___ 1362769 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
PTJ 0.72 199.0 Lg 20:24:47.650 1.0 T__ ___ 1362765 FDSN CR -- BUD iLoc BHE ??? _
CRES 0.96 217.9 Lg 20:24:54.208 0.4 T__ ___ 1362766 FDSN SL -- BUD iLoc BHN ??? _

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/02	08:06:36.82	1.64	1.26	48.6867	19.0834	10.3	5.8	16	0.0f	9	7	180	0.84	1.15	sx	BUD	19004950	BUD				251

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
HU10A	0.84	183.0	Lg	08:07:07.267	-0.1					T__						1363146	FDSN	Z6	00	BUD	iLoc	HHE	???	_		
PSZ	0.94	144.5	Pn	08:06:58.648	2.1					T__		72.3			ML	1.9	1363149	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_	
PSZ	0.94	144.5	Lg	08:07:09.677	-0.9					T__						1363148	FDSN	GE	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.9 magdef=1 (Station ML: 1.9 magdef=1																										
JAVC	0.95	281.0	Lg	08:07:10.261	-0.4					T__						1363153	FDSN	CZ	--	BUD	iLoc	HHN	???	_		
KECS	0.95	101.8	Lg	08:07:09.166	-0.7					T__						1363152	FDSN	SK	--	BUD	iLoc	EHN	???	_		
SR0	1.01	210.8	Sn	08:07:14.570	1.0					T__						1363147	FDSN	SK	--	BUD	iLoc	EHN	???	_		
HU02A	1.11	119.9	Pn	08:07:00.109	1.3					T__		45.7			ML	1.8	1363150	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU02A	1.11	119.9	Lg	08:07:16.396	0.8					T__						1363151	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 1.8 magdef=1 (Station ML: 1.8 magdef=1																										
HU09A	1.15	204.4	Sn	08:07:17.321	0.4					T__						1363154	FDSN	Z6	00	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/10/02	09:49:02.69	3.46	1.40	48.3917	19.6481	20.7	8.7	117	0.0f	6	4	279	0.50	0.65	sx	BUD	19004954	BUD					325

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
PSZ	0.50	160.7	Lg	09:49:22.075	0.5					T__						1364112	FDSN	GE	--	BUD	iLoc	HHN	???	_		
KECS	0.57	80.4	Pg	09:49:13.804	-0.3					T__		156.9			ML	2.0	1364111	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_	
KECS	0.57	80.4	Lg	09:49:22.568	-0.1					T__						1364110	FDSN	SK	--	BUD	iLoc	EHN	???	_		
(Reading ML: 2.0 magdef=1 (Station ML: 2.0 magdef=1																										
CP16A	0.60	94.4	Lg	09:49:25.435	1.7					T__						1364109	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
HU02A	0.65	114.4	Pg	09:49:16.086	-0.1					T__		34.6			ML	1.4	1364107	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU02A	0.65	114.4	Lg	09:49:24.704	-1.6					T__						1364108	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 1.4 magdef=1 (Station ML: 1.4 magdef=1																										

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/10/03	07:07:35.16	1.18	1.10	47.9916	16.6515	9.5	4.9	126	0.0f	7	5	172	0.38	1.08	sx	BUD	19004958	BUD					228

Magnitude	Err	Nsta	Author	OrigID																				
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
RONA	0.38	219.5	Pg	07:07:42.860	-0.0					T__						1367555	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.38	219.5	Lg	07:07:46.990	-1.1					T__						1367554	FDSN	OE	--	BUD	iLoc	HHN	???	_
CONA	0.53	263.5	Pg	07:07:45.585	-0.3					T__		28.6		ML	1.2	1367552	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.53	263.5	Lg	07:07:53.335	0.3					T__						1367553	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.2 magdef=1)																								
(Station ML: 1.2 magdef=0)																								
MODS	0.57	47.4	Lg	07:07:56.316	0.2					T__						1367556	FDSN	SK	--	BUD	iLoc	HHN	???	_
ARSA	1.06	226.2	Lg	07:08:10.890	1.8					T__						1367557	FDSN	OE	--	BUD	iLoc	HHN	???	_
KRUC	1.08	351.1	Lg	07:08:11.893	-0.1					T__						1367558	FDSN	CZ	--	BUD	iLoc	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/03	07:57:20.52	1.40	0.84	47.3422	18.3720	8.7	5.6	77	0.0f	7	6	110		0.08	1.27	sx	BUD	19004960	BUD			169

Magnitude	Err	Nsta	Author	OrigID																				
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CSKK	0.08	285.5	Pg	07:57:23.080	0.3					T__		1930.4		ML	1.8	1367575	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.08	285.5	Lg	07:57:24.442	-0.6					T__						1367576	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1)																								
(Station ML: 1.8 magdef=0)																								
HU09A	0.30	1.4	Lg	07:57:32.075	-0.4					T__						1367577	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU08A	0.32	286.5	Lg	07:57:32.780	-0.3					T__						1367581	FDSN	Z6	00	BUD	iLoc	HHN	???	_
MORH	1.14	170.5	Lg	07:57:59.329	-0.5					T__						1367578	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	1.18	60.2	Sn	07:58:01.458	-0.2					T__						1367579	FDSN	GE	--	BUD	iLoc	HHN	???	_
KOVH	1.27	188.6	Sn	07:58:04.342	1.4					T__						1367580	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/03	08:09:19.49	1.46	1.72	48.4878	17.5214	13.8	4.2	122	0.0f	7	5	211		0.20	1.24	sx	BUD	19004962	BUD			278

Magnitude	Err	Nsta	Author	OrigID																				
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MODS	0.20	235.0	Pg	08:09:23.750	-0.3					T__						1367598	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.20	235.0	Lg	08:09:25.816	-2.0					T__						1367599	FDSN	SK	--	BUD	iLoc	HHN	???	_
JAVC	0.38	14.9	Pg	08:09:27.434	-0.3					T__		228.6		ML	1.7	1367600	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.7 magdef=1)																								
(Station ML: 1.7 magdef=0)																								
KRUC	0.94	308.1	Lg	08:09:51.962	0.6					T__						1367601	FDSN	CZ	--	BUD	iLoc	HHN	???	_
RONA	1.14	226.6	Pn	08:09:43.488	1.3					T__						1367603	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	1.14	226.6	Lg	08:09:59.073	2.3					T__						1367602	FDSN	OE	--	BUD	iLoc	HHN	???	_
CONA	1.24	243.9	Lg	08:10:00.649	0.6					T__						1367604	FDSN	OE	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/03	08:42:11.85	1.27	0.41	48.2726	19.8922	9.5	3.4	137	0.0f	13	8	164		0.35	1.18	sx	BUD	19004964	BUD			213

Magnitude Err Nsta Author OrigID

ML 1.7 0.0 6 BUD 19004964

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.35	179.8	Pg	08:42:19.790	0.0					T__		225.9		---	ML	1.6	1367659	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.35	179.8	Lg	08:42:25.901	0.2					T__				---		1367660	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
CP17A	0.42	97.2	Lg	08:42:27.551	0.6					T__				---		1367663	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU03A	0.42	208.1	Pg	08:42:20.663	-0.1					T__		146.4		---	ML	1.6	1367661	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.42	208.1	Lg	08:42:27.498	0.2					T__				---		1367668	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
CP16A	0.44	80.6	Pg	08:42:21.206	0.4					T__		246.0		---	ML	1.9	1367665	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.44	80.6	Lg	08:42:27.551	0.0					T__				---		1367664	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
KECS	0.45	61.7	Pg	08:42:20.993	0.0					T__		252.7		---	ML	1.9	1367666	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.45	61.7	Lg	08:42:27.594	-0.3					T__				---		1367667	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=0)																									
HU02A	0.45	109.3	Pg	08:42:21.249	-0.2					T__		81.2		---	ML	1.5	1367662	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.45	109.3	Lg	08:42:28.381	-0.4					T__				---		1367669	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=0)																									
ABAH	0.90	88.0	Lg	08:42:42.997	-0.9					T__				---		1367670	FDSN	HU	--	BUD	iLoc	HHN	???	_	
NIE	1.18	13.1	Pn	08:42:34.704	-0.1					T__		32.5		---	ML	1.7	1367671	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/03	09:21:37.66	1.35	1.22	47.2370	18.2404	12.3	7.0	76	0.0f		5	4	158	0.13	1.15	sx	BUD	19004966	BUD			212

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.13	6.2	Pg	09:21:41.348	0.5					T__		184.6		---	ML	0.9	1370360	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.13	6.2	Lg	09:21:42.838	-1.0					T__				---		1370361	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=0)																									
HU08A	0.29	312.2	Lg	09:21:48.912	-0.4					T__				---		1370362	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MORH	1.06	164.7	Lg	09:22:13.585	-0.6					T__				---		1370363	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOVH	1.15	184.9	Sn	09:22:16.129	-1.1					T__				---		1370364	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/03	10:30:26.71	2.41	1.09	46.3338	21.5853	22.0	7.0	115	0.0f		6	3	240	0.72	1.26	sx	BUD	19004970	BUD			319

Magnitude Err Nsta Author OrigID  
ML 1.6 0.3 3 BUD 19004970

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
-----	------	------	-------	------	------	------	-------	------	------	-----	-----	-----	-----	------	-----------	-------	-----	--------	----	------	-----	-----	-----	---

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BZS 0.72 178.2 Pg 10:30:41.001 0.2 T__ 32.4 ___ ML 1.4 1370412 FDSN RO -- BUD iLoc HHZ HHZ _
BZS 0.72 178.2 Lg 10:30:50.071 -0.9 T__ ___ 1370413 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
DRGR 0.90 59.1 Pg 10:30:44.882 0.2 T__ 41.3 ___ ML 1.6 1370409 FDSN RO -- BUD iLoc HHZ HHZ _
DRGR 0.90 59.1 Lg 10:30:57.317 -1.2 T__ ___ 1370410 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
GZR 1.26 138.1 Pg 10:30:51.519 1.0 T__ 63.0 ___ ML 2.0 1370414 FDSN RO -- BUD iLoc HHZ HHZ _
GZR 1.26 138.1 Lg 10:31:07.452 -0.6 T__ ___ 1370411 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/03 10:57:38.04 1.77 0.72 47.9348 20.1579 27.3 3.3 157 0.0f 8 5 201 0.18 0.81 sx BUD 19004972 BUD 212

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Magnitude Err Nsta Author OrigID
ML 1.7 0.4 3 BUD 19004972

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
PSZ 0.18 264.8 Pg 10:57:42.540 0.1 T__ 792.3 ___ ML 1.7 1370438 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.18 264.8 Lg 10:57:45.415 -0.6 T__ ___ 1370439 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
HU02A 0.31 52.6 Pg 10:57:45.330 0.4 T__ 139.4 ___ ML 1.3 1370442 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.31 52.6 Lg 10:57:49.843 -0.5 T__ ___ 1370441 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
CP17A 0.37 39.6 Pg 10:57:46.100 0.3 T__ 409.0 ___ ML 1.9 1370445 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP17A 0.37 39.6 Lg 10:57:51.210 -0.4 T__ ___ 1370444 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
HU03A 0.38 265.5 Lg 10:57:52.526 0.3 T__ ___ 1370440 FDSN Z6 00 BUD iLoc HHN ??? _
ABAH 0.81 63.1 Lg 10:58:06.199 -1.2 T__ ___ 1370443 FDSN HU -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/03 11:06:54.73 1.05 0.58 47.8717 16.0545 14.6 4.0 36 0.0f 6 3 157 0.14 1.21 sx BUD 19004974 BUD 282

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CONA 0.14 293.6 Pg 11:06:57.764 -0.0 T__ 89.2 ___ ML 0.6 1370466 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.14 293.6 Lg 11:07:00.021 0.0 T__ ___ 1370467 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 0.6 magdef=1
(Station ML: 0.6 magdef=1
RONA 0.24 136.5 Pg 11:06:59.638 -0.1 T__ ___ 1370469 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.24 136.5 Lg 11:07:03.449 0.2 T__ ___ 1370468 FDSN OE -- BUD iLoc HHN ??? _
KRUC 1.21 10.7 Pg 11:07:18.012 0.0 T__ 41.9 ___ ML 1.8 1370470 FDSN CZ -- BUD iLoc HHZ HHZ _
KRUC 1.21 10.7 Sn 11:07:34.535 -1.0 T__ ___ 1370471 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1

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(Station ML: 1.8 magdef=1)

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/03	11:24:00.26	1.13	0.73	47.8956	16.0773	9.4	4.1	35	0.0f		7	4	132	0.15	1.19	sx	BUD	19004976	BUD			220

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.15	282.8	Pg	11:24:03.470	0.0					T__		182.9		___	ML	1.0	1370491	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.15	282.8	Lg	11:24:05.067	-0.7					T__				___		1370492	FDSN	OE	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
RONA	0.25	142.9	Pg	11:24:05.216	-0.2					T__				___		1370494	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.25	142.9	Lg	11:24:08.985	-0.0					T__				___		1370493	FDSN	OE	--	BUD	iLoc	HNN	???	_	
ARSA	0.75	210.4	Lg	11:24:24.953	0.8					T__				___		1370495	FDSN	OE	--	BUD	iLoc	HNN	???	_	
KRUC	1.19	10.2	Pg	11:24:23.676	0.7					T__		42.5		___	ML	1.8	1370497	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.19	10.2	Sn	11:24:41.092	0.7					T__				___		1370496	FDSN	CZ	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/10/03	21:13:25.96	1.10	1.08	45.5238	16.0320	10.5	5.8	53	13.0f		12	10	173	0.30	2.18	ke	BUD	19004978	BUD				235

Magnitude	Err	Nsta	Author	OrigID
ML	2.4	0.2	9 BUD	19004978

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ZAG	0.30	354.1	Pg	21:13:31.751	-0.6					T__		2699.3		___	ML	2.6	1372588	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 2.6 magdef=1)																									
(Station ML: 2.6 magdef=1)																									
PTJ	0.39	353.3	Pg	21:13:33.156	-0.9					T__		371.3		___	ML	1.9	1372591	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=0)																									
CRES	0.50	307.1	Pg	21:13:35.690	-0.1					T__		180.8		___	ML	2.0	1372589	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
KOGS	0.94	9.3	Pg	21:13:43.525	0.0					T__		171.1		___	ML	2.3	1372592	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=1)																									
BEHE	1.08	28.4	Pg	21:13:47.283	0.7					T__		307.1		___	ML	2.6	1372590	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.6 magdef=1)																									
(Station ML: 2.6 magdef=0)																									
A264A	1.09	53.7	Pn	21:13:46.240	0.0					T__		179.8		___	ML	2.4	1372593	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=1)																									
BLY	1.12	133.1	Pg	21:13:46.240	-0.5					T__		98.9		___	ML	2.1	1372596	FDSN	MN	--	BUD	iLoc	HHZ	HHZ	_
BLY	1.12	133.1	Lg	21:14:01.517	0.2					T__				___		1372597	FDSN	MN	--	BUD	iLoc	HNN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
A273A	1.31	71.9	Pn	21:13:50.243	1.0					T__		194.9		___	ML	2.5	1372594	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_



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(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=1
OBKA 1.43 314.2 Pn 21:13:54.011 2.2 T__ 120.2 ___ ML 2.4 1372595 FDSN OE -- BUD iLoc HHZ HHZ _
OBKA 1.43 314.2 Lg 21:14:13.142 1.0 T__ ___ 1372598 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=1
RONA 2.18 4.7 Pn 21:14:02.943 1.3 T__ ___ 1372599 FDSN OE -- BUD iLoc HHZ ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/04 08:16:41.07 3.64 0.70 48.4105 21.3024 22.7 8.2 51 0.0f 6 5 280 0.12 0.59 sx BUD 19004980 BUD 321

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
ABAH 0.12 200.1 Pg 08:16:44.004 -0.0 T__ 197.4 ___ ML 0.9 1376338 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.12 200.1 Lg 08:16:46.780 0.1 T__ ___ 1376339 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=0
CP16A 0.51 262.6 Lg 08:17:00.036 0.8 T__ ___ 1376342 FDSN Z6 00 BUD iLoc HHN ??? _
JOS 0.52 279.8 Lg 08:16:59.561 0.3 T__ ___ 1376341 FDSN Z6 -- BUD iLoc HHN ??? _
KECS 0.55 277.9 Lg 08:16:59.846 -0.6 T__ ___ 1376343 FDSN SK -- BUD iLoc EHN ??? _
HU02A 0.59 241.2 Lg 08:17:02.337 -0.6 T__ ___ 1376340 FDSN Z6 00 BUD iLoc HHN ??? _

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```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/04 08:26:31.60 1.71 1.24 48.3999 19.5258 10.5 5.0 111 0.0f 12 8 116 0.50 1.31 sx BUD 19004982 BUD 212

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Magnitude Err Nsta Author OrigID  
ML 1.5 0.1 4 BUD 19004982

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU03A 0.50 174.3 Lg 08:26:50.123 0.3 T__ ___ 1376374 FDSN Z6 00 BUD iLoc HHN ??? _
PSZ 0.54 152.7 Pg 08:26:43.254 -0.1 T__ 48.3 ___ ML 1.5 1376376 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.54 152.7 Lg 08:26:51.470 -0.4 T__ ___ 1376375 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
KECS 0.64 82.2 Pg 08:26:45.055 0.5 T__ 262.1 ___ ML 2.3 1376371 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.64 82.2 Lg 08:26:54.221 -0.0 T__ ___ 1376370 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=1
JOS 0.68 81.5 Pg 08:26:45.388 0.2 T__ 40.7 ___ ML 1.5 1376373 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.68 81.5 Lg 08:26:55.248 -0.3 T__ ___ 1376372 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
CP17A 0.68 105.0 Lg 08:26:55.912 0.2 T__ ___ 1376377 FDSN Z6 00 BUD iLoc HHN ??? _
HU02A 0.72 112.2 Pg 08:26:47.035 0.4 T__ 46.6 ___ ML 1.6 1376369 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.72 112.2 Lg 08:26:56.932 -1.0 T__ ___ 1376368 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
NIE 1.14 26.3 Lg 08:27:09.327 -0.4 T__ ___ 1376378 FDSN PL -- BUD iLoc BHN ??? _
JAVC 1.31 291.2 Sn 08:27:13.358 -3.4 T__ ___ 1376379 FDSN CZ -- BUD iLoc HHN ??? _

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/04	08:31:13.52	3.65	0.73	48.3771	19.5769	21.4	8.6	114	0.0f		7	5	284	0.51	0.68	sx	BUD	19004984	BUD			327

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.51	155.0	Lg	08:31:32.738	0.2					T__						1376409	FDSN	GE	--	BUD	iLoc	HHN	???	_	
KECS	0.61	79.7	Lg	08:31:34.930	-0.2					T__						1376403	FDSN	SK	--	BUD	iLoc	EHN	???	_	
CP16A	0.64	92.8	Lg	08:31:37.340	1.2					T__						1376406	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
JOS	0.65	79.1	Pg	08:31:26.603	0.1					T__		46.0			ML	1.5	1376405	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.65	79.1	Lg	08:31:36.098	-0.3					T__						1376404	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
HU02A	0.68	111.6	Pg	08:31:27.553	-0.2					T__		41.6			ML	1.5	1376408	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.68	111.6	Lg	08:31:37.778	-0.7					T__						1376407	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/04	08:45:34.70	2.04	1.55	48.5959	20.7267	13.5	4.4	179	0.0f		10	5	256	0.16	0.49	sx	BUD	19004986	BUD			320

Magnitude Err Nsta Author OrigID  
ML 1.4 0.0 5 BUD 19004986

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.16	231.2	Pg	08:45:38.052	-0.1					T__		409.3			ML	1.4	1376438	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.16	231.2	Lg	08:45:41.603	0.8					T__						1376437	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=0)																									
KECS	0.20	234.9	Pg	08:45:38.600	-0.2					T__		1643.7			ML	2.1	1376435	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.20	234.9	Lg	08:45:42.215	0.2					T__						1376436	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=0)																									
CP17A	0.40	200.9	Pg	08:45:45.392	2.4					T__		165.1			ML	1.6	1376440	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.40	200.9	Lg	08:45:49.263	0.0					T__						1376439	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
ABAH	0.45	131.1	Pg	08:45:44.552	0.6					T__		73.0			ML	1.4	1376444	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.45	131.1	Lg	08:45:50.176	-1.6					T__						1376443	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
HU02A	0.49	195.9	Pg	08:45:44.114	-1.0					T__		53.5			ML	1.4	1376441	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.49	195.9	Lg	08:45:50.505	-2.6					T__						1376442	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/04	09:05:01.92	0.94	2.05	48.6635	18.7090	12.3	4.2	11	0.0f		11	9	131	0.71	1.35	sx	BUD	19004988	BUD			170

Magnitude Err Nsta Author OrigID  
 ML 2.0 0.1 6 BUD 19004988

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JAVC	0.71	286.3	Pg	09:05:16.337	-0.3					T__		77.9		---	ML	1.8	1376481	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.71	286.3	Lg	09:05:26.741	-1.0					T__				---		1376484	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=0)																									
MODS	1.00	253.6	Lg	09:05:37.404	0.3					T__				---		1376485	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KECS	1.19	98.0	Pg	09:05:26.814	1.3					T__		227.0		---	ML	2.5	1376486	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Reading ML: 2.5 magdef=1)																									
(Station ML: 2.5 magdef=0)																									
JOS	1.23	97.2	Pg	09:05:27.279	1.2					T__		50.2		---	ML	1.9	1376478	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
CP16A	1.26	104.1	Lg	09:05:41.129	-3.6					T__				---		1376487	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP17A	1.28	109.7	Pn	09:05:28.374	2.4					T__		69.6		---	ML	2.1	1376479	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	1.28	109.7	Sn	09:05:43.977	-0.9					T__				---		1376488	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
HU02A	1.33	113.4	Pn	09:05:28.594	1.7					T__		43.0		---	ML	1.9	1376480	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
HU08A	1.34	203.4	Sn	09:05:49.350	2.6					T__				---		1376483	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MORC	1.35	326.0	Pg	09:05:27.658	0.6					T__		63.4		---	ML	2.1	1376482	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/10/04	09:51:56.88	0.97	0.85	46.9577	17.4481	5.4	4.4	110	0.0f		11	9	93	0.15	1.35	sx	BUD	19004990	BUD			130		
2023/10/04	09:51:55.83	0.98	2.24	46.8902	17.3220f				0.0f		11	9	90	0.13	1.28	kx	BUD_GT	19004991	BUD_GT			115		
(locality: Uzsa Hungary)																								
(GT info : GT2 explosion)																								

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BADH	0.13	129.3	Lg	09:52:03.816	2.0					T__				---		1376520	FDSN	HU	--	BUD	iLoc	HHE	???	_	
A261A	0.13	297.5	Lg	09:52:03.925	2.0					T__				---		1376521	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A263A	0.25	181.1	Lg	09:52:08.137	2.6					T__				---		1376524	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.32	27.9	Pg	09:52:02.282	-0.5					T__		402.4		---	ML	1.8	1376522	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.32	27.9	Lg	09:52:05.861	-2.4					T__				---		1376523	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=0)																									
A266A	0.74	119.0	Lg	09:52:21.500	-0.5					T__				---		1376526	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CSKK	0.80	53.2	Lg	09:52:21.605	-3.6					T__				---		1376525	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOGS	0.86	239.5	Sn	09:52:29.279	1.5					T__				---		1376527	FDSN	SL	--	BUD	iLoc	BHN	???	_	
KOVH	0.97	145.9	Pn	09:52:17.017	1.5					T__		44.9		---	ML	1.7	1376529	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.97	145.9	Lg	09:52:30.675	1.6					T__				---		1376528	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=0)																									

ARSA 1.28 287.0 Sn 09:52:40.864 3.0 T\_\_ --- 1376530 FDSN OE -- BUD iLoc HHN ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/04	09:53:16.69	0.94	0.80	46.9629	17.4402	5.0	3.8	97	0.0f	11	7	113		0.16	1.12	sx	BUD	19004992	BUD			224
2023/10/04	09:53:16.87	0.93	1.69	46.8902	17.3220f				0.0f	11	7	98		0.13	1.13	kx	BUD_GT	19004993	BUD_GT			188

(locality: Uzza Hungary)  
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.0	4 BUD_GT	19004993

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
BADH	0.13	129.3	Pg	09:53:21.031	0.8					T__		1137.8		---	ML	1.7	1376557	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BADH	0.13	129.3	Lg	09:53:22.930	0.0					T__				---		1376556	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=1)																									
A261A	0.13	297.5	Pg	09:53:21.797	1.6					T__		5908.3		---	ML	2.4	1376558	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A261A	0.13	297.5	Lg	09:53:23.989	1.0					T__				---		1376559	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.4 magdef=1 Station ML: 2.4 magdef=1)																									
A263A	0.25	181.1	Lg	09:53:27.823	1.2					T__				---		1376562	FDSN	Z6	00	BUD	iLoc	HHE	???	_	
MPLH	0.32	27.9	Pg	09:53:22.236	-1.6					T__		383.6		---	ML	1.8	1376561	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.32	27.9	Lg	09:53:24.828	-4.4					T__				---		1376560	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=1)																									
KOGS	0.86	239.5	Sn	09:53:49.004	0.2					T__				---		1376563	FDSN	SL	--	BUD	iLoc	BHN	???	_	
KOVH	0.97	145.9	Pn	09:53:36.441	-0.1					T__		47.2		---	ML	1.7	1376565	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.97	145.9	Lg	09:53:50.391	0.3					T__				---		1376564	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=1)																									
MORH	1.13	126.0	Sn	09:53:54.774	-0.8					T__				---		1376566	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/04	10:08:19.04	3.72	0.25	47.9723	20.5534	68.3	19.7	85	0.0f	8	5	353		0.15	0.52	sx	BUD	19004994	BUD			354
2023/10/04	10:08:18.15	0.97	0.43	47.9590	20.3545f				0.0f	8	5	334		0.20	0.55	kx	BUD_GT	19004995	BUD_GT			347

(locality: Eger-III Hungary)  
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.0	3 BUD_GT	19004995

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU02A	0.20	35.0	Pg	10:08:22.671	-0.1					T__		269.6		---	ML	1.3	1376630	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.20	35.0	Lg	10:08:25.848	-0.8					T__				---		1376627	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1 Station ML: 1.3 magdef=1)																									
CP17A	0.28	21.9	Pg	10:08:24.327	0.2					T__		209.8		---	ML	1.4	1376631	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.28	21.9	Lg	10:08:28.709	0.0					T__				---		1376632	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1 Station ML: 1.4 magdef=1)																									

CP16A	0.40	17.9	Lg	10:08:32.645	-0.1					T__					1376633	FDSN	Z6	00	BUD	iLoc	HNN	???	_
KECS	0.53	9.4	Lg	10:08:37.425	0.3					T__					1376634	FDSN	SK	--	BUD	iLoc	EHN	???	_
JOS	0.55	12.9	Pg	10:08:29.767	0.5					T__	38.6				1376629	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.55	12.9	Lg	10:08:37.281	-0.5					T__					1376628	FDSN	Z6	--	BUD	iLoc	HNN	???	_

(Reading ML: 1.4 magdef=1  
 (Station ML: 1.4 magdef=1)

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/04	10:51:17.60	2.14	0.31	48.9232	19.8082	15.8	6.3	92	0.0f		9	7	216	0.59	1.01	sx	BUD	19004996	BUD			314

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
NIE	0.59	32.9	Lg	10:51:37.011	-0.3					T__						1376682	FDSN	PL	--	BUD	iLoc	BHN	???	_
KECS	0.63	134.2	Lg	10:51:39.208	-0.3					T__						1376683	FDSN	SK	--	BUD	iLoc	EHN	???	_
JOS	0.65	131.2	Pg	10:51:30.721	0.3					T__	44.4					1376678	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.65	131.2	Lg	10:51:40.157	0.0					T__						1376684	FDSN	Z6	--	BUD	iLoc	HNN	???	_

(Reading ML: 1.5 magdef=1  
 (Station ML: 1.5 magdef=1)

CP16A	0.76	139.9	Lg	10:51:43.955	-0.0					T__						1376685	FDSN	Z6	00	BUD	iLoc	HNN	???	_
CP17A	0.85	146.2	Lg	10:51:46.731	-0.4					T__						1376686	FDSN	Z6	00	BUD	iLoc	HNN	???	_
HU02A	0.93	149.0	Pg	10:51:36.792	0.1					T__	45.4					1376680	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.93	149.0	Lg	10:51:50.012	-0.3					T__						1376679	FDSN	Z6	00	BUD	iLoc	HNN	???	_

(Reading ML: 1.7 magdef=1  
 (Station ML: 1.7 magdef=1)

PSZ	1.01	176.7	Lg	10:51:53.444	-0.2					T__						1376681	FDSN	GE	--	BUD	iLoc	HNN	???	_
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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/05	07:37:41.73	1.11	0.75	46.0581	22.7204	7.9	5.1	69	0.0f		8	5	129	0.22	0.95	sx	BUD	19004998	BUD			248

Magnitude Err Nsta Author OrigID

ML	1.7	0.1	5	BUD																				
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
DEV	0.22	143.8	Pg	07:37:45.862	0.0					T__		723.6				1384139	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.22	143.8	Lg	07:37:48.332	-0.6					T__						1384138	FDSN	RO	--	BUD	iLoc	HNN	???	_

(Reading ML: 1.8 magdef=1  
 (Station ML: 1.8 magdef=1)

GZR	0.67	176.6	Pg	07:37:55.188	0.7					T__	65.7					1384140	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
GZR	0.67	176.6	Lg	07:38:04.726	0.8					T__						1384141	FDSN	RO	--	BUD	iLoc	HNN	???	_

(Reading ML: 1.7 magdef=1  
 (Station ML: 1.7 magdef=1)

DRGR	0.73	359.5	Pg	07:37:56.763	0.2					T__	38.3					1384145	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
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(Reading ML: 1.5 magdef=1  
 (Station ML: 1.5 magdef=0)

BZS	0.89	240.6	Pg	07:37:58.466	-0.6					T__	31.4					1384144	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
-----	------	-------	----	--------------	------	--	--	--	--	-----	------	--	--	--	--	---------	------	----	----	-----	------	-----	-----	---

(Reading ML: 1.5 magdef=1  
 (Station ML: 1.5 magdef=1)

LOT	0.95	129.3	Pg	07:37:59.999	-0.0					T__	95.9					1384143	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
LOT	0.95	129.3	Lg	07:38:12.945	-1.0					T__						1384142	FDSN	RO	--	BUD	iLoc	HNN	???	_

(Reading ML: 2.0 magdef=1  
 (Station ML: 2.0 magdef=0

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/05	09:21:05.08	3.54	1.06	48.8671	21.5293	36.7	19.9	134	0.0f		9	6	277	0.75	1.00	sx	BUD	19005002	BUD			340

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.1	5 BUD	19005002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.75	240.8	Pg	09:21:19.503	-0.5					T__		135.3		---	ML	2.1	1384244	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.75	240.8	Lg	09:21:30.447	-0.8					T__				---		1384245	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1 (Station ML: 2.1 magdef=1																									
KECS	0.79	241.3	Pg	09:21:21.419	0.6					T__		325.9		---	ML	2.5	1384247	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.79	241.3	Lg	09:21:32.150	-0.4					T__				---		1384246	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.5 magdef=1 (Station ML: 2.5 magdef=1																									
CP16A	0.84	231.7	Pg	09:21:21.566	-0.3					T__		348.0		---	ML	2.5	1384251	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.84	231.7	Lg	09:21:35.278	0.9					T__				---		1384252	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.5 magdef=1 (Station ML: 2.5 magdef=0																									
CP17A	0.94	226.6	Lg	09:21:39.048	1.3					T__				---		1384248	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
NIE	0.98	304.8	Pn	09:21:26.444	1.1					T__		37.5		---	ML	1.6	1384250	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=0																									
HU02A	1.00	222.2	Pn	09:21:24.315	-1.1					T__		86.0		---	ML	2.0	1384249	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.0 magdef=1 (Station ML: 2.0 magdef=1																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/05	09:27:20.13	2.74	1.09	48.9573	20.1592	39.7	5.6	83	0.0f		8	7	181	0.47	1.05	sx	BUD	19005004	BUD			321

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
NIE	0.47	11.2	Lg	09:27:35.684	-0.2					T__				---		1384283	FDSN	PL	--	BUD	iLoc	BHN	???	_	
KECS	0.52	155.4	Lg	09:27:38.154	-0.3					T__				---		1384279	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	0.53	151.3	Lg	09:27:39.006	0.4					T__				---		1384278	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
CP16A	0.67	157.6	Lg	09:27:42.498	-0.9					T__				---		1384280	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP17A	0.77	162.3	Pn	09:27:39.273	2.2					T__		71.3		---	ML	1.8	1384285	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.77	162.3	Lg	09:27:47.503	0.2					T__				---		1384284	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1 (Station ML: 1.8 magdef=0																									
HU02A	0.87	163.6	Lg	09:27:50.844	-0.5					T__				---		1384281	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	1.05	189.7	Sn	09:27:58.424	0.1					T__				---		1384282	FDSN	GE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/05	11:10:39.44	2.92	0.87	48.5654	20.3234	17.2	6.8	149	0.0f		10	6	271	0.14	0.71	sx	BUD	19005006	BUD			312

Magnitude Err Nsta Author OrigID  
 ML 1.2 0.1 4 BUD 19005006

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KECS	0.14	127.3	Pg	11:10:42.423	0.0					T__		678.6		---	ML	1.5	1384309	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.14	127.3	Lg	11:10:44.574	-0.2					T__				---		1384312	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
JOS	0.16	115.8	Pg	11:10:42.817	-0.0					T__		273.3		---	ML	1.2	1384308	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.16	115.8	Lg	11:10:45.649	0.1					T__				---		1384313	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
CP16A	0.27	147.1	Pg	11:10:45.713	0.8					T__		157.3		---	ML	1.2	1384310	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.27	147.1	Lg	11:10:49.183	0.0					T__				---		1384314	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
CP17A	0.37	160.1	Pg	11:10:47.725	0.7					T__		67.7		---	ML	1.2	1384311	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.37	160.1	Lg	11:10:52.643	-0.1					T__				---		1384315	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
HU02A	0.46	163.1	Lg	11:10:55.010	-1.8					T__				---		1384316	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.71	204.0	Lg	11:11:04.368	-1.0					T__				---		1384317	FDSN	GE	--	BUD	iLoc	HHN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/10/05 14:32:18.13 1.31 0.84 45.8657 20.6245 19.9 4.4 34 5.5 14.9 16 11 109 0.69 2.24 ke BUD 19005008 BUD 168

Magnitude Err Nsta Author OrigID  
 ML 2.5 0.0 10 BUD 19005008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU14A	0.69	327.1	Pg	14:32:32.647	0.4					T__		703.5		---	ML	2.7	1384385	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU14A	0.69	327.1	Lg	14:32:42.968	0.0					T__				---		1384386	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.7 magdef=1)																									
(Station ML: 2.7 magdef=0)																									
BZS	0.74	109.4	Pg	14:32:32.448	-0.1					T__		175.6		---	ML	2.2	1384388	FDSN	R0	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.74	109.4	Lg	14:32:42.945	0.0					T__				---		1384387	FDSN	R0	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=0)																									
HU21A	0.78	307.2	Pn	14:32:34.441	0.4					T__		341.4		---	ML	2.5	1384389	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU21A	0.78	307.2	Lg	14:32:45.252	-0.7					T__				---		1384383	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.5 magdef=1)																									
(Station ML: 2.5 magdef=1)																									
FRGS	0.91	219.3	Pn	14:32:36.933	0.9					T__		308.1		---	ML	2.5	1384384	FDSN	SJ	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 2.5 magdef=1)																									
(Station ML: 2.5 magdef=1)																									
STMP1	0.95	8.9	Pn	14:32:37.256	0.7					T__		546.3		---	ML	2.8	1384390	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.8 magdef=1)																									
(Station ML: 2.8 magdef=0)																									
HU04B	1.25	319.5	Pn	14:32:41.009	0.3					T__		296.4		---	ML	2.7	1384391	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU04B	1.25	319.5	Sn	14:32:56.781	-1.5					T__				---		1384392	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.7 magdef=1)																									

```

(Station ML: 2.7 magdef=1
MORH 1.42 284.9 Pn 14:32:43.363 0.4 T__ 47.0 ___ ML 2.0 1384382 FDSN HU -- BUD iLoc HHZ HHZ _
MORH 1.42 284.9 Sn 14:33:00.960 -1.4 T__ ___ 1384381 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=0
GZR 1.58 106.6 Pn 14:32:45.825 -0.1 T__ 124.0 ___ ML 2.5 1384393 FDSN RO -- BUD iLoc HHZ HHZ _
(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=1
DRGR 1.72 56.6 Pn 14:32:46.330 -1.3 T__ 120.2 ___ ML 2.5 1384394 FDSN RO -- BUD iLoc HHZ HHZ _
(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=1
KOVH 1.77 278.1 Sn 14:33:11.258 0.3 T__ ___ 1384380 FDSN HU -- BUD iLoc HHN ??? _
LOT 2.24 99.6 Pn 14:32:54.975 -0.5 T__ ___ ML 2.5 1384379 FDSN RO -- BUD iLoc HHZ HHZ _
(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/06 07:38:20.47 1.21 0.54 46.4705 16.3494 24.9 3.9 169 10.0f 7 4 134 0.07 0.96 ke BUD 19005010 BUD 259

```

```

Magnitude Err Nsta Author OrigID
ML 1.4 0.4 3 BUD 19005010

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
KOGS 0.07 252.0 Pg 07:38:22.798 -0.1 T__ 233.3 ___ ML 0.9 1387064 FDSN SL -- BUD iLoc BHZ BHZ _
KOGS 0.07 252.0 Lg 07:38:24.770 0.1 T__ ___ 1387065 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=1
BEHE 0.29 89.9 Pg 07:38:26.650 -0.2 T__ 209.4 ___ ML 1.4 1387067 FDSN HU -- BUD iLoc HHZ HHZ _
BEHE 0.29 89.9 Lg 07:38:31.544 0.3 T__ ___ 1387066 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
CRES 0.89 224.2 Pn 07:38:38.867 0.2 T__ 48.0 ___ ML 1.7 1387069 FDSN SL -- BUD iLoc BHZ BHZ _
CRES 0.89 224.2 Lg 07:38:50.991 0.1 T__ ___ 1387068 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
ARSA 0.96 324.3 Sn 07:38:53.662 1.0 T__ ___ 1387070 FDSN OE -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/06 07:57:42.85 1.83 0.81 48.0309 20.6933 10.2 6.1 150 0.0f 11 7 204 0.15 0.55 sx BUD 19005012 BUD 270
2023/10/06 07:57:43.26 0.93 0.71 48.0471 20.6805f 0.0f 11 7 200 0.13 0.54 kx BUD_GT 19005013 BUD_GT 268

```

```

(locality: Miskolc-Mexikóvölgy Hungary)
(GT info : GT2 explosion)

```

```

Magnitude Err Nsta Author OrigID
ML 1.3 0.1 4 BUD_GT 19005013

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
HU02A 0.13 305.8 Pg 07:57:46.313 -0.2 T__ 679.1 ___ ML 1.5 1387141 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.13 305.8 Lg 07:57:48.340 -0.9 T__ ___ 1387142 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1

```



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(Station ML: 1.5 magdef=1
CP17A 0.21 326.7 Pg 07:57:48.033 0.3 T__ 280.6 --- ML 1.3 1387144 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP17A 0.21 326.7 Lg 07:57:50.918 -0.3 T__ --- 1387143 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
CP16A 0.31 342.4 Pg 07:57:50.653 1.0 T__ 72.9 --- ML 1.0 1387145 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP16A 0.31 342.4 Lg 07:57:54.999 0.4 T__ --- 1387146 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=1
ABAH 0.45 56.1 Lg 07:57:58.807 -1.5 T__ --- 1387150 FDSN HU -- BUD iLoc HHN ??? _
KECS 0.46 343.5 Lg 07:57:59.319 -0.3 T__ --- 1387147 FDSN SK -- BUD iLoc EHE ??? _
JOS 0.46 348.2 Pg 07:57:52.770 0.2 T__ 52.5 --- ML 1.3 1387149 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.46 348.2 Lg 07:57:59.298 -0.4 T__ --- 1387148 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
PSZ 0.54 256.6 Lg 07:58:04.111 0.4 T__ --- 1387151 FDSN GE -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/06 08:13:00.94 1.02 0.86 47.8531 20.1226 5.9 3.5 163 0.0f 12 10 111 0.17 0.87 sx BUD 19005014 BUD 210

```

```

Magnitude Err Nsta Author OrigID
ML 2.2 0.1 3 BUD 19005014

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
PSZ 0.17 293.1 Pg 08:13:05.167 0.1 T__ 2659.9 --- ML 2.2 1387181 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.17 293.1 Lg 08:13:08.034 -0.5 T__ --- 1387184 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
HU23A 0.23 158.1 Lg 08:13:10.184 -0.3 T__ --- 1387185 FDSN Z6 00 BUD iLoc HHN ??? _
HU03A 0.36 278.4 Lg 08:13:14.867 0.5 T__ --- 1387187 FDSN Z6 00 BUD iLoc HHN ??? _
HU02A 0.38 45.0 Pg 08:13:09.613 0.4 T__ 304.5 --- ML 1.8 1387182 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.38 45.0 Lg 08:13:14.634 -1.1 T__ --- 1387186 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
CP17A 0.45 35.3 Pg 08:13:11.183 0.9 T__ 501.4 --- ML 2.2 1387183 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
CP16A 0.56 29.6 Lg 08:13:20.789 -0.3 T__ --- 1387188 FDSN Z6 00 BUD iLoc HHN ??? _
KECS 0.68 20.9 Lg 08:13:25.076 0.2 T__ --- 1387189 FDSN SK -- BUD iLoc EHN ??? _
JOS 0.70 23.3 Lg 08:13:24.876 -0.8 T__ --- 1387190 FDSN Z6 -- BUD iLoc HHN ??? _
HU10A 0.74 269.8 Lg 08:13:27.854 -0.4 T__ --- 1387191 FDSN Z6 00 BUD iLoc HHE ??? _
ABAH 0.87 59.0 Lg 08:13:30.581 -1.7 T__ --- 1387192 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/06 08:30:00.05 1.20 1.61 48.4866 19.3091 7.7 5.4 22 0.0f 10 8 144 0.69 1.15 sx BUD 19005016 BUD 249

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Magnitude Err Nsta Author OrigID

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```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
PSZ 0.69 145.2 Pg 08:30:16.388 1.6 T__ 74.7 --- ML 1.8 1387223 FDSN GE -- BUD iLoc HHZ HHZ _

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```

PSZ 0.69 145.2 Lg 08:30:25.226 -0.1 T__ --- 1387222 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
KECS 0.78 89.8 Lg 08:30:26.092 -1.3 T__ --- 1387220 FDSN SK -- BUD iLoc EHN ??? _
JOS 0.82 88.9 Lg 08:30:27.115 -1.5 T__ --- 1387221 FDSN Z6 -- BUD iLoc HHN ??? _
CP16A 0.83 99.5 Lg 08:30:29.196 0.0 T__ --- 1387219 FDSN Z6 00 BUD iLoc HHN ??? _
CP17A 0.85 108.0 Lg 08:30:28.967 -0.8 T__ --- 1387224 FDSN Z6 00 BUD iLoc HHN ??? _
HU02A 0.89 113.7 Pg 08:30:17.629 -0.8 T__ 68.4 --- ML 1.8 1387217 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.89 113.7 Lg 08:30:30.283 -1.8 T__ --- 1387218 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
NIE 1.14 34.6 Lg 08:30:40.084 2.0 T__ --- 1387226 FDSN PL -- BUD iLoc BHN ??? _
JAVC 1.15 289.6 Lg 08:30:38.956 -1.7 T__ --- 1387225 FDSN CZ -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/06 08:43:04.22 0.97 0.44 47.9458 16.0502 5.9 4.2 10 0.0f 7 4 116 0.13 1.14 sx BUD 19005018 BUD 225

```

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
CONA 0.13 262.2 Pg 08:43:07.107 0.1 T__ 198.4 --- ML 1.0 1387246 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.13 262.2 Lg 08:43:08.787 -0.3 T__ --- 1387252 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=1
RONA 0.30 146.0 Pg 08:43:10.102 -0.3 T__ --- 1387248 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.30 146.0 Lg 08:43:15.178 0.6 T__ --- 1387247 FDSN OE -- BUD iLoc HHN ??? _
MODS 0.93 62.0 Lg 08:43:37.472 0.1 T__ --- 1387251 FDSN SK -- BUD iLoc HHN ??? _
KRUC 1.14 11.5 Pg 08:43:26.400 0.3 T__ 71.1 --- ML 2.0 1387250 FDSN CZ -- BUD iLoc HHZ HHZ _
KRUC 1.14 11.5 Lg 08:43:42.477 -0.5 T__ --- 1387249 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/06 08:51:15.50 3.05 1.03 48.4371 17.9646 22.7 5.7 114 0.0f 8 4 261 0.46 1.50 sx BUD 19005020 BUD 334

```

```

Magnitude Err Nsta Author OrigID

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```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
MODS 0.46 262.4 Pg 08:51:24.960 -0.3 T__ --- 1387273 FDSN SK -- BUD iLoc HHZ ??? _
MODS 0.46 262.4 Lg 08:51:33.657 0.9 T__ --- 1387279 FDSN SK -- BUD iLoc HHN ??? _
JAVC 0.47 335.3 Pg 08:51:25.818 0.5 T__ 78.9 --- ML 1.5 1387274 FDSN CZ -- BUD iLoc HHZ HHZ _
JAVC 0.47 335.3 Lg 08:51:31.904 -1.0 T__ --- 1387280 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
RONA 1.34 237.2 Pn 08:51:40.535 -0.4 T__ --- 1387276 FDSN OE -- BUD iLoc HHZ ??? _
RONA 1.34 237.2 Lg 08:51:59.452 0.2 T__ --- 1387275 FDSN OE -- BUD iLoc HHN ??? _
CONA 1.50 250.9 Pn 08:51:42.306 -1.0 T__ 101.0 --- ML 2.3 1387277 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 1.50 250.9 Sn 08:52:02.811 -1.4 T__ --- 1387278 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=1

```

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/06	10:01:50.94	2.11	1.17	48.4029	22.5915	18.7	9.4	54	0.0f		7	6	161	0.57	1.41	sx	BUD	19005022	BUD			280

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOLS	0.57	338.4	Lg	10:02:11.333	-0.2					T__						1387301	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ABAH	0.91	263.7	Lg	10:02:22.907	-0.5					T__						1387304	FDSN	HU	--	BUD	iLoc	HHN	???	_	
BMR	0.95	139.9	Lg	10:02:24.031	-0.2					T__						1387302	FDSN	RO	--	BUD	iLoc	HHN	???	_	
JOS	1.37	274.7	Sn	10:02:37.157	0.6					T__						1387299	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
KECS	1.40	274.1	Sn	10:02:36.832	-0.6					T__						1387305	FDSN	SK	--	BUD	iLoc	EHN	???	_	
HU02A	1.41	259.3	Pn	10:02:18.643	1.6					T__		47.7			ML	2.0	1387300	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.41	259.3	Sn	10:02:36.452	-1.4					T__						1387303	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

(Reading ML: 2.0 magdef=1  
 (Station ML: 2.0 magdef=0)

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/10/06	10:37:01.53	0.92	1.13	47.5490	18.4602	4.2	3.4	117	0.0f		10	8	82	0.10	1.04	sx	BUD	19005024	BUD				159	
2023/10/06	10:37:01.47	0.92	0.98	47.5600	18.4573f				0.0f		10	8	85	0.09	1.03	kx	BUD_GT	19005025	BUD_GT					162

(locality: Tatabánya Hungary)  
 (GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU09A	0.09	327.2	Pg	10:37:04.948	1.0					T__		1639.4			ML	1.8	1387326	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU09A	0.09	327.2	Lg	10:37:05.738	-0.5					T__						1387328	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1 (Station ML: 1.8 magdef=0)																									
CSKK	0.24	214.2	Pg	10:37:07.321	0.6					T__		335.0			ML	1.5	1387327	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.24	214.2	Lg	10:37:10.614	-0.8					T__						1387329	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1 (Station ML: 1.5 magdef=0)																									
HU08A	0.38	250.6	Lg	10:37:15.872	-0.3					T__						1387330	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
BUD	0.39	101.0	Lg	10:37:15.726	-1.0					T__						1387331	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU10A	0.47	52.8	Lg	10:37:18.136	-1.3					T__						1387332	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A271A	0.48	147.6	Lg	10:37:19.159	-0.5					T__						1387333	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.74	238.3	Lg	10:37:25.659	-1.8					T__						1387334	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	1.03	69.2	Sn	10:37:39.463	0.4					T__						1387335	FDSN	GE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/10/06	14:18:17.53	1.95	0.27	47.9365	20.3322	19.1	3.8	146	10.0f		10	6	231	0.23	0.58	ke	BUD	19005026	BUD				335

Magnitude Err Nsta Author OrigID  
 ML 1.2 0.3 5 BUD 19005026

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU02A	0.23	34.8	Pg	14:18:22.842	0.0					T__		115.4			ML	1.0	1387397	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_



```

(Station ML: 2.1 magdef=1
HU08A 1.25 108.8 Lg 13:00:06.131 0.2 T__
KOGS 1.40 178.1 Pg 12:59:52.696 2.2 T__ 124.6 --- ML 2.4 1394841 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=0
VRAC 1.49 10.4 Pn 12:59:50.870 0.7 T__ 22.3 --- ML 1.7 1394840 FDSN CZ -- BUD iLoc HHZ HHZ _
VRAC 1.49 10.4 Sn 13:00:11.357 1.7 T__ --- 1394848 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
TREC 1.52 342.6 Sn 13:00:11.658 1.5 T__ --- 1394849 FDSN CZ -- BUD iLoc HHN ??? _

```

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/07	20:00:26.49	0.93	0.74	47.2249	18.2147	5.4	3.6	60	10.0f		8	5	131	0.14	0.46	ke	BUD	19005034	BUD			248

```

Magnitude Err Nsta Author OrigID
ML 0.9 0.4 3 BUD 19005034

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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
CSKK	0.14	12.7	Pg	20:00:30.307	0.2					T__		85.9			ML	0.6 1395622	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
CSKK	0.14	12.7	Lg	20:00:32.242	-0.9					T__						1395624	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 0.6 magdef=1 (Station ML: 0.6 magdef=1																										
HU08A	0.29	316.3	Pg	20:00:33.114	0.5					T__		64.9			ML	0.9 1395620	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_		
HU08A	0.29	316.3	Lg	20:00:37.779	0.3					T__						1395625	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 0.9 magdef=1 (Station ML: 0.9 magdef=1																										
A267A	0.33	146.7	Pg	20:00:33.687	0.2					T__		93.3			ML	1.2 1395621	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_		
A267A	0.33	146.7	Lg	20:00:39.192	0.1					T__						1395623	FDSN	Z6	00	BUD	iLoc	HHE	???	_		
(Reading ML: 1.2 magdef=1 (Station ML: 1.2 magdef=1																										
HU09A	0.43	15.3	Lg	20:00:42.199	-0.3					T__						1395626	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
MPLH	0.46	263.5	Lg	20:00:41.880	-1.2					T__						1395627	FDSN	HU	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/08	12:53:15.73	1.07	1.16	47.8908	16.3520	6.2	5.5	61	11.0f		5	3	139	0.19	0.79	ke	BUD	19005036	BUD			274

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Magnitude Err Nsta Author OrigID

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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
RONA	0.19	191.1	Pg	12:53:20.651	0.3					T__						1396121	FDSN	OE	--	BUD	iLoc	HHZ	???	_		
RONA	0.19	191.1	Lg	12:53:23.134	-0.4					T__						1396122	FDSN	OE	--	BUD	iLoc	HHN	???	_		
CONA	0.33	276.7	Pg	12:53:23.517	0.7					T__		40.5			ML	0.8 1396120	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_		
CONA	0.33	276.7	Lg	12:53:26.293	-1.3					T__						1396118	FDSN	OE	--	BUD	iLoc	HHN	???	_		
(Reading ML: 0.8 magdef=1 (Station ML: 0.8 magdef=0																										
MODS	0.79	51.7	Lg	12:53:42.927	-0.5					T__						1396119	FDSN	SK	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/09	06:47:46.68	2.53	0.61	48.0090	20.7090	14.8	8.2	174	0.0f		10	6	261	0.17	0.50	sx	BUD	19005040	BUD			325

2023/10/09 06:47:47.68 0.94 0.58 48.0471 20.6805f 0.0f 10 6 249 0.13 0.46 kx BUD\_GT 19005041 BUD\_GT 317  
 (locality: Miskolc-Mexikóvölgy Hungary)  
 (GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID  
 ML 1.3 0.1 4 BUD\_GT 19005041

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU02A	0.13	305.8	Pg	06:47:50.716	-0.2					T__		451.4		---	ML	1.3	1397617	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.13	305.8	Lg	06:47:53.559	-0.1					T__				---		1397623	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
CP17A	0.21	326.7	Pg	06:47:52.675	0.5					T__		261.5		---	ML	1.3	1397618	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.21	326.7	Lg	06:47:55.752	0.1					T__				---		1397624	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
CP16A	0.31	342.4	Pg	06:47:54.293	0.2					T__		76.9		---	ML	1.0	1397620	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.31	342.4	Lg	06:47:59.659	0.6					T__				---		1397619	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
ABAH	0.45	56.1	Lg	06:48:03.321	-1.5					T__				---		1397622	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KECS	0.46	343.5	Lg	06:48:03.821	-0.2					T__				---		1397625	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	0.46	348.2	Pg	06:47:57.114	0.1					T__		62.4		---	ML	1.4	1397621	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.46	348.2	Lg	06:48:03.768	-0.4					T__				---		1397626	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/10/09 08:02:34.55 1.36 0.66 48.7097 20.5341 19.9 5.9 86 0.0f 8 5 191 0.21 0.90 sx BUD 19005044 BUD 330

Magnitude Err Nsta Author OrigID  
 ML 1.2 0.2 3 BUD 19005044

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.21	179.1	Pg	08:02:39.118	0.1					T__		159.3		---	ML	1.1	1398164	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.21	179.1	Lg	08:02:42.162	-0.3					T__				---		1398167	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
KECS	0.23	188.1	Pg	08:02:39.671	0.4					T__		480.6		---	ML	1.6	1398165	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.23	188.1	Lg	08:02:43.695	0.7					T__				---		1398168	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
CP16A	0.37	179.4	Pg	08:02:42.152	0.1					T__		80.8		---	ML	1.2	1398166	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.37	179.4	Lg	08:02:47.049	-0.6					T__				---		1398169	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
NIE	0.73	347.8	Lg	08:02:58.420	-0.2					T__				---		1398170	FDSN	PL	--	BUD	iLoc	BHN	???	_	
PSZ	0.90	208.6	Lg	08:03:05.953	-1.0					T__				---		1398171	FDSN	GE	--	BUD	iLoc	HHN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp

2023/10/09 08:27:28.29 1.69 0.77 48.2928 19.8997 11.7 4.4 123 0.0f 11 7 243 0.37 0.89 sx BUD 19005046 BUD 311

Magnitude Err Nsta Author OrigID  
ML 1.8 0.1 4 BUD 19005046

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
PSZ	0.37	180.5	Pg	08:27:36.697	0.1					T__		328.5		---	ML	1.9 1398202	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.37	180.5	Lg	08:27:42.759	-0.1					T__				---		1398203	FDSN	GE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=1)																								
CP17A	0.42	100.0	Lg	08:27:44.426	1.1					T__				---		1398205	FDSN	Z6	00	BUD	iLoc	HHN	???	_
CP16A	0.43	83.2	Lg	08:27:43.730	0.0					T__				---		1398206	FDSN	Z6	00	BUD	iLoc	HHN	???	_
KECS	0.43	63.8	Pg	08:27:37.707	0.6					T__		267.8		---	ML	1.9 1398199	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.43	63.8	Lg	08:27:43.467	-0.4					T__				---		1398204	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=1)																								
HU02A	0.45	112.0	Pg	08:27:37.947	0.0					T__		91.1		---	ML	1.5 1398201	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.45	112.0	Lg	08:27:44.856	-0.5					T__				---		1398208	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=1)																								
JOS	0.47	64.3	Pg	08:27:37.984	0.2					T__		137.3		---	ML	1.8 1398200	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.47	64.3	Lg	08:27:44.254	-0.9					T__				---		1398207	FDSN	Z6	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=1)																								
ABAH	0.89	89.3	Lg	08:27:58.683	-1.4					T__				---		1398209	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
2023/10/09 08:58:34.36 1.59 0.98 47.3133 18.3209 19.1 5.7 64 0.0f 5 4 125 0.06 1.22 sx BUD 19005048 BUD 233

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
CSKK	0.06	320.5	Pg	08:58:36.745	0.4					T__		2677.0		---	ML	1.9 1398248	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.06	320.5	Lg	08:58:37.213	-1.2					T__				---		1398247	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=0)																								
HU08A	0.29	293.8	Lg	08:58:46.082	-0.0					T__				---		1398251	FDSN	Z6	00	BUD	iLoc	HHN	???	_
MORH	1.12	168.5	Lg	08:59:12.387	-0.5					T__				---		1398249	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	1.22	59.8	Sn	08:59:16.220	-0.3					T__				---		1398250	FDSN	GE	--	BUD	iLoc	HHN	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
2023/10/09 10:51:30.17 2.09 0.48 48.4483 19.4495 11.7 5.9 106 0.0f 10 8 220 0.55 1.12 sx BUD 19005050 BUD 276

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
HU03A	0.55	169.5	Lg	10:51:50.801	0.6					T__				---		1398586	FDSN	Z6	00	BUD	iLoc	HHN	???	_
PSZ	0.61	150.5	Lg	10:51:52.164	-0.5					T__				---		1398585	FDSN	GE	--	BUD	iLoc	HHN	???	_
KECS	0.69	86.7	Lg	10:51:54.549	0.2					T__				---		1398580	FDSN	SK	--	BUD	iLoc	EHN	???	_
JOS	0.73	85.8	Pg	10:51:44.925	0.3					T__		43.1		---	ML	1.5 1398579	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_





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JOS 0.71 252.3 Lg 11:56:06.962 -0.2 T__ --- 1398652 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
KECS 0.75 252.3 Lg 11:56:08.261 -0.2 T__ --- 1398654 FDSN SK -- BUD iLoc EHN ??? _
CP16A 0.77 241.5 Lg 11:56:08.875 -0.5 T__ --- 1398660 FDSN Z6 00 BUD iLoc HHN ??? _
CP17A 0.86 234.9 Pn 11:56:01.533 1.2 T__ 141.0 --- ML 2.1 1398655 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP17A 0.86 234.9 Lg 11:56:13.626 1.2 T__ --- 1398656 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
HU02A 0.91 229.6 Pn 11:56:00.702 -0.7 T__ 50.2 --- ML 1.7 1398657 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/09 14:54:55.46 1.33 0.45 45.5337 17.6693 18.0 7.6 109 15.0f 7 5 159 0.40 0.96 ke BUD 19005056 BUD 292

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
A273A 0.40 15.0 Pg 14:55:03.917 0.2 T__ 241.8 --- ML 1.8 1399816 FDSN Z6 00 BUD iLoc HHZ HHZ _
A273A 0.40 15.0 Lg 14:55:09.240 -0.0 T__ --- 1399817 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
KDVH 0.63 28.3 Lg 14:55:16.735 0.0 T__ --- 1399815 FDSN HU -- BUD iLoc HHN ??? _
A264A 0.68 337.2 Lg 14:55:17.749 -0.2 T__ --- 1399819 FDSN Z6 00 BUD iLoc HHN ??? _
BLY 0.86 203.8 Lg 14:55:22.759 0.0 T__ --- 1399818 FDSN MN -- BUD iLoc HHN ??? _
MORH 0.96 44.6 Pn 14:55:12.264 -0.8 T__ 41.5 --- ML 1.7 1399813 FDSN HU -- BUD iLoc HHZ HHZ _
MORH 0.96 44.6 Sn 14:55:26.657 -0.2 T__ --- 1399814 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/10 08:00:02.60 1.10 1.19 47.9316 19.6327 10.8 2.9 144 0.0f 9 6 187 0.04 0.83 sx BUD 19005060 BUD 311
2023/10/10 07:59:59.08 0.94 1.06 47.8920 19.4049f 0.0f 9 6 325 0.13 0.97 kx BUD_GT 19005061 BUD_GT 325

```

(locality : Bercel Hungary)  
(description : known quarry blast)  
(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID  
ML 1.3 0.2 3 BUD 19005061  
ML 1.5 0.1 3 BUD\_GT

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU03A 0.13 84.8 Pg 08:00:03.300 1.0 T__ 754.9 --- ML 1.5 1402255 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU03A 0.13 84.8 Lg 08:00:05.820 1.0 T__ --- 1402259 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
PSZ 0.33 85.2 Pg 08:00:06.125 -0.4 T__ 66.6 --- ML 1.0 1402252 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.33 85.2 Lg 08:00:11.256 -1.0 T__ --- 1402260 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.0 magdef=1

```

(Station ML: 1.0 magdef=1  
 HU02A 0.79 72.6 Lg 08:00:27.078 -0.7 T\_\_ --- 1402253 FDSN Z6 00 BUD iLoc HHN ??? \_  
 CP16A 0.88 58.9 Lg 08:00:30.346 0.2 T\_\_ --- 1402254 FDSN Z6 00 BUD iLoc HHN ??? \_  
 KECS 0.93 50.3 Lg 08:00:29.799 -2.0 T\_\_ --- 1402256 FDSN SK -- BUD iLoc EHN ??? \_  
 J0S 0.97 51.1 Pg 08:00:18.625 0.3 T\_\_ 28.6 --- ML 1.5 1402258 FDSN Z6 -- BUD iLoc HHZ HHZ \_  
 J0S 0.97 51.1 Lg 08:00:32.429 -1.1 T\_\_ --- 1402257 FDSN Z6 -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.5 magdef=1  
 (Station ML: 1.5 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/10	08:26:20.30	1.07	0.81	48.0769	19.3419	7.8	2.8	161	0.0f		16	13	138	0.24	1.41	sx	BUD	19005062	BUD			172
2023/10/10	08:26:21.39	0.87	2.00	47.8920	19.4049f				0.0f		16	13	150	0.13	1.50	kx	BUD_GT	19005063	BUD_GT			160

(locality : Bercel Hungary)  
 (description : known quarry blast)  
 (GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.0	3 BUD_GT	19005063

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU03A	0.13	84.8	Pg	08:26:26.695	2.1					T__		1926.0		---	ML	2.0	1402293	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.13	84.8	Lg	08:26:29.289	2.1					T__				---		1402296	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1 (Station ML: 2.0 magdef=1																									
HU10A	0.26	259.9	Pg	08:26:27.498	0.3					T__		799.4		---	ML	1.9	1402292	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU10A	0.26	259.9	Lg	08:26:32.576	0.7					T__				---		1402297	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1 (Station ML: 1.9 magdef=1																									
PSZ	0.33	85.2	Pg	08:26:29.087	0.2					T__		189.0		---	ML	1.5	1402295	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.33	85.2	Lg	08:26:34.875	0.3					T__				---		1402294	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1 (Station ML: 1.5 magdef=1																									
HU09A	0.73	250.2	Lg	08:26:48.206	-0.2					T__				---		1402301	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
SRO	0.74	264.3	Lg	08:26:46.818	-1.7					T__				---		1402298	FDSN	SK	--	BUD	iLoc	EHN	???	_	
HU02A	0.79	72.6	Lg	08:26:47.987	-2.1					T__				---		1402299	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP17A	0.81	65.8	Lg	08:26:48.279	-1.9					T__				---		1402300	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP16A	0.88	58.9	Lg	08:26:50.324	-2.1					T__				---		1402302	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KECS	0.93	50.3	Lg	08:26:49.667	-4.4					T__				---		1402303	FDSN	SK	--	BUD	iLoc	EHN	???	_	
CSKK	0.94	236.1	Sn	08:26:56.240	0.1					T__				---		1402305	FDSN	HU	--	BUD	iLoc	HHN	???	_	
J0S	0.97	51.1	Lg	08:26:52.515	-3.3					T__				---		1402304	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
HU08A	1.10	245.8	Lg	08:27:00.695	0.3					T__				---		1402306	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MODS	1.50	289.5	Sn	08:27:08.510	-2.1					T__				---		1402307	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/10	09:09:14.67	0.91	1.53	48.6025	18.5752	6.7	3.9	35	0.0f		16	12	83	0.65	1.40	sx	BUD	19005064	BUD			123

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.1	6 BUD	19005064

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
-----	------	------	-------	------	------	------	-------	------	------	-----	-----	-----	-----	------	-----------	-------	-----	--------	----	------	-----	-----	-----	---

JAVC	0.65	293.5	Pg	09:09:28.620	0.5	T__	77.9	---	ML	1.8	1402348	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.65	293.5	Lg	09:09:36.581	-1.8	T__		---			1402347	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1)																			
(Station ML: 1.8 magdef=1)																			
SRO	0.81	192.6	Lg	09:09:43.085	-0.9	T__		---			1402346	FDSN	SK	--	BUD	iLoc	EHN	???	_
HU10A	0.81	158.5	Lg	09:09:42.215	-2.0	T__		---			1402355	FDSN	Z6	00	BUD	iLoc	HHN	???	_
MODS	0.89	255.6	Lg	09:09:46.376	-0.1	T__		---			1402354	FDSN	SK	--	BUD	iLoc	HHN	???	_
HU03A	0.98	135.2	Pg	09:09:36.882	2.0	T__	856.7	---	ML	3.0	1402349	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.0 magdef=1)																			
(Station ML: 3.0 magdef=0)																			
PSZ	1.12	127.3	Sn	09:09:52.075	-2.4	T__		---			1402350	FDSN	GE	--	BUD	iLoc	HHN	???	_
HU08A	1.25	200.7	Sn	09:09:58.198	0.9	T__		---			1402352	FDSN	Z6	00	BUD	iLoc	HHN	???	_
KECS	1.28	94.7	Pn	09:09:40.060	1.2	T__	100.4	---	ML	2.2	1402343	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	1.28	94.7	Lg	09:09:55.946	-2.3	T__		---			1402351	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Reading ML: 2.2 magdef=1)																			
(Station ML: 2.2 magdef=1)																			
JOS	1.31	93.9	Pn	09:09:39.440	0.1	T__	28.9	---	ML	1.7	1402342	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	1.31	93.9	Sn	09:09:56.932	-1.9	T__		---			1402356	FDSN	Z6	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1)																			
(Station ML: 1.7 magdef=1)																			
MORC	1.36	330.4	Lg	09:09:58.856	0.1	T__		---			1402357	FDSN	CZ	--	BUD	iLoc	HHN	???	_
HU02A	1.39	109.6	Pn	09:09:40.353	-0.2	T__	38.0	---	ML	1.9	1402344	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.39	109.6	Sn	09:10:00.547	-0.3	T__		---			1402353	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1)																			
(Station ML: 1.9 magdef=1)																			
NIE	1.40	53.6	Pn	09:09:42.105	1.2	T__	18.5	---	ML	1.5	1402345	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.5 magdef=1)																			
(Station ML: 1.5 magdef=0)																			

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/10	11:16:36.88	0.98	1.46	47.3654	18.4188	5.1	3.9	131	0.0f		16	15	98	0.11	1.61	sx	BUD	19005066	BUD			111

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.11	268.9	Pg	11:16:40.444	0.8					T__		7053.2			ML	2.4	1402688	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.11	268.9	Lg	11:16:41.877	-0.5					T__						1402691	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=1)																									
HU09A	0.27	354.9	Lg	11:16:47.802	-0.2					T__						1402689	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU08A	0.34	281.3	Lg	11:16:49.181	-1.1					T__						1402692	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A267A	0.42	174.1	Lg	11:16:51.963	-0.9					T__						1402693	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
BUD	0.43	73.7	Lg	11:16:53.408	-0.0					T__						1402694	FDSN	HU	--	BUD	iLoc	HHN	???	_	
SRO	0.45	351.0	Lg	11:16:53.619	-0.6					T__						1402695	FDSN	SK	--	BUD	iLoc	EHN	???	_	
TIH	0.59	217.8	Lg	11:16:57.688	-0.2					T__						1402696	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU10A	0.63	40.0	Lg	11:16:59.348	-1.0					T__						1402697	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.63	252.3	Pg	11:16:49.701	-0.1					T__	109.7				ML	1.9	1402690	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
PSZ	1.14	60.4	Sn	11:17:17.707	0.7					T__						1402698	FDSN	GE	--	BUD	iLoc	HHN	???	_	
MORH	1.16	172.3	Sn	11:17:16.701	0.0					T__						1402699	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MODS	1.27	323.1	Sn	11:17:19.170	-1.0					T__						1402700	FDSN	SK	--	BUD	iLoc	HHN	???	_	

KOVH	1.30	189.9	Sn	11:17:22.002	2.0	T__	---	1402701	FDSN	HU	--	BUD	iLoc	HHN	???	_
RONA	1.48	283.9	Sn	11:17:24.537	-0.1	T__	---	1402702	FDSN	OE	--	BUD	iLoc	HHN	???	_
HU02A	1.61	61.2	Sn	11:17:32.384	4.3	T__	---	1402703	FDSN	Z6	00	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/10	11:18:29.44	2.18	0.66	48.3378	19.8266	15.4	5.0	123	0.0f		9	5	257	0.42	0.51	sx	BUD	19005068	BUD			316

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.1	4 BUD	19005068

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.42	173.8	Pg	11:18:38.919	0.2					T__		141.6		---	ML	1.6	1402732	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.42	173.8	Lg	11:18:45.410	-0.2					T__				---		1402733	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
KECS	0.46	71.4	Pg	11:18:38.901	0.1					T__		165.8		---	ML	1.8	1402730	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.46	71.4	Lg	11:18:45.721	-0.2					T__				---		1402729	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
CP16A	0.48	89.2	Lg	11:18:47.771	1.4					T__				---		1402734	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
JOS	0.50	71.3	Pg	11:18:39.284	-0.2					T__		89.0		---	ML	1.6	1402727	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.50	71.3	Lg	11:18:46.908	-0.3					T__				---		1402728	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
HU02A	0.51	114.5	Pg	11:18:40.015	-0.3					T__		58.7		---	ML	1.5	1402731	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.51	114.5	Lg	11:18:48.012	-0.6					T__				---		1402735	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/10/10	11:22:10.78	1.99	1.61	47.9390	16.1125	16.9	4.5	28	0.0f		6	4	143	0.17	1.14	sx	BUD	19005070	BUD					246

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.17	266.5	Pg	11:22:14.552	0.2					T__		131.5		---	ML	0.9	1402757	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.17	266.5	Lg	11:22:16.305	-0.6					T__				---		1402758	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=0)																									
RONA	0.27	152.6	Pg	11:22:16.451	0.0					T__				---		1402760	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.27	152.6	Lg	11:22:20.066	-0.2					T__				---		1402759	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.80	210.3	Lg	11:22:36.518	0.3					T__				---		1402761	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.14	9.4	Sn	11:22:52.513	2.7					T__				---		1402762	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/10/10	12:07:06.82	2.53	0.79	47.3903	18.3742	19.4	6.3	126	0.0f		5	4	169	0.08	1.19	sx	BUD	19005072	BUD					253

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.08	250.7	Pg	12:07:09.357	0.2					T__		1216.1		---	ML	1.6	1402777	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.08	250.7	Lg	12:07:10.599	-0.8					T__				---		1402778	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=0)																									
HU09A	0.25	1.3	Lg	12:07:16.679	-0.4					T__				---		1402779	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU08A	0.31	277.8	Lg	12:07:19.318	0.3					T__				---		1402780	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MORH	1.19	171.0	Sn	12:07:46.762	-0.6					T__				---		1402781	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/10	19:16:11.01	2.23	0.91	46.2882	17.9034	10.7	5.1	59	18.5	16.9	7	5	137	0.16	0.80	ke	BUD	19005076	BUD			185

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
A265A	0.16	331.3	Pg	19:16:15.547	-0.1					T__		155.7		---	ML	0.9	1402823	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A265A	0.16	331.3	Lg	19:16:18.788	-0.1					T__				---		1402822	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
KOVH	0.24	145.6	Pg	19:16:17.090	0.1					T__		41.5		---	ML	0.6	1402820	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.24	145.6	Lg	19:16:21.208	0.1					T__				---		1402821	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.6 magdef=1)																									
(Station ML: 0.6 magdef=1)																									
A266A	0.34	46.3	Lg	19:16:25.104	0.9					T__				---		1402824	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MORH	0.52	97.9	Lg	19:16:28.318	-1.2					T__				---		1402825	FDSN	HU	--	BUD	iLoc	HHN	???	_	
BEHE	0.80	283.5	Sn	19:16:38.032	0.4					T__				---		1402826	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/11	07:00:44.99	2.31	1.52	48.3336	21.5666	19.7	9.3	148	0.0f		8	6	215	0.22	0.76	sx	BUD	19005080	BUD			329

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.22	260.4	Pg	07:00:50.248	0.4					T__		574.1		---	ML	1.7	1408418	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.22	260.4	Lg	07:00:53.567	-0.5					T__				---		1408420	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
CP16A	0.69	271.1	Lg	07:01:08.897	-0.2					T__				---		1408421	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
JOS	0.70	283.7	Pg	07:01:00.063	1.0					T__		64.1		---	ML	1.7	1408419	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.70	283.7	Lg	07:01:08.431	-1.2					T__				---		1408423	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
HU02A	0.73	253.5	Lg	07:01:09.664	-1.9					T__				---		1408422	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KECS	0.74	282.1	Lg	07:01:09.735	-1.0					T__				---		1408424	FDSN	SK	--	BUD	iLoc	EHN	???	_	
KOLS	0.76	37.7	Lg	07:01:10.056	-2.0					T__				---		1408425	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/11	08:27:24.37	1.48	0.84	45.7845	16.9048	13.9	5.4	175	10.0f		10	7	203	0.46	1.29	ke	BUD	19005082	BUD			211

Magnitude Err Nsta Author OrigID  
 ML 1.9 0.1 4 BUD 19005082

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A264A	0.46	35.4	Pg	08:27:33.368	-0.5					T__		417.8		---	ML	2.2 1408456	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.2 magdef=1 Station ML: 2.2 magdef=1)																								
PTJ	0.67	280.9	Pg	08:27:37.611	0.1					T__		83.3		---	ML	1.8 1408455	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.67	280.9	Lg	08:27:46.458	-0.9					T__				---		1408454	FDSN	CR	--	BUD	iLoc	BHN	???	_
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=1)																								
BEHE	0.69	352.6	Sn	08:27:50.120	-0.1					T__				---		1408451	FDSN	HU	--	BUD	iLoc	HHN	???	_
KOGS	0.80	325.8	Pg	08:27:39.687	-0.2					T__		109.1		---	ML	2.0 1408453	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.80	325.8	Lg	08:27:52.377	1.8					T__				---		1408452	FDSN	SL	--	BUD	iLoc	BHN	???	_
(Reading ML: 2.0 magdef=1 Station ML: 2.0 magdef=1)																								
KOVH	0.89	69.6	Pg	08:27:42.064	0.4					T__		76.3		---	ML	1.9 1408457	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.89	69.6	Sn	08:27:54.243	-0.6					T__				---		1408458	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=1)																								
CRES	1.01	272.9	Sn	08:27:58.064	-0.5					T__				---		1408459	FDSN	SL	--	BUD	iLoc	BHN	???	_
MORH	1.29	69.8	Lg	08:28:05.493	-0.3					T__				---		1408450	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/10/11 08:55:10.33 1.44 1.14 48.5294 20.7830 10.5 4.0 11 0.0f 9 6 228 0.17 0.44 sx BUD 19005084 BUD 304

Magnitude Err Nsta Author OrigID  
 ML 1.4 0.0 5 BUD 19005084

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
JOS	0.17	258.4	Pg	08:55:13.568	-0.3					T__		202.4		---	ML	1.1 1408488	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.17	258.4	Lg	08:55:17.134	0.5					T__				---		1408490	FDSN	Z6	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.1 magdef=1 Station ML: 1.1 magdef=0)																								
KECS	0.20	257.0	Pg	08:55:14.089	-0.5					T__		520.6		---	ML	1.6 1408489	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.20	257.0	Lg	08:55:18.358	0.4					T__				---		1408491	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Reading ML: 1.6 magdef=1 Station ML: 1.6 magdef=0)																								
CP16A	0.25	220.9	Lg	08:55:21.536	2.1					T__				---		1408492	FDSN	Z6	00	BUD	iLoc	HHN	???	_
CP17A	0.36	210.4	Pg	08:55:16.277	-1.5					T__		86.1		---	ML	1.2 1408493	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.2 magdef=1 Station ML: 1.2 magdef=1)																								
ABAH	0.38	127.3	Pg	08:55:18.300	0.0					T__		109.6		---	ML	1.4 1408496	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.38	127.3	Lg	08:55:24.634	-0.3					T__				---		1408495	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.4 magdef=1 Station ML: 1.4 magdef=1)																								
HU02A	0.44	203.0	Pg	08:55:19.344	-0.4					T__		72.0		---	ML	1.4 1408494	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.4 magdef=1 Station ML: 1.4 magdef=1)																								

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/11	09:18:22.08	1.78	0.43	48.2853	19.8704	12.5	4.5	122	0.0f	10	6	246	0.37	0.49	sx	BUD	19005086	BUD				313

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.1	4 BUD	19005086

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.37	177.5	Pg	09:18:30.234	-0.0					T__		142.4		___	ML	1.5	1408527	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.37	177.5	Lg	09:18:36.557	0.2					T__				---		1408528	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
CP17A	0.43	98.6	Lg	09:18:38.400	0.7					T__				---		1408534	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP16A	0.45	82.5	Lg	09:18:38.553	0.4					T__				---		1408535	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KECS	0.46	64.0	Pg	09:18:31.405	0.1					T__	157.6			---	ML	1.8	1408531	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.46	64.0	Lg	09:18:37.941	-0.4					T__				---		1408533	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
HU02A	0.47	110.2	Pg	09:18:31.852	-0.2					T__		75.3		___	ML	1.5	1408530	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.47	110.2	Lg	09:18:38.985	-0.7					T__				---		1408529	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
JOS	0.49	64.5	Pg	09:18:31.958	-0.1					T__		77.8		___	ML	1.6	1408532	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.49	64.5	Lg	09:18:39.687	0.1					T__				---		1408536	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/10/11	09:47:06.85	1.01	0.74	47.8996	16.0795	6.9	4.0	24	0.0f	7	5	88	0.15	1.18	sx	BUD	19005088	BUD					159

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.15	281.1	Pg	09:47:10.518	0.4					T__		149.0		___	ML	0.9	1408559	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.15	281.1	Lg	09:47:11.772	-0.6					T__				---		1408563	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=0)																									
RONA	0.25	143.8	Pg	09:47:12.253	0.2					T__				---		1408560	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.25	143.8	Lg	09:47:15.990	0.3					T__				---		1408561	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.75	210.3	Lg	09:47:29.998	-0.8					T__				---		1408564	FDSN	OE	--	BUD	iLoc	HHN	???	_	
MODS	0.93	59.0	Lg	09:47:39.622	-0.5					T__				---		1408565	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KRUC	1.18	10.1	Sn	09:47:46.224	-0.7					T__				---		1408562	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/10/11	10:52:51.29	1.68	0.41	46.0090	22.9235	12.1	8.8	74	0.0f	7	5	143	0.13	0.99	sx	BUD	19005090	BUD					245

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DEV	0.13	186.4	Pg	10:52:53.623	-0.1					T__		1324.1		___	ML	1.8	1409052	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.13	186.4	Lg	10:52:55.148	-0.3					T__				---		1409054	FDSN	RO	--	BUD	iLoc	HHN	???	_	

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(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
GZR 0.62 189.5 Pg 10:53:03.320 0.0 T__ 111.1 ___ ML 1.9 1409053 FDSN RO -- BUD iLoc HHZ HHZ _
GZR 0.62 189.5 Lg 10:53:12.777 0.6 T__ ___ 1409055 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
DRGR 0.80 349.4 Lg 10:53:19.506 -0.1 T__ ___ 1409057 FDSN RO -- BUD iLoc HHN ??? _
LOT 0.82 133.1 Lg 10:53:19.335 0.4 T__ ___ 1409056 FDSN RO -- BUD iLoc HHN ??? _
BZS 0.99 247.2 Lg 10:53:24.871 0.2 T__ ___ 1409058 FDSN RO -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/11 11:43:00.76 1.99 0.51 45.7416 16.9435 15.1 8.8 163 12.0f 6 5 208 0.70 1.04 ke BUD 19005092 BUD 284

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
PTJ 0.70 284.0 Lg 11:43:24.996 0.3 T__ ___ 1409076 FDSN CR -- BUD iLoc BHN ??? _
BEHE 0.74 351.0 Lg 11:43:25.586 0.5 T__ ___ 1409078 FDSN HU -- BUD iLoc HHN ??? _
KOGS 0.86 325.9 Lg 11:43:27.771 -0.6 T__ ___ 1409079 FDSN SL -- BUD iLoc BHN ??? _
KOVH 0.88 66.3 Lg 11:43:29.502 -0.0 T__ ___ 1409080 FDSN HU -- BUD iLoc HHN ??? _
CRES 1.04 275.2 Pg 11:43:19.992 -0.1 T__ 58.9 ___ ML 1.9 1409077 FDSN SL -- BUD iLoc BHZ BHZ _
CRES 1.04 275.2 Lg 11:43:35.312 0.2 T__ ___ 1409081 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=0

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/11 14:09:59.24 1.69 1.57 45.7626 16.9083 14.1 9.9 165 12.0f 8 7 105 0.67 1.21 ke BUD 19005094 BUD 205

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Magnitude Err Nsta Author OrigID  
ML 1.9 0.1 3 BUD 19005094

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
PTJ 0.67 282.7 Pg 14:10:11.832 -0.6 T__ 96.7 ___ ML 1.9 1409101 FDSN CR -- BUD iLoc BHZ BHZ _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
BEHE 0.71 352.6 Sn 14:10:24.176 -1.1 T__ ___ 1409102 FDSN HU -- BUD iLoc HHN ??? _
KOGS 0.82 326.5 Pg 14:10:15.000 0.0 T__ 132.3 ___ ML 2.1 1409104 FDSN SL -- BUD iLoc BHZ BHZ _
KOGS 0.82 326.5 Lg 14:10:26.412 0.5 T__ ___ 1409103 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
KOVH 0.89 68.2 Lg 14:10:28.136 -0.3 T__ ___ 1409105 FDSN HU -- BUD iLoc HHN ??? _
CRES 1.02 274.1 Pg 14:10:18.683 0.6 T__ 68.4 ___ ML 1.9 1409106 FDSN SL -- BUD iLoc BHZ BHZ _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
BLY 1.03 169.0 Sn 14:10:36.259 3.0 T__ ___ 1409107 FDSN MN -- BUD iLoc HHN ??? _
A266A 1.21 50.5 Sn 14:10:38.388 1.1 T__ ___ 1409108 FDSN Z6 00 BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/11 15:03:26.46 3.98 0.59 45.7975 16.7322 28.2 10.2 131 12.0f 5 4 269 0.55 0.89 ke BUD 19005096 BUD 299

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Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PTJ	0.55	281.9	Lg	15:03:45.159	-0.5					T__						1409127	FDSN	CR	--	BUD	iLoc	BHN	???	_	
BEHE	0.67	2.5	Lg	15:03:48.502	-0.4					T__						1409131	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOGS	0.73	332.9	Lg	15:03:50.844	0.5					T__						1409130	FDSN	SL	--	BUD	iLoc	BHN	???	_	
CRES	0.89	272.3	Pg	15:03:43.200	0.1					T__		59.5			ML	1.8	1409129	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.89	272.3	Lg	15:03:56.359	0.2					T__						1409128	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=0)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/11	15:15:24.75	2.34	1.21	45.7754	16.8274	20.4	16.3	125	27.7	26.0	8	5	203	0.61	0.96	ke	BUD	19005098	BUD			276

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.1	3 BUD	19005098

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PTJ	0.61	282.7	Lg	15:15:45.612	-1.4					T__						1409151	FDSN	CR	--	BUD	iLoc	BHN	???	_	
BEHE	0.70	357.0	Sn	15:15:48.917	1.2					T__						1409152	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOGS	0.78	329.4	Pn	15:15:38.314	-1.0					T__		85.9			ML	1.9	1409154	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.78	329.4	Lg	15:15:51.163	0.3					T__						1409153	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
KOVH	0.94	70.1	Pn	15:15:40.842	-0.3					T__		62.8			ML	1.8	1409158	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.94	70.1	Sn	15:15:52.824	-0.7					T__						1409157	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
CRES	0.96	273.5	Pg	15:15:43.637	0.9					T__		39.2			ML	1.6	1409155	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.96	273.5	Lg	15:15:57.295	-0.3					T__						1409156	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/11	15:17:33.34	1.84	1.40	45.6953	16.8645	15.9	8.9	172	10.0f		8	5	212	0.66	0.99	ke	BUD	19005100	BUD			282

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.1	3 BUD	19005100

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PTJ	0.66	289.0	Pg	15:17:47.198	0.7					T__		103.5			ML	1.9	1409183	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.66	289.0	Lg	15:17:53.617	-2.6					T__						1409182	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
BEHE	0.78	355.5	Lg	15:17:59.073	0.1					T__						1409184	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOGS	0.87	330.6	Lg	15:18:01.469	-0.0					T__						1409185	FDSN	SL	--	BUD	iLoc	BHN	???	_	
KOVH	0.95	65.1	Pn	15:17:50.977	-0.6					T__		52.4			ML	1.7	1409187	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.95	65.1	Lg	15:18:02.927	-1.2					T__						1409186	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									

(Station ML: 1.7 magdef=1  
 CRES 0.99 278.1 Pn 15:17:53.793 0.9 T\_\_ 83.8 \_\_\_ ML 2.0 1409188 FDSN SL -- BUD iLoc BHZ BHZ \_  
 CRES 0.99 278.1 Sn 15:18:07.398 0.3 T\_\_ \_\_\_ 1409189 FDSN SL -- BUD iLoc BHN ??? \_  
 (Reading ML: 2.0 magdef=1  
 (Station ML: 2.0 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/11	16:22:43.01	1.07	0.75	45.8207	16.8767	7.3	5.8	166	12.4	18.9	13	10	102	0.64	1.29	ke	BUD	19005102	BUD			189

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.1	7 BUD	19005102

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PTJ	0.64	278.1	Pg	16:22:55.661	-0.0					T__		148.1		___	ML	2.0	1409224	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 2.0 magdef=1 (Station ML: 2.0 magdef=1																									
BEHE	0.65	353.9	Pn	16:22:57.439	0.3					T__		282.4		___	ML	2.3	1409225	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BEHE	0.65	353.9	Sn	16:23:08.016	0.5					T__				___		1409226	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.3 magdef=1 (Station ML: 2.3 magdef=1																									
A273A	0.66	81.4	Pg	16:22:56.284	0.1					T__		389.1		___	ML	2.5	1409222	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A273A	0.66	81.4	Sn	16:23:05.865	-1.6					T__				___		1409223	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.5 magdef=1 (Station ML: 2.5 magdef=0																									
KOGS	0.76	325.5	Sn	16:23:10.358	0.4					T__				___		1409227	FDSN	SL	--	BUD	iLoc	BHN	???	_	
A263A	0.87	20.2	Pg	16:23:00.117	0.1					T__		239.1		___	ML	2.4	1409230	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.4 magdef=1 (Station ML: 2.4 magdef=1																									
KOVH	0.89	72.1	Pn	16:22:59.717	-0.4					T__		104.8		___	ML	2.0	1409229	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.89	72.1	Lg	16:23:11.933	-0.3					T__				___		1409228	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1 (Station ML: 2.0 magdef=1																									
CRES	0.99	270.8	Pn	16:23:02.214	-0.0					T__		78.0		___	ML	1.9	1409231	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.9 magdef=1 (Station ML: 1.9 magdef=1																									
BLY	1.09	168.5	Pg	16:23:03.491	0.1					T__		64.7		___	ML	1.9	1409232	FDSN	MN	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1 (Station ML: 1.9 magdef=0																									
A266A	1.19	53.3	Lg	16:23:22.260	-0.4					T__				___		1409233	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MORH	1.29	71.6	Sn	16:23:24.006	1.2					T__				___		1409234	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/11	17:17:30.46	2.16	1.10	45.7099	16.9065	18.8	9.9	160	8.0f		4	3	211	0.77	1.02	ke	BUD	19005104	BUD			288

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BEHE	0.77	353.2	Lg	17:17:55.911	0.0					T__				___		1409260	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOVH	0.92	65.1	Lg	17:17:59.999	-0.4					T__				___		1409261	FDSN	HU	--	BUD	iLoc	HHN	???	_	
CRES	1.02	277.0	Pg	17:17:49.929	0.3					T__		55.9		___	ML	1.8	1409263	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_

CRES 1.02 277.0 Lg 17:18:04.024 -1.0 T\_\_ --- 1409262 FDSN SL -- BUD iLoc BHN ??? \_  
 (Reading ML: 1.8 magdef=1  
 (Station ML: 1.8 magdef=0

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/11	17:58:00.38	1.87	0.98	45.7581	16.8937	15.1	8.5	152	12.0f	6	5	206	0.66	1.01	ke	BUD	19005106	BUD				280

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.1	4 BUD	19005106

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PTJ	0.66	283.3	Pg	17:58:13.067	-0.4					T__		77.6		---	ML	1.8	1409282	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.8 magdef=1 (Station ML: 1.8 magdef=1																									
BEHE	0.72	353.5	Pg	17:58:14.909	0.5					T__		150.1		---	ML	2.1	1409283	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.1 magdef=1 (Station ML: 2.1 magdef=1																									
KOGS	0.82	327.3	Pg	17:58:15.021	-1.1					T__		77.8		---	ML	1.8	1409284	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.82	327.3	Lg	17:58:27.711	0.7					T__				---			1409285	FDSN	SL	--	BUD	iLoc	BHN	???	_
(Reading ML: 1.8 magdef=1 (Station ML: 1.8 magdef=1																									
KOVH	0.90	68.2	Lg	17:58:29.462	-0.5					T__				---			1409286	FDSN	HU	--	BUD	iLoc	HHN	???	_
CRES	1.01	274.4	Pg	17:58:19.875	0.8					T__		70.5		---	ML	1.9	1409287	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.9 magdef=1 (Station ML: 1.9 magdef=1																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/10/11	18:37:55.51	1.05	0.94	45.8097	16.8979	6.2	5.2	178	12.0f	12	10	102	0.44	1.28	ke	BUD	19005108	BUD					191

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.1	8 BUD	19005108

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
A264A	0.44	37.8	Pg	18:38:03.596	-1.0					T__		226.8		---	ML	1.9	1409547	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1 (Station ML: 1.9 magdef=1																									
A273A	0.65	80.2	Pg	18:38:08.525	0.1					T__		259.6		---	ML	2.3	1409549	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.3 magdef=1 (Station ML: 2.3 magdef=1																									
PTJ	0.66	278.8	Pg	18:38:07.897	-0.6					T__		159.0		---	ML	2.1	1409548	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 2.1 magdef=1 (Station ML: 2.1 magdef=1																									
BEHE	0.67	352.7	Pg	18:38:09.643	1.0					T__		332.8		---	ML	2.4	1409550	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.4 magdef=1 (Station ML: 2.4 magdef=0																									
KOGS	0.78	325.0	Pg	18:38:09.872	-0.6					T__		132.8		---	ML	2.1	1409551	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 2.1 magdef=1 (Station ML: 2.1 magdef=1																									
KOVH	0.88	71.2	Pn	18:38:11.847	-0.7					T__		107.5		---	ML	2.0	1409552	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.0 magdef=1																									

```

(Station ML: 2.0 magdef=1
CRES 1.01 271.4 Pg 18:38:14.710 0.5 T__ 55.6 --- ML 1.8 1409553 FDSN SL -- BUD iLoc BHZ BHZ _
CRES 1.01 271.4 Sn 18:38:30.227 1.1 T__ --- 1409554 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=0
BLY 1.08 169.1 Pg 18:38:16.004 0.3 T__ 77.4 --- ML 2.0 1409555 FDSN MN -- BUD iLoc HHZ HHZ _
BLY 1.08 169.1 Sn 18:38:31.813 1.1 T__ --- 1409556 FDSN MN -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
A266A 1.19 52.5 Lg 18:38:35.518 0.5 T__ --- 1409557 FDSN Z6 00 BUD iLoc HHN ??? _
MORH 1.28 71.0 Sn 18:38:36.359 1.2 T__ --- 1409558 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/11 18:39:01.50 2.00 0.60 45.7458 16.9111 14.8 9.7 163 8.0f 5 4 207 0.73 1.02 ke BUD 19005110 BUD 282

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
BEHE 0.73 352.6 Lg 18:39:26.135 0.3 T__ --- 1409587 FDSN HU -- BUD iLoc HHE ??? _
KOGS 0.84 327.0 Lg 18:39:28.286 -0.5 T__ --- 1409588 FDSN SL -- BUD iLoc BHN ??? _
KOVH 0.90 67.1 Lg 18:39:30.542 -0.3 T__ --- 1409589 FDSN HU -- BUD iLoc HHN ??? _
CRES 1.02 275.0 Pg 18:39:20.865 0.2 T__ 43.3 --- ML 1.7 1409591 FDSN SL -- BUD iLoc BHZ BHZ _
CRES 1.02 275.0 Lg 18:39:35.557 -0.5 T__ --- 1409590 FDSN SL -- BUD iLoc BHN ??? _

```

(Reading ML: 1.7 magdef=1  
(Station ML: 1.7 magdef=0)

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/11 19:01:51.92 2.26 0.30 45.6696 16.9137 18.1 8.4 12 8.0f 6 5 214 0.81 1.32 ke BUD 19005112 BUD 264

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
BEHE 0.81 353.2 Lg 19:02:18.736 0.1 T__ --- 1409772 FDSN HU -- BUD iLoc HHN ??? _
KOGS 0.91 329.6 Lg 19:02:21.163 -0.1 T__ --- 1409773 FDSN SL -- BUD iLoc BHN ??? _
KOVH 0.93 62.8 Pg 19:02:09.950 -0.1 T__ 64.7 --- ML 1.8 1409776 FDSN HU -- BUD iLoc HHZ HHZ _
KOVH 0.93 62.8 Lg 19:02:22.639 0.4 T__ --- 1409777 FDSN HU -- BUD iLoc HHN ??? _

```

(Reading ML: 1.8 magdef=1  
(Station ML: 1.8 magdef=0)

```

CRES 1.03 279.2 Lg 19:02:27.083 0.2 T__ --- 1409774 FDSN SL -- BUD iLoc BHN ??? _
MORH 1.32 65.1 Lg 19:02:34.577 -0.0 T__ --- 1409775 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/11 19:50:32.13 1.61 0.67 45.8541 16.9001 19.4 8.9 177 12.0f 5 3 194 0.75 1.01 ke BUD 19005114 BUD 305

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
KOGS 0.75 323.0 Lg 19:50:56.486 0.0 T__ --- 1409810 FDSN SL -- BUD iLoc BHN ??? _
KOVH 0.87 73.9 Pn 19:50:48.401 -0.5 T__ 73.9 --- ML 1.9 1409807 FDSN HU -- BUD iLoc HHZ HHZ _

```

```

KOVH  0.87 73.9 Lg      19:51:00.995  0.4          T__
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
CRES  1.01 268.9 Pg    19:50:50.727 -0.1          T__      58.6    ___ ML    1.8 1409808  FDSN SL    -- BUD  iLoc  BHZ BHZ _
CRES  1.01 268.9 Lg    19:51:05.993  0.6          T__      ___      ___      1409809  FDSN SL    -- BUD  iLoc  BHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1

```

```

Date      Time      Err    RMS Latitude Longitude Smaj Smin Az Depth  Err Ndef Nsta Gap  mdist Mdist Qual  Author      OrigID      Rep  DPdep  Err Sgp
2023/10/11 19:55:12.90  1.78  0.78 45.7482  16.9337 20.2  8.9 175 12.0f      6    4 206  0.85  1.28  ke BUD      19005116    BUD                258

```

Magnitude Err Nsta Author OrigID

```

Sta  Dist EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
KOGS  0.85 326.1 Lg      19:55:40.251 -0.0          T__
KOVH  0.88 66.9 Pn      19:55:29.643 -0.3          T__      65.4    ___ ML    1.8 1409832  FDSN HU    -- BUD  iLoc  HHZ HHZ _
KOVH  0.88 66.9 Lg      19:55:41.811  0.1          T__      ___      ___      1409833  FDSN HU    -- BUD  iLoc  HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
CRES  1.04 274.8 Pg    19:55:32.001 -0.1          T__      48.7    ___ ML    1.8 1409835  FDSN SL    -- BUD  iLoc  BHZ BHZ _
CRES  1.04 274.8 Lg    19:55:47.374  0.4          T__      ___      ___      1409834  FDSN SL    -- BUD  iLoc  BHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
MORH  1.28 68.0 Sn      19:55:53.750  1.3          T__      ___      ___      1409836  FDSN HU    -- BUD  iLoc  HHN ??? _

```

```

Date      Time      Err    RMS Latitude Longitude Smaj Smin Az Depth  Err Ndef Nsta Gap  mdist Mdist Qual  Author      OrigID      Rep  DPdep  Err Sgp
2023/10/11 20:19:06.19  1.60  0.81 45.8012  16.8747 16.5  7.3 155 12.0f      8    6 200  0.64  1.30  ke BUD      19005118    BUD                208

```

Magnitude Err Nsta Author OrigID  
ML 1.9 0.1 5 BUD 19005118

```

Sta  Dist EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
PTJ  0.64 279.8 Pg    20:19:18.497 -0.4          T__      85.0    ___ ML    1.8 1409860  FDSN CR    -- BUD  iLoc  BHZ BHZ _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=0
BEHE  0.67 354.1 Pg    20:19:19.891  0.5          T__      181.1   ___ ML    2.1 1409861  FDSN HU    -- BUD  iLoc  HHZ HHZ _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=0
KOGS  0.78 326.4 Pg    20:19:20.477 -0.6          T__      82.4    ___ ML    1.8 1409862  FDSN SL    -- BUD  iLoc  BHZ BHZ _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
KOVH  0.90 71.0 Lg      20:19:34.673 -1.0          T__
CRES  0.99 271.9 Pg    20:19:25.177  0.6          T__      71.3    ___ ML    1.9 1409864  FDSN SL    -- BUD  iLoc  BHZ BHZ _
CRES  0.99 271.9 Lg    20:19:39.474  0.6          T__      ___      ___      1409865  FDSN SL    -- BUD  iLoc  BHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
MORH  1.30 70.8 Pn      20:19:29.499  0.6          T__      69.5    ___ ML    2.1 1409867  FDSN HU    -- BUD  iLoc  HHZ HHZ _
MORH  1.30 70.8 Sn      20:19:46.969  0.7          T__      ___      ___      1409866  FDSN HU    -- BUD  iLoc  HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1

```

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/11	20:24:28.49	1.43	0.79	45.7711	16.9117	12.7	6.1	3	10.0f		10	6	204	0.67	1.02	ke	BUD	19005120	BUD			230

Magnitude	Err	Nsta	Author	OrigID
ML	2.2	0.1	6 BUD	19005120

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PTJ	0.67	282.0	Pg	20:24:42.120	0.3					T__		210.9		___	ML	2.2	1410325	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
BEHE	0.71	352.3	Pg	20:24:42.966	0.6					T__		424.0		___	ML	2.5	1410326	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BEHE	0.71	352.3	Sn	20:24:53.655	-1.0					T__				---		1410327	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.5 magdef=1)																									
(Station ML: 2.5 magdef=1)																									
KOGS	0.82	326.0	Pg	20:24:42.892	-1.3					T__		216.8		___	ML	2.3	1410328	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.82	326.0	Lg	20:24:55.752	0.6					T__				---		1410329	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=1)																									
KOVH	0.89	68.6	Pg	20:24:45.569	-0.2					T__		134.7		___	ML	2.1	1410331	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.89	68.6	Lg	20:24:57.743	0.3					T__				---		1410332	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
A265A	0.90	42.9	Pn	20:24:45.990	0.0					T__		342.5		___	ML	2.5	1410330	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.5 magdef=1)																									
(Station ML: 2.5 magdef=0)																									
CRES	1.02	273.6	Pn	20:24:48.087	-0.3					T__		110.8		___	ML	2.1	1410334	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	1.02	273.6	Sn	20:25:02.012	-0.8					T__				---		1410333	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=0)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/11	20:36:57.37	2.57	1.23	45.6855	16.8943	21.9	10.0	23	10.0f		7	4	214	0.79	1.02	ke	BUD	19005122	BUD			284

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.0	3 BUD	19005122

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BEHE	0.79	354.0	Lg	20:37:23.601	0.2					T__				---		1410363	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOGS	0.88	329.8	Pn	20:37:14.616	-0.4					T__		93.7		___	ML	2.0	1410365	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.88	329.8	Lg	20:37:25.965	-0.1					T__				---		1410364	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
KOVH	0.93	64.0	Pg	20:37:15.468	-0.0					T__		76.6		___	ML	1.9	1410366	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.93	64.0	Lg	20:37:27.594	-0.1					T__				---		1410367	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
CRES	1.02	278.5	Pn	20:37:18.215	1.0					T__		84.8		___	ML	2.0	1410369	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	1.02	278.5	Sn	20:37:29.478	-2.2					T__				---		1410368	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.0 magdef=1)																									

(Station ML: 2.0 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/11	20:45:03.90	1.98	0.82	45.7463	16.9096	16.8	9.5	169	8.0f		6	4	206	0.84	1.30	ke	BUD	19005124	BUD			258

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOGS	0.84	327.1	Pg	20:45:20.184	0.1					T__		89.9		---	ML	1.9	1410391	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.84	327.1	Lg	20:45:31.234	0.1					T__				---		1410390	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
KOVH	0.90	67.2	Lg	20:45:32.874	-0.4					T__				---		1410392	FDSN	HU	--	BUD	iLoc	HHN	???	_	
CRES	1.02	275.0	Pg	20:45:23.399	0.4					T__		63.6		---	ML	1.9	1410394	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	1.02	275.0	Lg	20:45:37.154	-1.2					T__				---		1410393	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
MORH	1.30	68.2	Sn	20:45:44.989	0.4					T__				---		1410395	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/11	21:56:05.39	2.73	0.33	45.7414	16.9263	28.4	7.1	14	10.0f		7	4	207	0.85	1.29	ke	BUD	19005130	BUD			258

Magnitude Err Nsta Author OrigID  
ML 1.9 0.1 3 BUD 19005130

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOGS	0.85	326.6	Pg	21:56:21.728	0.1					T__		99.5		---	ML	2.0	1410729	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.85	326.6	Lg	21:56:32.842	-0.2					T__				---		1410730	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
KOVH	0.89	66.6	Pg	21:56:22.649	-0.1					T__		71.3		---	ML	1.8	1410732	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.89	66.6	Lg	21:56:34.694	0.3					T__				---		1410731	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
CRES	1.03	275.2	Pn	21:56:25.507	0.1					T__		72.6		---	ML	1.9	1410733	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	1.03	275.2	Sn	21:56:39.517	-0.5					T__				---		1410734	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
MORH	1.29	67.8	Lg	21:56:46.628	-0.2					T__				---		1410735	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/10/11	22:15:20.38	2.24	0.55	45.7457	16.9454	29.2	6.5	179	0.2		6.2	7	4	207	0.85	1.27	ke	BUD	19005132	BUD			257

Magnitude Err Nsta Author OrigID  
ML 2.0 0.1 3 BUD 19005132

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOGS	0.85	325.7	Lg	22:15:48.608	0.0					T__				---		1410758	FDSN	SL	--	BUD	iLoc	BHN	???	_	
KOVH	0.88	66.6	Pg	22:15:38.202	-0.0					T__		62.2		---	ML	1.8	1410760	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_

```

KOVH 0.88 66.6 Lg 22:15:50.083 -0.3 T__ --- 1410759 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
CRES 1.04 274.9 Pg 22:15:40.784 0.0 T__ 79.0 --- ML 2.0 1410761 FDSN SL -- BUD iLoc BHZ BHZ _
CRES 1.04 274.9 Lg 22:15:55.251 -0.4 T__ --- 1410762 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
MORH 1.27 67.8 Pn 22:15:45.047 0.8 T__ 71.4 --- ML 2.1 1410763 FDSN HU -- BUD iLoc HHZ HHZ _
MORH 1.27 67.8 Sn 22:16:02.139 -0.2 T__ --- 1410764 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/11 23:19:43.69 1.88 0.81 45.7635 16.9150 13.9 9.3 162 12.0f 7 5 205 0.71 1.29 ke BUD 19005134 BUD 257

```

Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
BEHE 0.71 352.2 Lg 23:20:08.261 1.0 T__ --- 1410786 FDSN HU -- BUD iLoc HHN ??? _
KOGS 0.83 326.2 Pg 23:19:59.084 -0.4 T__ 78.9 --- ML 1.9 1410789 FDSN SL -- BUD iLoc BHZ BHZ _
KOGS 0.83 326.2 Lg 23:20:10.172 -0.3 T__ --- 1410788 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
KOVH 0.89 68.1 Lg 23:20:12.434 -0.3 T__ --- 1410787 FDSN HU -- BUD iLoc HHN ??? _
CRES 1.02 274.0 Pg 23:20:03.066 0.4 T__ 64.9 --- ML 1.9 1410791 FDSN SL -- BUD iLoc BHZ BHZ _
CRES 1.02 274.0 Lg 23:20:16.543 -0.8 T__ --- 1410790 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
MORH 1.29 68.8 Sn 23:20:24.208 0.8 T__ --- 1410792 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/12 00:37:13.14 2.22 0.36 45.6950 16.9083 19.1 6.7 16 10.0f 11 6 211 0.78 1.32 ke BUD 19005136 BUD 262

```

Magnitude Err Nsta Author OrigID  
ML 1.9 0.0 5 BUD 19005136

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
BEHE 0.78 353.3 Lg 00:37:39.112 0.2 T__ --- 1410819 FDSN HU -- BUD iLoc HHN ??? _
KOGS 0.88 328.9 Pg 00:37:30.042 0.1 T__ 75.3 --- ML 1.9 1410821 FDSN SL -- BUD iLoc BHZ BHZ _
KOGS 0.88 328.9 Lg 00:37:41.199 -0.6 T__ --- 1410820 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
KOVH 0.92 64.3 Pg 00:37:31.080 0.1 T__ 58.6 --- ML 1.8 1410825 FDSN HU -- BUD iLoc HHZ HHZ _
KOVH 0.92 64.3 Lg 00:37:43.333 0.3 T__ --- 1410824 FDSN HU -- BUD iLoc HHE ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=0
A265A 0.96 39.9 Pn 00:37:31.479 0.0 T__ 132.0 --- ML 2.2 1410822 FDSN Z6 00 BUD iLoc HHZ HHZ _
A265A 0.96 39.9 Lg 00:37:44.339 0.2 T__ --- 1410823 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=0

```



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CRES 1.02 277.9 Pn 00:37:33.683 0.6 T__ 61.6 ___ ML 1.9 1410826 FDSN SL -- BUD iLoc BHZ BHZ _
CRES 1.02 277.9 Sn 00:37:47.565 -0.1 T__ ___ 1410827 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
MORH 1.32 66.1 Pg 00:37:37.893 -0.3 T__ 39.5 ___ ML 1.8 1410828 FDSN HU -- BUD iLoc HHZ HHZ _
MORH 1.32 66.1 Lg 00:37:55.315 -0.2 T__ ___ 1410829 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/12 01:38:53.64 1.13 0.84 45.8254 16.9068 9.6 7.9 17 12.0f 11 7 100 0.65 1.27 ke BUD 19005138 BUD 198

```

```

Magnitude Err Nsta Author OrigID
ML 1.8 0.0 5 BUD 19005138

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
BEHE 0.65 352.0 Sn 01:39:17.970 -0.2 T__ 1410875 FDSN HU -- BUD iLoc HHN ??? _
KOGS 0.77 324.0 Pg 01:39:08.452 -0.0 T__ 97.5 ___ ML 1.9 1410877 FDSN SL -- BUD iLoc BHZ BHZ _
KOGS 0.77 324.0 Lg 01:39:19.779 1.0 T__ ___ 1410876 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
A265A 0.86 45.6 Pn 01:39:09.975 -0.4 T__ 108.0 ___ ML 2.0 1410878 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=0
KOVH 0.87 72.0 Pn 01:39:09.618 -0.9 T__ 55.4 ___ ML 1.7 1410880 FDSN HU -- BUD iLoc HHZ HHZ _
KOVH 0.87 72.0 Lg 01:39:21.733 -0.5 T__ ___ 1410879 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=0
CRES 1.01 270.5 Pg 01:39:12.178 -0.3 T__ 54.2 ___ ML 1.8 1410883 FDSN SL -- BUD iLoc BHZ BHZ _
CRES 1.01 270.5 Lg 01:39:26.018 -1.0 T__ ___ 1410882 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
BLY 1.09 169.6 Lg 01:39:29.339 1.1 T__ 1410881 FDSN MN -- BUD iLoc HHN ??? _
MORH 1.27 71.5 Pn 01:39:16.405 0.5 T__ 40.8 ___ ML 1.8 1410884 FDSN HU -- BUD iLoc HHZ HHZ _
MORH 1.27 71.5 Sn 01:39:33.864 0.9 T__ ___ 1410885 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/12 02:58:49.22 2.04 0.59 45.7519 16.9319 17.2 9.9 167 12.0f 5 3 207 0.84 1.03 ke BUD 19005140 BUD 308

```

```

Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
KOGS 0.84 326.0 Pg 02:59:05.269 -0.0 T__ 66.7 ___ ML 1.8 1411308 FDSN SL -- BUD iLoc BHZ BHZ _
KOGS 0.84 326.0 Lg 02:59:16.628 0.2 T__ ___ 1411309 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
KOVH 0.88 67.2 Lg 02:59:17.938 -0.1 T__ 1411305 FDSN HU -- BUD iLoc HHN ??? _
CRES 1.03 274.6 Pg 02:59:08.612 0.2 T__ 70.6 ___ ML 1.9 1411306 FDSN SL -- BUD iLoc BHZ BHZ _

```

CRES 1.03 274.6 Lg 02:59:22.473 -0.8 T\_\_ --- 1411307 FDSN SL -- BUD iLoc BHN ??? \_  
 (Reading ML: 1.9 magdef=1  
 (Station ML: 1.9 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/12	03:37:45.71	1.65	0.64	45.7640	16.9565	20.7	6.5	178	10.0f	8	4	205	0.84	1.26	ke	BUD	19005142	BUD				256

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.1	4 BUD	19005142

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOGS	0.84	324.6	Pn	03:38:03.598	0.9					T__		67.3		---	ML	1.8	1411333	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.84	324.6	Lg	03:38:12.966	-0.1					T__				---		1411332	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.8 magdef=1 (Station ML: 1.8 magdef=1																									
KOVH	0.86	67.5	Pg	03:38:02.203	-0.3					T__		80.4		---	ML	1.9	1411334	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.86	67.5	Lg	03:38:14.659	0.8					T__				---		1411335	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1 (Station ML: 1.9 magdef=1																									
CRES	1.05	273.9	Pg	03:38:05.227	-0.0					T__		55.5		---	ML	1.8	1411336	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	1.05	273.9	Sn	03:38:20.237	-0.5					T__				---		1411337	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.8 magdef=1 (Station ML: 1.8 magdef=1																									
MORH	1.26	68.4	Pg	03:38:09.528	-0.2					T__		65.1		---	ML	2.0	1411339	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	1.26	68.4	Lg	03:38:26.646	0.3					T__				---		1411338	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1 (Station ML: 2.0 magdef=1																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/12	06:21:41.66	2.05	0.60	45.7117	16.9096	20.6	9.7	172	8.0f	6	4	210	0.87	1.31	ke	BUD	19005146	BUD				261

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOGS	0.87	328.3	Pn	06:22:00.074	0.8					T__		83.7		---	ML	1.9	1411714	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.87	328.3	Lg	06:22:09.698	-0.1					T__				---		1411713	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.9 magdef=1 (Station ML: 1.9 magdef=1																									
KOVH	0.91	65.2	Lg	06:22:11.273	-0.2					T__				---		1411715	FDSN	HU	--	BUD	iLoc	HHN	???	_	
CRES	1.02	276.9	Pg	06:22:00.787	-0.1					T__		57.2		---	ML	1.8	1411717	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	1.02	276.9	Lg	06:22:16.245	-0.0					T__				---		1411716	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.8 magdef=1 (Station ML: 1.8 magdef=1																									
MORH	1.31	66.8	Sn	06:22:23.367	0.7					T__				---		1411718	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/12	07:38:52.41	1.94	1.27	45.7906	16.9012	15.0	9.6	163	10.0f	7	4	202	0.69	1.01	ke	BUD	19005148	BUD				279

Magnitude	Err	Nsta	Author	OrigID
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ML 1.9 0.0 3 BUD 19005148

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
BEHE	0.69	352.7	Pg	07:39:06.419	0.5					T__		165.5		---	ML	2.1 1411761	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BEHE	0.69	352.7	Sn	07:39:16.894	-1.2					T__				---		1411760	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.1 magdef=1)																								
(Station ML: 2.1 magdef=1)																								
KOGS	0.80	325.7	Pg	07:39:06.355	-1.4					T__		90.3		---	ML	1.9 1411762	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.80	325.7	Lg	07:39:19.620	1.2					T__				---		1411763	FDSN	SL	--	BUD	iLoc	BHN	???	_
(Reading ML: 1.9 magdef=1)																								
(Station ML: 1.9 magdef=1)																								
KOVH	0.89	70.0	Lg	07:39:21.153	-0.2					T__				---		1411764	FDSN	HU	--	BUD	iLoc	HHN	???	_
CRES	1.01	272.5	Pg	07:39:11.721	0.5					T__		65.7		---	ML	1.9 1411766	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	1.01	272.5	Sn	07:39:25.454	-1.0					T__				---		1411765	FDSN	SL	--	BUD	iLoc	BHN	???	_
(Reading ML: 1.9 magdef=1)																								
(Station ML: 1.9 magdef=1)																								

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/12	08:12:51.35	1.14	0.82	48.5555	20.7879	7.0	3.9	10	0.0f		9	6	150	0.18	0.92	sx	BUD	19005150	BUD			240

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.4	3 BUD	19005150

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
JOS	0.18	250.2	Pg	08:12:55.251	0.2					T__		254.7		---	ML	1.2 1411791	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.18	250.2	Lg	08:12:58.243	0.2					T__				---		1411795	FDSN	Z6	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.2 magdef=1)																								
(Station ML: 1.2 magdef=1)																								
KECS	0.21	250.3	Pg	08:12:55.752	-0.1					T__		1169.2		---	ML	2.0 1411792	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.21	250.3	Lg	08:12:59.446	0.1					T__				---		1411796	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Reading ML: 2.0 magdef=1)																								
(Station ML: 2.0 magdef=1)																								
CP16A	0.27	217.8	Lg	08:13:01.234	0.0					T__				---		1411793	FDSN	Z6	00	BUD	iLoc	HHN	???	_
ABAH	0.40	130.6	Pg	08:13:00.170	0.6					T__		195.9		---	ML	1.7 1411794	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.40	130.6	Lg	08:13:04.790	-1.7					T__				---		1411797	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1)																								
(Station ML: 1.7 magdef=1)																								
HU02A	0.47	202.1	Lg	08:13:08.141	-0.7					T__				---		1411798	FDSN	Z6	00	BUD	iLoc	HHN	???	_
NIE	0.92	339.8	Lg	08:13:21.351	-0.5					T__				---		1411799	FDSN	PL	--	BUD	iLoc	BHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/12	08:28:46.68	1.46	0.69	48.5991	21.3812	8.4	7.0	21	0.0f		8	5	160	0.32	0.74	sx	BUD	19005152	BUD			297

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.1	3 BUD	19005152

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
ABAH	0.32	197.3	Pg	08:28:53.314	-0.0					T__		149.3		---	ML	1.4 1411823	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.32	197.3	Lg	08:28:59.276	0.3					T__				---		1411824	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.4 magdef=1)																								

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(Station ML: 1.4 magdef=1
JOS 0.57 259.8 Pg 08:28:57.913 -0.1 T__ 73.8 --- ML 1.7 1411827 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.57 259.8 Lg 08:29:07.963 1.3 T__ --- 1411828 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
KECS 0.61 259.3 Lg 08:29:07.707 -0.3 T__ --- 1411829 FDSN SK -- BUD iLoc EHN ??? _
KOLS 0.68 60.1 Lg 08:29:11.029 0.2 T__ --- 1411830 FDSN SK -- BUD iLoc HHN ??? _
HU02A 0.74 230.4 Pg 08:29:01.405 -0.7 T__ 74.0 --- ML 1.8 1411826 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.74 230.4 Lg 08:29:13.839 0.2 T__ --- 1411825 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/12 09:05:12.67 1.17 0.56 45.8181 16.8861 10.9 4.3 171 10.0f 17 13 102 0.44 1.29 ke BUD 19005154 BUD 189

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Magnitude Err Nsta Author OrigID
ML 2.5 0.1 9 BUD 19005154

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
A264A 0.44 39.3 Pg 09:05:21.036 -0.7 T__ 799.4 --- ML 2.4 1411869 FDSN Z6 00 BUD iLoc HHZ HHZ _
A264A 0.44 39.3 Lg 09:05:27.668 -0.2 T__ --- 1411875 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=1
PTJ 0.65 278.2 Pg 09:05:25.337 -0.2 T__ 244.1 --- ML 2.2 1411870 FDSN CR -- BUD iLoc BHZ BHZ _
PTJ 0.65 278.2 Lg 09:05:34.503 -0.6 T__ --- 1411876 FDSN CR -- BUD iLoc BHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
BEHE 0.66 353.3 Pn 09:05:26.997 -0.1 T__ 866.0 --- ML 2.8 1411878 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 2.8 magdef=1
(Station ML: 2.8 magdef=1
A273A 0.66 81.1 Pg 09:05:25.832 0.2 T__ 382.6 --- ML 2.4 1411877 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=1
KOGS 0.77 325.2 Pg 09:05:27.349 -0.2 T__ 360.6 --- ML 2.5 1411871 FDSN SL -- BUD iLoc BHZ BHZ _
KOGS 0.77 325.2 Sn 09:05:40.241 0.0 T__ --- 1411879 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=1
A263A 0.88 19.7 Pg 09:05:30.053 0.4 T__ 560.1 --- ML 2.7 1411873 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.7 magdef=1
(Station ML: 2.7 magdef=1
A265A 0.88 45.9 Pg 09:05:29.968 0.3 T__ 662.2 --- ML 2.8 1411872 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.8 magdef=1
(Station ML: 2.8 magdef=0
KOVH 0.89 71.9 Lg 09:05:41.795 0.2 T__ --- 1411880 FDSN HU -- BUD iLoc HHN ??? _
CRES 1.00 271.0 Pg 09:05:32.150 0.8 T__ 109.4 --- ML 2.1 1411874 FDSN SL -- BUD iLoc BHZ BHZ _
CRES 1.00 271.0 Sn 09:05:46.256 -0.2 T__ --- 1411881 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=0
A262A 1.08 346.8 Pn 09:05:33.287 0.5 T__ 297.8 --- ML 2.6 1411882 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.6 magdef=1
(Station ML: 2.6 magdef=1
BLY 1.09 168.8 Sn 09:05:49.829 1.4 T__ --- 1411883 FDSN MN -- BUD iLoc HHN ??? _

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A266A	1.19	53.1	Lg	09:05:51.471	0.3	T__									1411884	FDSN	Z6	00	BUD	iLoc	HNN	???	_
MORH	1.29	71.4	Lg	09:05:53.985	-0.1	T__									1411885	FDSN	HU	--	BUD	iLoc	HNN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/12	09:05:53.04	1.39	1.49	47.3883	18.3007	13.7	3.2	122	0.0f		8	6	105	0.04	1.20	sx	BUD	19005156	BUD			164

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.04	227.3	Pg	09:05:54.740	0.3					T__		5726.2		---	ML	2.2	1411921	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.04	227.3	Lg	09:05:55.911	-0.2					T__				---		1411920	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
HU09A	0.26	12.4	Pg	09:05:59.130	0.5					T__		425.6		---	ML	1.6	1411922	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU09A	0.26	12.4	Lg	09:06:02.643	-0.9					T__				---		1411927	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
HU08A	0.26	279.7	Lg	09:06:03.387	-0.2					T__				---		1411926	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
MORH	1.20	168.5	Sn	09:06:31.117	-2.6					T__				---		1411923	FDSN	HU	--	BUD	iLoc	HNN	???	_	
PSZ	1.20	63.2	Sn	09:06:33.034	-1.6					T__				---		1411925	FDSN	GE	--	BUD	iLoc	HNN	???	_	
MODS	1.20	325.4	Sn	09:06:33.940	-0.7					T__				---		1411924	FDSN	SK	--	BUD	iLoc	HNN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/12	12:32:08.52	2.24	0.43	45.6492	16.9780	16.8	11.5	167	8.0f		5	4	219	0.83	1.08	ke	BUD	19005160	BUD			289

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BEHE	0.83	350.3	Lg	12:32:36.259	0.2					T__				---		1412287	FDSN	HU	--	BUD	iLoc	HNN	???	_	
KOVH	0.90	60.3	Lg	12:32:37.835	-0.1					T__				---		1412288	FDSN	HU	--	BUD	iLoc	HNN	???	_	
KOGS	0.95	327.9	Lg	12:32:38.902	-0.3					T__				---		1412290	FDSN	SL	--	BUD	iLoc	BHN	???	_	
CRES	1.08	280.0	Pg	12:32:28.733	0.0					T__		43.9		---	ML	1.7	1412289	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	1.08	280.0	Sn	12:32:45.234	0.5					T__				---		1412291	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=0)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/12	12:55:33.57	3.05	0.19	45.6910	16.9079	20.8	10.7	179	8.0f		5	4	214	0.78	1.02	ke	BUD	19005162	BUD			284

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BEHE	0.78	353.3	Pg	12:55:49.066	0.1					T__		247.6		---	ML	2.3	1412307	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BEHE	0.78	353.3	Lg	12:55:59.414	-0.2					T__				---		1412306	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=0)																									
KOGS	0.88	329.1	Lg	12:56:02.384	0.1					T__				---		1412309	FDSN	SL	--	BUD	iLoc	BHN	???	_	
KOVH	0.92	64.1	Lg	12:56:03.630	-0.1					T__				---		1412308	FDSN	HU	--	BUD	iLoc	HNN	???	_	
CRES	1.02	278.1	Lg	12:56:08.090	-0.2					T__				---		1412310	FDSN	SL	--	BUD	iLoc	BHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/13	07:19:13.58	1.36	0.41	48.0653	20.6695	7.7	5.1	171	0.0f	9	7	195	0.11	0.54	sx	BUD	19005168	BUD				265
2023/10/13	07:19:13.20	0.96	0.43	48.0471	20.6805f				0.0f	9	7	200	0.13	0.54	kx	BUD_GT	19005169	BUD_GT				268

(locality: Miskolc-Mexikóvölgy Hungary)  
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.1	6 BUD_GT	19005169

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU02A	0.13	305.8	Pg	07:19:16.171	-0.3					T__		755.4		___	ML	1.5	1413682	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.13	305.8	Lg	07:19:18.917	-0.3					T__				___		1413683	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=1)																									
CP17A	0.21	326.7	Pg	07:19:17.640	-0.0					T__		325.6		___	ML	1.4	1413684	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.21	326.7	Lg	07:19:20.322	-0.8					T__				___		1413685	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1 Station ML: 1.4 magdef=0)																									
CP16A	0.31	342.4	Lg	07:19:24.943	0.4					T__				___		1413686	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ABAH	0.45	56.1	Pg	07:19:22.643	0.2					T__		108.0		___	ML	1.6	1413689	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1 Station ML: 1.6 magdef=1)																									
KECS	0.46	343.5	Pg	07:19:22.771	0.3					T__		386.8		___	ML	2.2	1413687	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Reading ML: 2.2 magdef=1 Station ML: 2.2 magdef=0)																									
JOS	0.46	348.2	Pg	07:19:22.601	0.1					T__		65.7		___	ML	1.4	1413688	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.4 magdef=1 Station ML: 1.4 magdef=1)																									
PSZ	0.54	256.6	Pg	07:19:25.603	0.6					T__		65.8		___	ML	1.6	1413690	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1 Station ML: 1.6 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/13	07:52:33.24	1.48	0.82	48.3876	17.3425	12.2	4.3	135	0.0f	6	5	201	0.05	1.05	sx	BUD	19005170	BUD				253

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.3	3 BUD	19005170

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
MODS	0.05	252.1	Pg	07:52:35.120	0.3					T__				_c_		1413718	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.05	252.1	Lg	07:52:35.360	-1.1					T__				___		1413721	FDSN	SK	--	BUD	iLoc	HHE	???	_	
JAVC	0.52	24.7	Pg	07:52:44.127	-0.0					T__		98.6		___	ML	1.7	1413719	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=1)																									
KRUC	0.92	317.4	Pg	07:52:51.217	0.3					T__		83.7		___	ML	1.9	1413720	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=1)																									
RONA	0.98	226.0	Pg	07:52:53.197	0.4					T__				___		1413722	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
VRAC	1.05	332.0	Pg	07:52:53.691	0.6					T__		21.8		___	ML	1.4	1413723	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_

(Reading ML: 1.4 magdef=1  
 (Station ML: 1.4 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/13	08:03:11.39	1.22	1.56	48.8984	21.5993	13.6	4.0	157	0.0f		11	6	204	0.45	1.06	sx	BUD	19005172	BUD			320

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.1	4 BUD	19005172

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOLS	0.45	85.3	Pg	08:03:20.998	0.9					T__						1413755	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.45	85.3	Lg	08:03:25.086	-2.4					T__						1413756	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ABAH	0.65	201.7	Pg	08:03:25.554	1.2					T__		101.6			ML	1.9	1413757	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.65	201.7	Lg	08:03:33.006	-2.1					T__						1413758	FDSN	HU	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.9 magdef=1  
 (Station ML: 1.9 magdef=1

JOS	0.81	240.5	Pg	08:03:28.083	0.7					T__		111.7			ML	2.0	1413754	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.81	240.5	Lg	08:03:38.239	-1.2					T__						1413760	FDSN	Z6	--	BUD	iLoc	HHN	???	_	

(Reading ML: 2.0 magdef=1  
 (Station ML: 2.0 magdef=1

KECS	0.85	241.0	Pg	08:03:28.807	0.6					T__		555.5			ML	2.7	1413753	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.85	241.0	Lg	08:03:39.751	-1.0					T__						1413752	FDSN	SK	--	BUD	iLoc	EHN	???	_	

(Reading ML: 2.7 magdef=1  
 (Station ML: 2.7 magdef=1

CP16A	0.90	232.0	Lg	08:03:41.738	-0.8					T__						1413759	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	1.06	223.0	Pn	08:03:31.799	-0.7					T__		71.8			ML	1.9	1413751	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.06	223.0	Lg	08:03:46.937	-1.5					T__						1413761	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

(Reading ML: 1.9 magdef=1  
 (Station ML: 1.9 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/13	08:04:10.03	1.28	0.65	48.7344	20.7851	7.6	6.7	129	0.0f		7	5	170	0.29	0.76	sx	BUD	19005174	BUD			286

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.3	4 BUD	19005174

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.29	214.4	Pg	08:04:16.352	0.4					T__		96.4			ML	1.1	1413787	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.29	214.4	Lg	08:04:20.035	-0.5					T__						1413792	FDSN	Z6	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.1 magdef=1  
 (Station ML: 1.1 magdef=1

KECS	0.32	218.4	Pg	08:04:16.777	0.2					T__		557.7			ML	1.9	1413788	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.32	218.4	Lg	08:04:20.716	-0.9					T__						1413793	FDSN	SK	--	BUD	iLoc	EHN	???	_	

(Reading ML: 1.9 magdef=1  
 (Station ML: 1.9 magdef=1

CP16A	0.43	202.6	Pg	08:04:19.268	0.6					T__		104.2			ML	1.5	1413789	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
-------	------	-------	----	--------------	-----	--	--	--	--	-----	--	-------	--	--	----	-----	---------	------	----	----	-----	------	-----	-----	---

(Reading ML: 1.5 magdef=1  
 (Station ML: 1.5 magdef=1

ABAH	0.53	145.3	Pg	08:04:20.887	0.1					T__		112.6			ML	1.8	1413790	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
------	------	-------	----	--------------	-----	--	--	--	--	-----	--	-------	--	--	----	-----	---------	------	----	----	-----	------	-----	-----	---

(Reading ML: 1.8 magdef=1

(Station ML: 1.8 magdef=1  
 NIE 0.76 335.2 Lg 08:04:34.705 -0.4 T\_\_ --- 1413791 FDSN PL -- BUD iLoc BHN ??? \_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/10/13 08:23:38.48 1.41 1.08 48.5440 17.6030 12.0 3.4 117 0.0f 9 7 218 0.28 1.32 sx BUD 19005176 BUD 228

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
MODS	0.28	231.9	Pg	08:23:44.648	0.1					T__						1413818	FDSN	SK	--	BUD	iLoc	HHZ	???	_		
MODS	0.28	231.9	Lg	08:23:47.352	-2.1					T__						1413819	FDSN	SK	--	BUD	iLoc	HHN	???	_		
JAVC	0.32	8.1	Pg	08:23:45.606	0.2					T__	182.6			ML	1.4	1413820	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_		
JAVC	0.32	8.1	Lg	08:23:50.476	-0.4					T__						1413821	FDSN	CZ	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.4 magdef=1 (Station ML: 1.4 magdef=0)																										
KRUC	0.95	303.4	Lg	08:24:10.916	0.2					T__						1413822	FDSN	CZ	--	BUD	iLoc	HHN	???	_		
VRAC	1.01	319.3	Lg	08:24:12.449	-0.1					T__						1413823	FDSN	CZ	--	BUD	iLoc	HHN	???	_		
RONA	1.22	226.5	Lg	08:24:19.518	1.2					T__						1413824	FDSN	OE	--	BUD	iLoc	HHN	???	_		
MORC	1.23	358.2	Lg	08:24:18.070	-0.6					T__						1413825	FDSN	CZ	--	BUD	iLoc	HHN	???	_		
CONA	1.32	242.8	Lg	08:24:22.073	0.7					T__						1413826	FDSN	OE	--	BUD	iLoc	HHN	???	_		

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/10/13 08:53:35.40 1.26 1.34 47.2004 18.2022 9.7 6.8 117 0.0f 4 3 149 0.17 1.03 sx BUD 19005178 BUD 256

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
CSKK	0.17	13.7	Pg	08:53:39.858	0.5					T__		296.4		ML	1.2	1413841	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
CSKK	0.17	13.7	Lg	08:53:41.987	-1.0					T__						1413840	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.2 magdef=1 (Station ML: 1.2 magdef=0)																										
MPLH	0.45	266.4	Lg	08:53:51.781	-0.4					T__						1413842	FDSN	HU	--	BUD	iLoc	HHN	???	_		
MORH	1.03	162.7	Lg	08:54:10.432	-0.6					T__						1413843	FDSN	HU	--	BUD	iLoc	HHN	???	_		

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/10/13 09:46:51.08 1.40 1.52 47.0914 18.0638 9.1 5.1 106 0.0f 6 5 152 0.22 1.00 sx BUD 19005180 BUD 194

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
TIH	0.22	211.5	Lg	09:47:01.406	1.3					T__						1414083	FDSN	HU	--	BUD	iLoc	HHN	???	_		
CSKK	0.30	26.2	Lg	09:47:02.909	-0.5					T__						1414086	FDSN	HU	--	BUD	iLoc	HHN	???	_		
HU08A	0.35	344.4	Lg	09:47:06.309	1.4					T__						1414082	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
MPLH	0.37	282.6	Pg	09:46:58.892	-0.1					T__	191.1			ML	1.6	1414085	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
MPLH	0.37	282.6	Lg	09:47:03.747	-1.3					T__						1414084	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=0)																										
KOVH	1.00	178.6	Lg	09:47:24.911	-1.2					T__						1414081	FDSN	HU	--	BUD	iLoc	HHN	???	_		



Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/13	10:05:37.35	1.13	0.40	47.6545	16.3834	10.2	3.7	8	0.0f	7	4	159	0.07	0.71	sx	BUD	19005182	BUD				287

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.4	3 BUD	19005182

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.07	307.6	Pg	10:05:38.899	-0.3					T__						1414551	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.07	307.6	Lg	10:05:41.178	0.5					T__						1414552	FDSN	OE	--	BUD	iLoc	HHN	???	_	
SOP	0.12	76.2	Pg	10:05:39.900	-0.3					T__	283.9				ML	1.1	1414554	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.12	76.2	Lg	10:05:42.753	0.5					T__						1414553	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
CONA	0.45	308.1	Pg	10:05:46.224	-0.1					T__	102.3				ML	1.5	1414549	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.45	308.1	Lg	10:05:52.505	0.2					T__						1414550	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
ARSA	0.71	235.6	Pg	10:05:51.014	-0.1					T__	90.3				ML	1.9	1414555	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/13	17:34:01.83	2.03	1.01	45.7322	16.8988	15.1	8.7	163	8.0f	6	5	209	0.67	1.01	ke	BUD	19005184	BUD				282

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PTJ	0.67	285.4	Lg	17:34:23.953	-1.1					T__						1414595	FDSN	CR	--	BUD	iLoc	BHN	???	_	
BEHE	0.74	353.4	Lg	17:34:26.763	0.2					T__						1414594	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOGS	0.85	328.0	Lg	17:34:29.063	-0.3					T__						1414597	FDSN	SL	--	BUD	iLoc	BHN	???	_	
KOVH	0.91	66.6	Lg	17:34:30.766	-0.8					T__						1414596	FDSN	HU	--	BUD	iLoc	HHN	???	_	
CRES	1.01	275.8	Pg	17:34:21.504	0.6					T__	36.9				ML	1.6	1414599	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	1.01	275.8	Lg	17:34:35.280	-0.8					T__						1414598	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=0)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/14	21:01:28.29	1.13	0.99	45.8211	16.9250	12.0	3.9	168	12.0f	21	18	189	0.42	1.79	ke	BUD	19005188	BUD				199

Magnitude	Err	Nsta	Author	OrigID
ML	2.3	0.2	15 BUD	19005188

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
A264A	0.42	36.8	Pg	21:01:36.858	-0.2					T__	262.0				ML	1.9	1417314	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A264A	0.42	36.8	Lg	21:01:43.171	0.2					T__						1417315	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=0)																									
A273A	0.63	81.0	Pg	21:01:41.203	0.4					T__	380.9				ML	2.4	1417316	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.4 magdef=1)																									

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(Station ML: 2.4 magdef=1
ZAG 0.66 270.8 Pg 21:01:41.216 0.3 T__ 928.3 ___ ML 2.8 1417317 FDSN CR -- BUD iLoc BHZ BHZ _
ZAG 0.66 270.8 Lg 21:01:50.340 0.0 T__ ___ 1417329 FDSN CR -- BUD iLoc BHN ??? _
(Reading ML: 2.8 magdef=1
(Station ML: 2.8 magdef=0
BEHE 0.66 351.0 Pn 21:01:42.888 0.4 T__ 345.6 ___ ML 2.4 1417319 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=1
PTJ 0.67 277.7 Pg 21:01:41.084 -0.4 T__ 184.8 ___ ML 2.1 1417318 FDSN CR -- BUD iLoc BHZ BHZ _
PTJ 0.67 277.7 Lg 21:01:50.463 -0.9 T__ ___ 1417330 FDSN CR -- BUD iLoc BHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
KOGS 0.78 323.4 Pg 21:01:43.371 0.1 T__ 176.8 ___ ML 2.2 1417322 FDSN SL -- BUD iLoc BHZ BHZ _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
A265A 0.85 44.8 Pn 21:01:44.829 -0.1 T__ 517.2 ___ ML 2.7 1417321 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.7 magdef=1
(Station ML: 2.7 magdef=0
KOVH 0.86 71.5 Pn 21:01:43.790 -1.2 T__ 176.5 ___ ML 2.2 1417320 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
A263A 0.86 18.1 Pn 21:01:44.903 -0.2 T__ 270.7 ___ ML 2.4 1417323 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=1
CRES 1.03 270.8 Pg 21:01:47.580 0.3 T__ 94.6 ___ ML 2.0 1417324 FDSN SL -- BUD iLoc BHZ BHZ _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=0
BADH 1.06 20.9 Pn 21:01:48.721 1.0 T__ 154.3 ___ ML 2.3 1417325 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=1
A262A 1.08 345.4 Pn 21:01:49.054 0.8 T__ 129.0 ___ ML 2.2 1417326 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
A266A 1.17 52.4 Pg 21:01:51.291 0.4 T__ 267.6 ___ ML 2.6 1417328 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.6 magdef=1
(Station ML: 2.6 magdef=0
MORH 1.26 71.2 Pn 21:01:50.335 -0.1 T__ 66.6 ___ ML 2.0 1417327 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=0
A267A 1.56 43.2 Lg 21:02:19.903 -1.5 T__ ___ 1417331 FDSN Z6 00 BUD iLoc HHN ??? _
A272A 1.69 56.1 Lg 21:02:23.747 -2.4 T__ ___ 1417332 FDSN Z6 00 BUD iLoc HHN ??? _
ARSA 1.73 326.4 Lg 21:02:21.794 -0.6 T__ ___ 1417333 FDSN OE -- BUD iLoc HHN ??? _
OBKA 1.79 293.5 Pg 21:02:02.650 2.1 T__ 90.6 ___ ML 2.5 1417334 FDSN OE -- BUD iLoc HHZ HHZ _
(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/16 04:23:29.58 0.28 0.76 47.3013 17.4559 2.7 2.6 65 6.4 3.2 38 34 43 0.14 3.70 ke BUD 19005204 BUD 58

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Magnitude Err Nsta Author OrigID
ML 2.8 0.2 33 BUD 19005204

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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MPLH	0.14	156.5	Pg	04:23:32.878	-0.1					T__		12538.2		_c_	ML	2.8	1424501	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.14	156.5	Lg	04:23:35.050	-0.6					T__				---		1424502	FDSN	HU	--	BUD	iLoc	HHN	???	_	
			(Reading ML: 2.8 magdef=1																						
			(Station ML: 2.8 magdef=1																						
EGYH	0.14	324.0	Pg	04:23:34.412	1.5					T__		7948.1		---	ML	2.6	1424496	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
EGYH	0.14	324.0	Lg	04:23:37.554	2.0					T__				---		1424503	FDSN	HU	--	BUD	iLoc	HHN	???	_	
			(Reading ML: 2.6 magdef=1																						
			(Station ML: 2.6 magdef=1																						
HU08A	0.34	67.6	Pg	04:23:36.495	-0.2					T__		2039.0		---	ML	2.6	1424505	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU08A	0.34	67.6	Lg	04:23:41.814	-0.5					T__				---		1424504	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
			(Reading ML: 2.6 magdef=1																						
			(Station ML: 2.6 magdef=0																						
A261A	0.41	211.1	Pg	04:23:37.375	-0.6					T__		2208.0		---	ML	2.8	1424506	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 2.8 magdef=1																						
			(Station ML: 2.8 magdef=1																						
TIH	0.50	143.2	Pg	04:23:39.985	0.3					T__		5033.6		---	ML	3.4	1424497	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 3.4 magdef=1																						
			(Station ML: 3.4 magdef=0																						
A260A	0.51	268.3	Pg	04:23:40.029	0.1					T__		2143.4		---	ML	3.1	1424508	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 3.1 magdef=1																						
			(Station ML: 3.1 magdef=1																						
CSKK	0.55	83.3	Pg	04:23:40.273	-0.4					T__		1310.7		---	ML	2.9	1424507	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.55	83.3	Lg	04:23:48.094	-1.6					T__				---		1424500	FDSN	HU	--	BUD	iLoc	HHE	???	_	
			(Reading ML: 2.9 magdef=1																						
			(Station ML: 2.9 magdef=1																						
A263A	0.67	188.4	Pg	04:23:43.058	0.1					T__		1490.6		---	ML	3.0	1424509	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 3.0 magdef=1																						
			(Station ML: 3.0 magdef=1																						
HU09A	0.71	61.4	Pg	04:23:43.755	-0.0					T__		2586.5		---	ML	3.3	1424510	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 3.3 magdef=1																						
			(Station ML: 3.3 magdef=0																						
SOP	0.72	302.5	Pg	04:23:43.334	-0.5					T__		1086.8		---	ML	2.9	1424511	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 2.9 magdef=1																						
			(Station ML: 2.9 magdef=1																						
A262A	0.77	235.8	Pg	04:23:44.960	0.1					T__		1555.8		---	ML	3.1	1424512	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 3.1 magdef=1																						
			(Station ML: 3.1 magdef=0																						
SR0	0.77	48.3	Pg	04:23:44.900	-0.1					T__		10224.4		---	ML	3.9	1424513	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
			(Reading ML: 3.9 magdef=1																						
			(Station ML: 3.9 magdef=0																						
RONA	0.88	297.3	Pg	04:23:46.233	-0.9					T__		510.5		---	ML	2.7	1424498	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 2.7 magdef=1																						
			(Station ML: 2.7 magdef=1																						
A265A	0.91	165.0	Pg	04:23:48.395	0.9					T__		1168.7		---	ML	3.1	1424514	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 3.1 magdef=1																						
			(Station ML: 3.1 magdef=0																						
BEHE	0.95	209.6	Pg	04:23:48.543	0.2					T__		1008.7		---	ML	3.0	1424499	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 3.0 magdef=1																						
			(Station ML: 3.0 magdef=1																						
A266A	0.95	144.2	Pg	04:23:48.658	0.3					T__		1047.2		---	ML	3.1	1424515	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 3.1 magdef=1																						
			(Station ML: 3.1 magdef=1																						

MODS	1.08	353.7	Pn	04:23:49.906	-0.4	T__		---	1424516	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOGS	1.19	224.5	Pn	04:23:51.277	-0.4	T__	270.6	---	ML	2.6	1424518	FDSN	SL	--	BUD	iLoc	BHZ BHZ _
	(Reading ML: 2.6 magdef=1)																
	(Station ML: 2.6 magdef=1)																
HU10A	1.19	62.2	Pg	04:23:52.360	-0.8	T__	404.6	---	ML	2.8	1424517	FDSN	Z6	00	BUD	iLoc	HHZ HHZ _
	(Reading ML: 2.8 magdef=1)																
	(Station ML: 2.8 magdef=1)																
CONA	1.25	300.8	Pn	04:23:52.205	-0.6	T__	229.6	---	ML	2.6	1424519	FDSN	OE	--	BUD	iLoc	HHZ HHZ _
	(Reading ML: 2.6 magdef=1)																
	(Station ML: 2.6 magdef=0)																
MORH	1.36	142.7	Pn	04:23:53.637	0.1	T__	115.0	---	ML	2.3	1424520	FDSN	HU	--	BUD	iLoc	HHZ HHZ _
	(Reading ML: 2.3 magdef=1)																
	(Station ML: 2.3 magdef=0)																
JAVC	1.57	5.2	Pn	04:23:57.694	0.5	T__	207.4	---	ML	2.7	1424521	FDSN	CZ	--	BUD	iLoc	HHZ HHZ _
	(Reading ML: 2.7 magdef=1)																
	(Station ML: 2.7 magdef=1)																
PTJ	1.73	216.9	Pn	04:23:58.740	-0.8	T__	132.8	---	ML	2.6	1424522	FDSN	CR	--	BUD	iLoc	BHZ BHZ _
	(Reading ML: 2.6 magdef=1)																
	(Station ML: 2.6 magdef=1)																
KRUC	1.90	338.4	Pn	04:24:01.110	-0.5	T__	96.9	---	ML	2.5	1424523	FDSN	CZ	--	BUD	iLoc	HHZ HHZ _
	(Reading ML: 2.5 magdef=1)																
	(Station ML: 2.5 magdef=0)																
CHES	2.02	223.8	Pn	04:24:02.671	-0.8	T__	118.3	---	ML	2.7	1424524	FDSN	SL	--	BUD	iLoc	BHZ BHZ _
	(Reading ML: 2.7 magdef=1)																
	(Station ML: 2.7 magdef=1)																
VRAC	2.09	344.3	Pn	04:24:03.937	-0.3	T__	19.7	---	ML	2.0	1424525	FDSN	CZ	--	BUD	iLoc	HHZ HHZ _
	(Reading ML: 2.0 magdef=1)																
	(Station ML: 2.0 magdef=0)																
OBKA	2.14	249.4	Pn	04:24:05.755	0.3	T__	124.9	---	ML	2.8	1424526	FDSN	OE	--	BUD	iLoc	HHZ HHZ _
	(Reading ML: 2.8 magdef=1)																
	(Station ML: 2.8 magdef=1)																
JOS	2.39	58.9	Pn	04:24:08.513	0.3	T__	47.3	---	ML	2.5	1424527	FDSN	Z6	--	BUD	iLoc	HHZ HHZ _
	(Reading ML: 2.5 magdef=1)																
	(Station ML: 2.5 magdef=0)																
MORC	2.48	1.3	Pn	04:24:10.003	0.3	T__	69.7	---	ML	2.7	1424528	FDSN	CZ	--	BUD	iLoc	HHZ HHZ _
	(Reading ML: 2.7 magdef=1)																
	(Station ML: 2.7 magdef=1)																
BLY	2.56	184.3	Pn	04:24:11.271	0.5	T__	122.3	---	ML	3.0	1424529	FDSN	MN	--	BUD	iLoc	HHZ HHZ _
	(Reading ML: 3.0 magdef=1)																
	(Station ML: 3.0 magdef=1)																
FRGS	2.70	141.8	Pn	04:24:13.127	0.8	T__	64.7	---	ML	2.8	1424530	FDSN	SJ	--	BUD	iLoc	BHZ BHZ _
	(Reading ML: 2.8 magdef=1)																
	(Station ML: 2.8 magdef=1)																
ABAH	2.74	67.3	Pn	04:24:14.648	1.8	T__	88.9	---	ML	3.0	1424531	FDSN	HU	--	BUD	iLoc	HHZ HHZ _
	(Reading ML: 3.0 magdef=1)																
	(Station ML: 3.0 magdef=1)																
BZS	3.33	118.8	Pn	04:24:21.648	0.3	T__	35.1	---	ML	2.9	1424532	FDSN	RO	--	BUD	iLoc	HHZ HHZ _
	(Reading ML: 2.9 magdef=1)																
	(Station ML: 2.9 magdef=1)																
BBLS	3.70	157.6	Pn	04:24:26.885	0.2	T__	98.9	---	ML	3.5	1424533	FDSN	SJ	--	BUD	iLoc	BHZ BHZ _
	(Reading ML: 3.5 magdef=1)																
	(Station ML: 3.5 magdef=0)																

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/16	08:07:37.48	3.19	1.96	46.1063	18.1004	26.8	3.8	116	0.0f	5	3	159	0.02	1.13	sx	BUD	19005206	BUD				266

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOVH	0.02	181.1	Pg	08:07:38.563	0.3					T__		756.6		___	ML	1.2	1425458	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.02	181.1	Lg	08:07:38.821	-0.5					T__				___		1425461	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
MORH	0.39	73.8	Pg	08:07:45.940	0.1					T__		46.1		___	ML	1.1	1425459	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.39	73.8	Lg	08:07:52.187	-0.1					T__				___		1425462	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
MPLH	1.13	340.2	Sn	08:08:13.566	-2.7					T__				___		1425460	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/10/16	08:39:39.94	2.56	0.69	48.6210	20.8087	19.5	4.7	4	0.0f	8	5	261	0.22	0.53	sx	BUD	19005208	BUD					323

Magnitude Err Nsta Author OrigID  
ML 1.3 0.1 5 BUD 19005208

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.22	235.1	Pg	08:39:44.616	0.1					T__		127.0		___	ML	1.0	1425486	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.22	235.1	Lg	08:39:48.021	-0.0					T__				___		1425491	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=0)																									
KECS	0.26	237.4	Pg	08:39:45.082	-0.1					T__		291.0		___	ML	1.5	1425487	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.26	237.4	Lg	08:39:49.254	-0.0					T__				___		1425492	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=0)																									
CP16A	0.33	212.8	Pg	08:39:47.601	0.9					T__		66.2		___	ML	1.0	1425488	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
ABAH	0.43	138.4	Pg	08:39:49.135	0.3					T__		74.0		___	ML	1.4	1425490	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.43	138.4	Lg	08:39:55.371	-0.9					T__				___		1425493	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
HU02A	0.53	200.9	Pg	08:39:50.395	-0.8					T__		32.7		___	ML	1.3	1425489	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/10/16	11:17:16.89	2.61	0.86	48.6292	19.8709	18.7	7.6	69	0.0f	7	5	240	0.43	0.84	sx	BUD	19005210	BUD					327

Magnitude Err Nsta Author OrigID  
ML 1.4 0.1 3 BUD 19005210

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
-----	------	------	-------	------	------	------	-------	------	------	-----	-----	-----	-----	------	-----------	-------	-----	--------	----	------	-----	-----	-----	---

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KECS 0.43 109.5 Pg 11:17:25.747 0.1 T__ 85.8 ___ ML 1.4 1426419 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.43 109.5 Lg 11:17:33.160 0.8 T__ ___ 1426425 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
JOS 0.46 106.5 Pg 11:17:25.146 -1.1 T__ 48.3 ___ ML 1.3 1426421 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.46 106.5 Lg 11:17:32.998 -0.3 T__ ___ 1426420 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
CP16A 0.53 122.6 Lg 11:17:36.354 0.8 T__ ___ 1426424 FDSN Z6 00 BUD iLoc HHN ??? _
HU02A 0.67 139.1 Pg 11:17:30.688 -0.1 T__ 45.3 ___ ML 1.5 1426422 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
NIE 0.84 19.5 Lg 11:17:45.331 0.7 T__ ___ 1426423 FDSN PL -- BUD iLoc BHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/16 16:11:23.33 1.62 1.22 48.1389 19.6553 11.7 4.3 133 10.0f 9 6 228 0.24 0.69 ke BUD 19005212 BUD 273

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Magnitude Err Nsta Author OrigID
ML 1.4 0.1 4 BUD 19005212

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU03A 0.24 189.0 Pg 16:11:29.276 0.5 T__ 225.8 ___ ML 1.3 1428179 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU03A 0.24 189.0 Lg 16:11:31.823 -0.9 T__ ___ 1428184 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
PSZ 0.27 143.9 Pg 16:11:29.954 0.3 T__ 253.5 ___ ML 1.5 1428178 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.27 143.9 Lg 16:11:33.377 -1.1 T__ ___ 1428185 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
CP17A 0.58 81.7 Lg 16:11:44.062 0.6 T__ ___ 1428186 FDSN Z6 00 BUD iLoc HHN ??? _
HU02A 0.58 91.3 Pg 16:11:36.304 0.8 T__ 35.1 ___ ML 1.4 1428181 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.58 91.3 Lg 16:11:44.484 0.1 T__ ___ 1428180 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
KECS 0.65 57.8 Lg 16:11:43.676 -2.2 T__ ___ 1428182 FDSN SK -- BUD iLoc EHN ??? _
JOS 0.69 58.5 Pn 16:11:38.656 0.9 T__ 39.3 ___ ML 1.5 1428183 FDSN Z6 -- BUD iLoc HHZ HHZ _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/17 06:20:41.96 1.41 1.64 46.0693 22.9116 9.7 8.0 80 0.0f 6 4 146 0.19 1.01 sx BUD 19005216 BUD 251

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Magnitude Err Nsta Author OrigID

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
DEV 0.19 181.8 Pg 06:20:45.138 -0.4 T__ 690.4 ___ ML 1.7 1430718 FDSN R0 -- BUD iLoc HHZ HHZ _
DEV 0.19 181.8 Lg 06:20:48.374 0.2 T__ ___ 1430717 FDSN R0 -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
DRGR 0.74 349.2 Lg 06:21:07.963 -0.7 T__ ___ 1430721 FDSN R0 -- BUD iLoc HHN ??? _

```

```

LOT 0.86 135.7 Pg 06:20:59.787 1.2 T__ 56.8 ___ ML 1.7 1430719 FDSN RO -- BUD iLoc HHZ HHZ _
LOT 0.86 135.7 Lg 06:21:09.070 -2.1 T__ ___ 1430720 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
BZS 1.01 243.9 Lg 06:21:16.990 1.1 T__ ___ 1430722 FDSN RO -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/17 07:18:27.84 1.47 0.98 46.0927 22.8340 13.7 8.1 74 0.0f 4 3 173 0.21 0.97 sx BUD 19005218 BUD 285

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
DEV 0.21 167.0 Pg 07:18:32.256 0.3 T__ 1058.1 ___ ML 1.9 1430738 FDSN RO -- BUD iLoc HHZ HHZ _
DEV 0.21 167.0 Lg 07:18:34.258 -0.7 T__ ___ 1430739 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=0
DRGR 0.70 353.1 Lg 07:18:52.931 -0.5 T__ ___ 1430740 FDSN RO -- BUD iLoc HHN ??? _
BZS 0.97 241.2 Lg 07:19:00.340 -0.2 T__ ___ 1430741 FDSN RO -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/17 07:58:53.79 1.00 1.17 48.3941 19.1184 9.6 3.8 16 0.0f 11 7 165 0.21 1.29 sx BUD 19005220 BUD 264

```

Magnitude Err Nsta Author OrigID  
ML 1.8 0.1 4 BUD 19005220

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
VYHS 0.21 298.1 Pg 07:58:58.690 0.3 T__ 3725.3 ___ ML 2.5 1430770 FDSN SK -- BUD iLoc HHZ HHZ _
VYHS 0.21 298.1 Lg 07:59:01.147 -0.7 T__ ___ 1430771 FDSN SK -- BUD iLoc HHN ??? _
(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=1
PSZ 0.70 132.2 Lg 07:59:19.216 -0.4 T__ ___ 1430772 FDSN GE -- BUD iLoc HHN ??? _
KECS 0.91 83.9 Lg 07:59:25.129 -0.5 T__ ___ 1430773 FDSN SK -- BUD iLoc EHN ??? _
CP16A 0.95 92.6 Lg 07:59:26.295 -0.6 T__ ___ 1430767 FDSN Z6 00 BUD iLoc HHN ??? _
JOS 0.95 83.3 Pg 07:59:13.871 1.2 T__ 46.7 ___ ML 1.7 1430765 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.95 83.3 Lg 07:59:26.380 -0.5 T__ ___ 1430766 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
HU02A 0.98 105.6 Pn 07:59:14.797 1.0 T__ 55.3 ___ ML 1.8 1430768 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.98 105.6 Lg 07:59:26.687 -2.1 T__ ___ 1430774 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
NIE 1.29 36.8 Pn 07:59:19.758 1.4 T__ 31.7 ___ ML 1.7 1430769 FDSN PL -- BUD iLoc BHZ BHZ _
NIE 1.29 36.8 Lg 07:59:35.768 -0.9 T__ ___ 1430775 FDSN PL -- BUD iLoc BHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/17 08:36:57.80 3.64 0.83 48.6105 20.7033 19.1 11.3 30 0.0f 9 6 325 0.16 0.88 sx BUD 19005222 BUD 330

```

Magnitude	Err	Nsta	Author	OrigID
ML	1.2	0.3	3 BUD	19005222

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.16	223.5	Pg	08:37:01.213	0.0					T__		176.3		---	ML	1.0	1431752	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.16	223.5	Lg	08:37:04.481	0.6					T__				---		1431753	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
KECS	0.19	228.7	Pg	08:37:01.756	-0.1					T__		670.5		---	ML	1.7	1431750	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.19	228.7	Lg	08:37:04.886	-0.2					T__				---		1431751	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
CP16A	0.29	202.1	Pg	08:37:04.119	0.4					T__		116.0		---	ML	1.2	1431754	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.29	202.1	Lg	08:37:09.123	0.8					T__				---		1431755	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
CP17A	0.41	198.2	Lg	08:37:11.955	-0.7					T__				---		1431756	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.50	193.7	Lg	08:37:14.957	-1.6					T__				---		1431757	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.88	218.3	Lg	08:37:29.265	-0.2					T__				---		1431758	FDSN	GE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/17	08:50:54.61	3.34	0.34	47.8090	19.6574	23.2	5.2	19	0.0f	6	4	276	0.10	0.91	sx	BUD	19005224	BUD				338

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU03A	0.10	337.7	Pg	08:50:57.105	-0.1					T__		559.3		---	ML	1.3	1431781	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.10	337.7	Lg	08:50:59.745	0.4					T__				---		1431782	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
PSZ	0.19	55.5	Pg	08:50:59.353	0.0					T__		218.7		---	ML	1.2	1431779	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.19	55.5	Lg	08:51:02.962	-0.2					T__				---		1431780	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
HU02A	0.66	61.4	Lg	08:51:19.383	0.3					T__				---		1431783	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
JOS	0.91	40.3	Lg	08:51:26.068	-0.3					T__				---		1431784	FDSN	Z6	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/17	08:54:17.27	0.93	0.87	48.4075	17.3022	6.2	3.1	119	0.0f	9	7	121	0.04	1.08	sx	BUD	19005226	BUD				177

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.04	206.0	Pg	08:54:18.715	0.0					T__				---		1431805	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.04	206.0	Lg	08:54:20.184	-0.0					T__				---		1431807	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.51	28.3	Pg	08:54:28.105	0.0					T__		215.2		---	ML	2.1	1431806	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.51	28.3	Lg	08:54:36.770	0.4					T__				---		1431808	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=0)																									
KRUC	0.89	317.8	Lg	08:54:45.781	-1.7					T__				---		1431809	FDSN	CZ	--	BUD	iLoc	HHN	???	_	



RONA	0.98	224.0	Lg	08:54:49.353	-0.1	T__	---	1431810	FDSN	OE	--	BUD	iLoc	HHN	???	_
VRAC	1.02	332.8	Lg	08:54:52.431	1.0	T__	---	1431811	FDSN	CZ	--	BUD	iLoc	HHN	???	_
VYHS	1.02	84.6	Lg	08:54:52.370	-0.4	T__	---	1431812	FDSN	SK	--	BUD	iLoc	HHN	???	_
CONA	1.08	244.1	Lg	08:54:53.130	0.7	T__	---	1431813	FDSN	OE	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/17	08:58:38.98	3.26	0.65	48.6444	21.4397	19.5	8.6	46	0.0f	10	6	304	0.37	0.80	sx	BUD	19005228	BUD				333

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.1	5 BUD	19005228

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.37	201.0	Pg	08:58:46.692	0.0					T__		159.9		---	ML	1.5	1431843	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.37	201.0	Lg	08:58:53.207	-0.0					T__				---		1431844	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=0)																									
JOS	0.62	256.4	Pg	08:58:51.206	-0.1					T__		88.8		---	ML	1.8	1431838	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=1)																									
KECS	0.65	256.1	Pg	08:58:52.079	0.0					T__		209.2		---	ML	2.2	1431837	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.65	256.1	Lg	08:59:01.469	-0.4					T__				---		1431845	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.2 magdef=1 Station ML: 2.2 magdef=0)																									
CP16A	0.67	243.5	Lg	08:59:02.597	0.1					T__				---		1431846	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP17A	0.75	235.8	Pg	08:58:54.783	0.6					T__		144.2		---	ML	2.1	1431840	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.75	235.8	Lg	08:59:06.238	0.8					T__				---		1431839	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1 Station ML: 2.1 magdef=1)																									
HU02A	0.80	229.7	Pg	08:58:55.358	-0.2					T__		56.3		---	ML	1.7	1431842	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.80	229.7	Lg	08:59:06.728	-1.3					T__				---		1431841	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/17	09:09:15.31	1.66	0.58	48.4202	17.5047	14.9	5.3	124	0.0f	8	6	214	0.16	1.20	sx	BUD	19005230	BUD				262

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.1	4 BUD	19005230

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.16	253.0	Pg	09:09:19.098	-0.0					T__				---		1431890	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.16	253.0	Lg	09:09:21.653	-0.7					T__				---		1431891	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.45	14.0	Pg	09:09:25.209	0.3					T__		134.1		---	ML	1.7	1431893	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.45	14.0	Lg	09:09:31.682	-0.7					T__				---		1431892	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=1)																									
KRUC	0.98	311.6	Pg	09:09:34.279	0.3					T__		56.2		---	ML	1.8	1431894	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=1)																									
VRAC	1.07	326.2	Pg	09:09:36.281	0.7					T__		15.6		---	ML	1.3	1431897	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_

```

(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
RDNA 1.08 228.8 Pg 09:09:37.175 0.4 T__ --- 1431895 FDSN OE -- BUD iLoc HHZ ??? _
CONA 1.20 246.5 Pg 09:09:39.176 0.2 T__ 50.2 --- ML 1.9 1431896 FDSN OE -- BUD iLoc HHZ HHZ _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/17 09:30:26.32 1.23 1.49 47.2421 18.2044 10.1 6.7 122 0.0f 4 3 145 0.13 1.07 sx BUD 19005232 BUD 262

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CSKK 0.13 17.5 Pg 09:30:30.042 0.5 T__ 283.5 --- ML 1.1 1431917 FDSN HU -- BUD iLoc HHZ HHZ _
CSKK 0.13 17.5 Lg 09:30:31.362 -1.2 T__ --- 1431919 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=0
MPLH 0.46 261.2 Lg 09:30:42.827 -0.4 T__ --- 1431920 FDSN HU -- BUD iLoc HHN ??? _
MORH 1.07 163.5 Lg 09:31:02.597 -0.6 T__ --- 1431918 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/17 09:59:58.25 1.18 1.31 48.1190 16.9547 12.3 5.2 136 0.0f 6 5 186 0.33 1.01 sx BUD 19005234 BUD 215

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
MODS 0.33 40.1 Pg 10:00:05.322 -0.2 T__ --- 1431936 FDSN SK -- BUD iLoc HHZ ??? _
MODS 0.33 40.1 Lg 10:00:10.102 -1.2 T__ --- 1431937 FDSN SK -- BUD iLoc HHN ??? _
RDNA 0.61 226.8 Lg 10:00:18.267 -0.4 T__ --- 1431938 FDSN OE -- BUD iLoc HHN ??? _
CONA 0.76 255.8 Lg 10:00:22.838 -0.4 T__ --- 1431939 FDSN OE -- BUD iLoc HHN ??? _
JAVC 0.88 32.5 Pg 10:00:17.959 1.7 T__ 77.4 --- ML 1.9 1431940 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=0
KRUC 1.01 338.7 Lg 10:00:31.979 -0.7 T__ --- 1431941 FDSN CZ -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/17 10:40:06.93 1.62 1.52 47.5490 18.4812 14.5 3.9 98 0.0f 5 3 204 0.11 0.98 sx BUD 19005236 BUD 309
2023/10/17 10:40:07.17 1.00 1.05 47.5600 18.4573f 0.0f 5 3 199 0.09 0.97 kx BUD_GT 19005237 BUD_GT 312

```

(locality: Tatabánya Hungary)  
(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU09A 0.09 327.2 Pg 10:40:10.486 0.9 T__ 841.4 --- ML 1.5 1431960 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU09A 0.09 327.2 Lg 10:40:11.316 -0.6 T__ --- 1431959 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=0
CSKK 0.24 214.2 Pg 10:40:12.828 0.4 T__ 217.1 --- ML 1.3 1431957 FDSN HU -- BUD iLoc HHZ HHZ _

```

```

CSKK 0.24 214.2 Lg 10:40:15.766 -1.3 T__ --- 1431958 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=0
VYHS 0.97 15.1 Lg 10:40:39.869 -1.2 T__ --- 1431961 FDSN SK -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/17 11:00:45.60 0.89 1.94 48.1281 18.9989 4.2 3.4 90 0.0f 13 11 86 0.28 1.18 sx BUD 19005238 BUD 147

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU10A 0.28 177.3 Pg 11:00:52.420 0.7 T__ 227.3 --- ML 1.4 1431988 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU10A 0.28 177.3 Lg 11:00:57.019 0.3 T__ --- 1431987 FDSN Z6 00 BUD iLoc HHE ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
VYHS 0.38 343.5 Pg 11:00:54.123 0.6 T__ 1246.0 --- ML 2.5 1431993 FDSN SK -- BUD iLoc HHZ HHZ _
VYHS 0.38 343.5 Lg 11:01:00.085 0.6 T__ --- 1431992 FDSN SK -- BUD iLoc HHN ??? _
(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=1
HU03A 0.46 118.9 Lg 11:01:03.236 0.6 T__ --- 1431989 FDSN Z6 00 BUD iLoc HHN ??? _
SR0 0.56 235.9 Lg 11:01:04.513 -1.8 T__ --- 1431990 FDSN SK -- BUD iLoc EHN ??? _
PSZ 0.64 108.9 Lg 11:01:08.687 -0.5 T__ --- 1431991 FDSN GE -- BUD iLoc HHN ??? _
HU08A 1.01 226.5 Lg 11:01:20.525 -0.7 T__ --- 1431994 FDSN Z6 00 BUD iLoc HHN ??? _
CP17A 1.02 84.3 Lg 11:01:20.951 -0.7 T__ --- 1431996 FDSN Z6 00 BUD iLoc HHN ??? _
HU02A 1.02 89.8 Sn 11:01:20.014 -2.7 T__ --- 1431995 FDSN Z6 00 BUD iLoc HHN ??? _
KECS 1.05 69.7 Lg 11:01:21.206 -1.6 T__ --- 1431997 FDSN SK -- BUD iLoc EHN ??? _
JOS 1.09 69.7 Lg 11:01:22.398 -1.6 T__ --- 1431998 FDSN Z6 -- BUD iLoc HHN ??? _
MODS 1.18 282.7 Sn 11:01:22.484 -4.3 T__ --- 1431999 FDSN SK -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/17 11:30:49.31 0.91 1.19 48.1296 18.9967 4.6 3.5 87 0.0f 9 7 107 0.28 1.05 sx BUD 19005240 BUD 202

```

Magnitude Err Nsta Author OrigID  
ML 1.6 0.1 3 BUD 19005240

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU10A 0.28 177.0 Pg 11:30:55.991 0.5 T__ 270.4 --- ML 1.5 1432022 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU10A 0.28 177.0 Lg 11:31:00.803 0.3 T__ --- 1432026 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
VYHS 0.38 343.7 Pg 11:30:58.019 0.8 T__ 1105.5 --- ML 2.4 1432027 FDSN SK -- BUD iLoc HHZ HHZ _
VYHS 0.38 343.7 Lg 11:31:02.193 -0.9 T__ --- 1432028 FDSN SK -- BUD iLoc HHN ??? _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=1
SR0 0.56 235.7 Lg 11:31:08.673 -1.3 T__ --- 1432029 FDSN SK -- BUD iLoc EHN ??? _
PSZ 0.64 109.0 Pg 11:31:03.619 0.6 T__ 54.8 --- ML 1.6 1432023 FDSN GE -- BUD iLoc HHZ HHZ _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
HU08A 1.01 226.4 Lg 11:31:24.223 -0.7 T__ --- 1432025 FDSN Z6 00 BUD iLoc HHN ??? _
HU02A 1.02 89.8 Lg 11:31:24.464 -1.9 T__ --- 1432024 FDSN Z6 00 BUD iLoc HHN ??? _

```

CP16A 1.05 77.8 Lg 11:31:25.822 -0.6 T\_\_ --- 1432030 FDSN Z6 00 BUD iLoc HHN ??? \_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/17 19:28:07.19 1.12 0.57 48.9348 21.8095 14.5 7.0 164 10.0f 10 8 153 0.31 1.18 ke BUD 19005242 BUD 274

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
KOLS 0.31 90.1 Pg 19:28:13.371 -0.0 T\_\_ --- 1434002 FDSN SK -- BUD iLoc HHZ ??? \_
ABAH 0.74 210.8 Lg 19:28:33.598 0.9 T\_\_ --- 1434000 FDSN HU -- BUD iLoc HHN ??? \_
JOS 0.95 242.9 Pn 19:28:25.507 -0.1 T\_\_ 41.3 --- ML 1.6 1433995 FDSN Z6 -- BUD iLoc HHZ HHZ \_
JOS 0.95 242.9 Lg 19:28:39.198 0.5 T\_\_ --- 1433994 FDSN Z6 -- BUD iLoc HHN ??? \_
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
KECS 0.99 243.2 Lg 19:28:39.261 -0.7 T\_\_ --- 1433993 FDSN SK -- BUD iLoc EHN ??? \_
CP16A 1.03 235.3 Lg 19:28:40.581 -0.7 T\_\_ --- 1433996 FDSN Z6 00 BUD iLoc HHN ??? \_
NIE 1.10 296.6 Lg 19:28:42.881 0.4 T\_\_ --- 1434001 FDSN PL -- BUD iLoc BHN ??? \_
CP17A 1.12 230.8 Sn 19:28:44.329 0.2 T\_\_ --- 1433997 FDSN Z6 00 BUD iLoc HHN ??? \_
HU02A 1.18 226.9 Pn 19:28:28.573 -0.3 T\_\_ 38.8 --- ML 1.7 1433999 FDSN Z6 00 BUD iLoc HHZ HHZ \_
HU02A 1.18 226.9 Sn 19:28:45.947 -0.2 T\_\_ --- 1433998 FDSN Z6 00 BUD iLoc HHN ??? \_
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/18 07:51:46.98 1.54 0.79 47.9901 20.3331 16.4 4.7 147 0.0f 6 5 212 0.18 0.52 sx BUD 19005246 BUD 327

Magnitude Err Nsta Author OrigID

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU02A 0.18 44.2 Pg 07:51:51.706 0.4 T\_\_ 32.4 --- ML 0.3 1434110 FDSN Z6 00 BUD iLoc HHZ HHZ \_
HU02A 0.18 44.2 Lg 07:51:53.713 -1.2 T\_\_ --- 1434112 FDSN Z6 00 BUD iLoc HHN ??? \_
(Reading ML: 0.3 magdef=1
(Station ML: 0.3 magdef=1
CP17A 0.26 27.4 Lg 07:51:56.762 0.0 T\_\_ --- 1434113 FDSN Z6 00 BUD iLoc HHN ??? \_
PSZ 0.30 256.5 Pg 07:51:54.048 0.1 T\_\_ 53.3 --- ML 0.9 1434111 FDSN GE -- BUD iLoc HHZ HHZ \_
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=1
KECS 0.50 11.6 Lg 07:52:05.021 0.0 T\_\_ --- 1434114 FDSN SK -- BUD iLoc EHN ??? \_
JOS 0.52 15.2 Lg 07:52:05.220 -0.5 T\_\_ --- 1434115 FDSN Z6 -- BUD iLoc HHN ??? \_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/18 08:33:06.17 1.80 0.67 48.3368 19.8448 12.0 5.0 124 0.0f 12 8 199 0.42 1.12 sx BUD 19005248 BUD 260

Magnitude Err Nsta Author OrigID
ML 2.1 0.3 7 BUD 19005248

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
PSZ 0.42 175.4 Pg 08:33:15.404 -0.0 T\_\_ 267.2 --- ML 1.9 1434150 FDSN GE -- BUD iLoc HHZ HHZ \_
PSZ 0.42 175.4 Lg 08:33:22.111 -0.2 T\_\_ --- 1434151 FDSN GE -- BUD iLoc HHN ??? \_

```

(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
KECS 0.45 70.8 Pg 08:33:15.425 0.1 T__ 542.2 ___ ML 2.3 1434146 FDSN SK -- BUD iLoc EHZ EHZ _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=1
CP17A 0.46 104.6 Pg 08:33:15.958 0.3 T__ 322.2 ___ ML 2.1 1434148 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP17A 0.46 104.6 Lg 08:33:22.760 0.0 T__ ___ 1434153 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
CP16A 0.46 89.1 Pg 08:33:16.234 0.6 T__ 690.9 ___ ML 2.4 1434147 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=0
JOS 0.49 70.8 Pg 08:33:15.936 -0.1 T__ 269.5 ___ ML 2.1 1434145 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.49 70.8 Lg 08:33:22.547 -1.0 T__ ___ 1434152 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
HU02A 0.50 115.0 Pg 08:33:16.815 0.0 T__ 126.1 ___ ML 1.8 1434149 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.50 115.0 Lg 08:33:24.363 -0.6 T__ ___ 1434154 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
ABAH 0.93 92.0 Lg 08:33:39.567 0.4 T__ ___ 1434155 FDSN HU -- BUD iLoc HHN ??? _
NIE 1.12 15.3 Pn 08:33:29.742 1.4 T__ ___ ML 1.7 1434156 FDSN PL -- BUD iLoc BHZ BHZ _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=0

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/18 08:46:26.31 1.14 0.85 48.5639 20.7732 6.1 3.9 6 0.0f 12 7 150 0.17 0.91 sx BUD 19005250 BUD 243

```

```

Magnitude Err Nsta Author OrigID
ML 1.5 0.1 5 BUD 19005250

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
JOS 0.17 246.4 Pg 08:46:29.745 -0.2 T__ 476.9 ___ ML 1.5 1434194 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.17 246.4 Lg 08:46:33.227 0.5 T__ ___ 1434199 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
KECS 0.21 247.2 Pg 08:46:30.150 -0.5 T__ 961.1 ___ ML 1.9 1434196 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.21 247.2 Lg 08:46:34.281 0.2 T__ ___ 1434195 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=0
CP16A 0.27 215.1 Pg 08:46:32.784 0.9 T__ 203.7 ___ ML 1.4 1434197 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP16A 0.27 215.1 Lg 08:46:36.095 -0.1 T__ ___ 1434201 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
CP17A 0.39 207.0 Pg 08:46:34.396 0.1 T__ 134.3 ___ ML 1.5 1434204 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP17A 0.39 207.0 Lg 08:46:40.081 -0.2 T__ ___ 1434203 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
ABAH 0.41 130.6 Pg 08:46:35.109 0.4 T__ 74.3 ___ ML 1.3 1434198 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.41 130.6 Lg 08:46:39.995 -1.9 T__ ___ 1434202 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=0

```

PSZ	0.87	222.6	Lg	08:46:56.969	-0.9					T__					1434200	FDSN	GE	--	BUD	iLoc	HHN	???	_
NIE	0.91	340.1	Lg	08:46:57.269	0.8					T__					1434205	FDSN	PL	--	BUD	iLoc	BHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/18	09:15:12.20	1.60	1.65	48.6917	21.5623	15.9	7.0	152	0.0f		7	6	168	0.45	0.90	sx	BUD	19005252	BUD			314

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.45	208.6	Pg	09:15:22.099	0.7					T__		85.0			ML	1.5	1434230	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.45	208.6	Lg	09:15:27.848	-1.3					T__						1434231	FDSN	HU	--	BUD	iLoc	HHE	???	_	
				(Reading ML: 1.5 magdef=1)																					
				(Station ML: 1.5 magdef=0)																					
KOLS	0.53	62.5	Lg	09:15:30.084	-1.1					T__						1434232	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JOS	0.71	254.3	Lg	09:15:37.111	0.2					T__						1434234	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
KECS	0.74	254.1	Lg	09:15:37.239	-0.9					T__						1434235	FDSN	SK	--	BUD	iLoc	EHN	???	_	
CP16A	0.76	243.1	Lg	09:15:38.701	-0.2					T__						1434233	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.90	230.9	Lg	09:15:41.816	-2.6					T__						1434236	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/18	09:46:56.83	1.55	1.26	48.4748	17.5895	12.9	3.8	123	0.0f		9	5	220	0.23	1.28	sx	BUD	19005254	BUD			281

Magnitude Err Nsta Author OrigID  
ML 1.8 0.1 3 BUD 19005254

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.23	244.1	Pg	09:47:01.724	-0.3					T__						1434257	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.23	244.1	Lg	09:47:04.258	-2.0					T__						1434262	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.39	7.9	Pg	09:47:05.024	-0.1					T__		109.6			ML	1.4	1434259	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.39	7.9	Lg	09:47:11.156	-0.5					T__						1434258	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.4 magdef=1)																					
				(Station ML: 1.4 magdef=1)																					
KRUC	0.98	307.1	Pg	09:47:16.213	0.5					T__		58.6			ML	1.8	1434264	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	0.98	307.1	Lg	09:47:30.351	0.2					T__						1434263	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.8 magdef=1)																					
				(Station ML: 1.8 magdef=1)																					
RONA	1.16	228.7	Lg	09:47:36.467	1.5					T__						1434265	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	1.28	245.3	Pn	09:47:22.824	1.2					T__		48.1			ML	1.9	1434261	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	1.28	245.3	Lg	09:47:39.517	1.0					T__						1434260	FDSN	OE	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.9 magdef=1)																					
				(Station ML: 1.9 magdef=1)																					

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/18	10:57:12.78	1.02	0.49	47.8186	21.5550	5.3	4.6	93	7.4	15.0	14	11	87	0.29	1.12	ke	BUD	19005256	BUD			153

Magnitude Err Nsta Author OrigID  
ML 1.9 0.1 8 BUD 19005256

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
-----	------	------	-------	------	------	------	-------	------	------	-----	-----	-----	-----	------	-----------	-------	-----	--------	----	------	-----	-----	-----	---

HU07A	0.29	55.9	Pg	10:57:19.088	0.3	T__	667.0	___	ML	1.9	1434336	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1)																			
(Station ML: 1.9 magdef=1)																			
HU05A	0.39	226.8	Pg	10:57:21.078	0.0	T__	309.2	___	ML	1.9	1434338	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU05A	0.39	226.8	Lg	10:57:27.892	0.3	T__		---			1434339	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1)																			
(Station ML: 1.9 magdef=1)																			
LTVH	0.49	151.5	Pg	10:57:22.762	-0.1	T__	283.4	___	ML	2.1	1434348	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.1 magdef=1)																			
(Station ML: 2.1 magdef=1)																			
ABAH	0.52	336.2	Pg	10:57:23.314	0.1	T__	75.7	_c_	ML	1.6	1434337	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1)																			
(Station ML: 1.6 magdef=0)																			
TRPA	0.73	64.4	Pg	10:57:26.625	-0.3	T__	165.9	___	ML	2.1	1434335	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.1 magdef=1)																			
(Station ML: 2.1 magdef=0)																			
HU02A	0.76	294.1	Pg	10:57:27.849	-0.5	T__	82.6	___	ML	1.8	1434340	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.76	294.1	Lg	10:57:38.527	-0.9	T__		---			1434343	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1)																			
(Station ML: 1.8 magdef=1)																			
HU12A	0.81	218.1	Lg	10:57:41.093	0.2	T__		---			1434345	FDSN	Z6	00	BUD	iLoc	HHN	???	_
CP17A	0.81	300.1	Pg	10:57:28.797	-0.2	T__	104.5	___	ML	2.0	1434341	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.81	300.1	Lg	10:57:40.454	0.1	T__		---			1434344	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.0 magdef=1)																			
(Station ML: 2.0 magdef=1)																			
CP16A	0.86	308.0	Lg	10:57:42.459	0.5	T__		---			1434346	FDSN	Z6	00	BUD	iLoc	HHN	???	_
KECS	0.98	313.3	Lg	10:57:45.595	-0.3	T__		---			1434347	FDSN	SK	--	BUD	iLoc	EHN	???	_
PSZ	1.12	275.7	Pn	10:57:34.460	0.8	T__	66.5	___	ML	1.9	1434342	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1)																			
(Station ML: 1.9 magdef=1)																			

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/18	18:19:21.07	0.98	1.05	47.2412	21.3790	8.6	4.5	163	10.2	24.4	10	7	95	0.35	1.21	ke	BUD	19005262	BUD			145

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.1	3 BUD	19005262

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
HU05A	0.35	332.2	Lg	18:19:35.036	0.6					T__						1434604	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
HU24A	0.36	204.5	Lg	18:19:35.828	1.1					T__						1434605	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
HU12A	0.38	261.4	Pg	18:19:28.967	-0.4					T__	248.8				___	ML	1.8	1434598	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU12A	0.38	261.4	Lg	18:19:35.855	0.5					T__					---		1434600	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																										
(Station ML: 1.8 magdef=1)																										
LTVH	0.38	67.8	Pg	18:19:28.845	-0.3					T__	353.3				___	ML	1.9	1434601	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
LTVH	0.38	67.8	Lg	18:19:36.324	1.1					T__					---		1434602	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																										
(Station ML: 1.9 magdef=1)																										
DRGR	1.02	115.8	Pn	18:19:40.018	-0.1					T__	55.4				___	ML	1.8	1434606	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	1.02	115.8	Lg	18:19:53.314	-1.7					T__					---		1434599	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																										
(Station ML: 1.8 magdef=1)																										

HU02A	1.05	327.1	Sn	18:19:55.260	-0.3	T__	---	1434607	FDSN	Z6	00	BUD	iLoc	HNN	???	_
PSZ	1.21	304.5	Sn	18:19:58.968	-0.5	T__	---	1434603	FDSN	GE	--	BUD	iLoc	HNN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/18	20:35:51.19	1.19	1.38	45.9108	16.0121	7.8	5.6	73	10.0f	7	4	174	0.03	0.56	ke	BUD	19005264	BUD				288

Magnitude	Err	Nsta	Author	OrigID
ML	1.1	0.1	3 BUD	19005264

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PTJ	0.03	263.0	Pg	20:35:52.586	-0.9					T__		427.8		---	ML	1.0	1434631	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.03	263.0	Lg	20:35:53.767	-1.7					T__				---		1434632	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
ZAG	0.09	191.9	Pg	20:35:53.789	0.0					T__		988.0		---	ML	1.5	1434633	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.09	191.9	Lg	20:35:55.226	-0.4					T__				---		1434634	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
CRES	0.40	257.9	Pg	20:36:00.378	1.3					T__		46.7		---	ML	1.1	1434635	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.40	257.9	Lg	20:36:06.074	0.9					T__				---		1434636	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
KOGS	0.56	17.0	Lg	20:36:10.971	1.1					T__				---		1434637	FDSN	SL	--	BUD	iLoc	BHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/19	08:02:21.98	1.44	0.92	48.4901	20.2173	9.0	6.1	108	0.0f	5	4	162	0.21	0.93	sx	BUD	19005268	BUD				247

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.21	88.3	Pg	08:02:26.188	-0.3					T__		90.0		---	ML	0.9	1435029	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.21	88.3	Lg	08:02:29.968	-0.0					T__				---		1435031	FDSN	Z6	--	BUD	iLoc	HNN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=0)																									
HU02A	0.42	150.7	Lg	08:02:38.974	1.0					T__				---		1435030	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
PSZ	0.61	200.8	Lg	08:02:44.303	-0.3					T__				---		1435032	FDSN	GE	--	BUD	iLoc	HNN	???	_	
NIE	0.93	3.3	Lg	08:02:53.451	0.7					T__				---		1435033	FDSN	PL	--	BUD	iLoc	BHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/19	08:35:01.74	1.11	1.32	47.9380	19.2300	19.1	3.6	155	0.0f	7	4	180	0.17	1.04	sx	BUD	19005270	BUD				324

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.1	3 BUD	19005270

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU10A	0.17	236.9	Pg	08:35:05.926	0.3					T__		191.1		---	ML	1.1	1435065	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU10A	0.17	236.9	Lg	08:35:08.587	-0.4					T__				---		1435066	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									



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PSZ 0.45 92.3 Lg 08:35:18.340 -0.6 T__ 1435067 FDSN GE -- BUD iLoc HHN ??? _
HU02A 0.89 77.5 Pg 08:35:21.525 1.4 T__ 44.8 --- ML 1.6 1435061 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.89 77.5 Lg 08:35:32.517 -1.4 T__ --- 1435062 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
JOS 1.04 57.0 Pg 08:35:23.180 0.8 T__ 43.2 --- ML 1.7 1435063 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 1.04 57.0 Lg 08:35:37.131 -1.3 T__ --- 1435064 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/19 08:56:54.19 1.29 0.88 47.2035 18.2588 8.9 6.5 92 0.0f 6 5 164 0.16 1.12 sx BUD 19005272 BUD 209

```

Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CSKK 0.16 0.4 Pg 08:56:58.447 0.4 T__ 455.2 --- ML 1.4 1435103 FDSN HU -- BUD iLoc HHZ HHZ _
CSKK 0.16 0.4 Lg 08:57:00.639 -0.9 T__ --- 1435104 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=0
HU08A 0.32 315.1 Lg 08:57:06.590 -0.3 T__ --- 1435106 FDSN Z6 00 BUD iLoc HHN ??? _
MPLH 0.49 266.4 Lg 08:57:11.995 -0.2 T__ --- 1435107 FDSN HU -- BUD iLoc HHN ??? _
MORH 1.02 164.9 Lg 08:57:29.012 -0.5 T__ --- 1435108 FDSN HU -- BUD iLoc HHN ??? _
KOVH 1.12 185.7 Sn 08:57:32.013 -0.9 T__ --- 1435105 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/20 05:48:16.36 1.14 0.72 47.3019 18.2343 7.1 5.3 101 0.0f 5 4 149 0.06 1.12 sx BUD 19005274 BUD 238

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Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CSKK 0.06 16.2 Pg 05:48:18.662 0.3 T__ 895.1 --- ML 1.4 1436003 FDSN HU -- BUD iLoc HHZ HHZ _
CSKK 0.06 16.2 Lg 05:48:19.556 -0.8 T__ --- 1436004 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=0
HU08A 0.25 301.6 Lg 05:48:26.454 -0.1 T__ --- 1436005 FDSN Z6 00 BUD iLoc HHN ??? _
MPLH 0.49 254.7 Lg 05:48:33.924 -0.4 T__ --- 1436006 FDSN HU -- BUD iLoc HHN ??? _
MORH 1.12 165.3 Lg 05:48:54.691 -0.3 T__ --- 1436007 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/20 07:04:17.91 2.90 0.48 48.0567 20.6227 18.5 7.2 128 0.0f 9 5 261 0.09 0.51 sx BUD 19005276 BUD 322
2023/10/20 07:04:17.24 0.95 0.51 48.0471 20.6805f 0.0f 9 5 268 0.13 0.54 kx BUD_GT 19005277 BUD_GT 317

```

(locality: Miskolc-Mexikóvölgy Hungary)  
(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID  
ML 1.3 0.2 4 BUD\_GT 19005277

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L

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HU02A	0.13	305.8	Pg	07:04:20.365	-0.1	T__	317.1	___	ML	1.2	1436029	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.13	305.8	Lg	07:04:22.217	-1.0	T__		---			1436034	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.2 magdef=1)																			
(Station ML: 1.2 magdef=1)																			
CP17A	0.21	326.7	Pg	07:04:21.855	0.1	T__	346.1	___	ML	1.4	1436030	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.21	326.7	Lg	07:04:25.443	0.3	T__		---			1436036	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.4 magdef=1)																			
(Station ML: 1.4 magdef=1)																			
CP16A	0.31	342.4	Pg	07:04:24.261	0.6	T__	103.8	___	ML	1.2	1436031	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.31	342.4	Lg	07:04:29.009	0.4	T__		---			1436032	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.2 magdef=1)																			
(Station ML: 1.2 magdef=1)																			
JOS	0.46	348.2	Pg	07:04:26.625	0.1	T__	75.3	___	ML	1.5	1436033	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.46	348.2	Lg	07:04:33.140	-0.6	T__		---			1436037	FDSN	Z6	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.5 magdef=1)																			
(Station ML: 1.5 magdef=1)																			
PSZ	0.54	256.6	Lg	07:04:37.436	-0.2	T__		---			1436035	FDSN	GE	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/20	07:06:09.04	1.46	0.18	46.1110	18.1040	13.4	3.5	116	0.0f		6	4	152	0.02	1.13	sx	BUD	19005278	BUD			265

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
KOVH	0.02	187.2	Pg	07:06:10.060	-0.0					T__		2052.8		___	ML	1.7	1436060	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.02	187.2	Lg	07:06:11.381	-0.0					T__				---		1436063	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
MORH	0.39	74.3	Pg	07:06:17.342	0.0					T__		126.2		___	ML	1.5	1436061	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.39	74.3	Lg	07:06:23.603	-0.1					T__				---		1436064	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
A266A	0.43	15.0	Lg	07:06:25.072	-0.0					T__				---		1436065	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	1.13	340.0	Sn	07:06:47.459	-0.3					T__				---		1436062	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/20	07:08:35.68	2.35	1.73	47.4077	18.3249	36.9	5.3	117	0.0f		5	4	145	0.06	1.21	sx	BUD	19005280	BUD			200

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
CSKK	0.06	224.5	Pg	07:08:37.919	0.3					T__		686.5		___	ML	1.3	1436083	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.06	224.5	Lg	07:08:38.962	-0.6					T__				---		1436082	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=0)																									
HU09A	0.23	9.6	Lg	07:08:45.148	-0.3					T__				---		1436084	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	1.18	63.7	Sn	07:09:14.732	-2.0					T__				---		1436086	FDSN	GE	--	BUD	iLoc	HHN	???	_	
MORH	1.21	169.5	Sn	07:09:15.558	-1.2					T__				---		1436085	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/20	07:39:23.31	1.41	0.74	48.3968	17.3539	10.6	3.6	132	0.0f	8	5	221	0.06	1.10	sx	BUD	19005282	BUD				273

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MODS	0.06	245.6	Pg	07:39:24.953	-0.2					T__						1436105	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.06	245.6	Lg	07:39:26.316	-0.6					T__						1436106	FDSN	SK	--	BUD	iLoc	HHN	???	_
JAVC	0.51	24.3	Pg	07:39:34.194	0.2					T__		162.7				1436108	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.51	24.3	Lg	07:39:41.497	-0.7					T__						1436107	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1)																								
(Station ML: 1.9 magdef=1)																								
KRUC	0.92	316.7	Pg	07:39:41.305	0.3					T__		107.6				1436109	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	0.92	316.7	Lg	07:39:54.528	-0.0					T__						1436110	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.0 magdef=1)																								
(Station ML: 2.0 magdef=1)																								
VRAC	1.04	331.5	Lg	07:39:57.955	-0.4					T__						1436111	FDSN	CZ	--	BUD	iLoc	HHN	???	_
CONA	1.10	245.4	Lg	07:40:00.596	1.2					T__						1436112	FDSN	OE	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/20	08:35:03.31	1.28	1.16	47.1326	17.8558	8.1	6.7	163	0.0f	5	4	130	0.22	1.07	sx	BUD	19005286	BUD				230

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MPLH	0.22	280.0	Lg	08:35:12.185	-0.2					T__						1436191	FDSN	HU	--	BUD	iLoc	HHN	???	_
HU08A	0.30	8.8	Lg	08:35:14.400	-1.0					T__						1436192	FDSN	Z6	00	BUD	iLoc	HHN	???	_
CSKK	0.36	49.9	Pg	08:35:11.550	0.6					T__		184.8				1436189	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.36	49.9	Lg	08:35:17.171	-0.4					T__						1436188	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1)																								
(Station ML: 1.6 magdef=0)																								
MORH	1.07	149.1	Lg	08:35:39.017	-1.1					T__						1436190	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/20	08:38:06.32	3.57	0.88	48.5671	19.3543	21.6	8.8	80	0.0f	10	6	276	0.79	1.28	sx	BUD	19005288	BUD				335

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.2	4 BUD	19005288

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
JOS	0.79	94.7	Pg	08:38:21.802	-0.2					T__		77.0				1436218	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.79	94.7	Lg	08:38:34.322	0.4					T__						1436219	FDSN	Z6	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1)																								
(Station ML: 1.8 magdef=1)																								
CP16A	0.82	105.5	Pg	08:38:23.506	0.8					T__		169.0				1436217	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.82	105.5	Lg	08:38:34.790	-0.2					T__						1436221	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.2 magdef=1)																								
(Station ML: 2.2 magdef=1)																								
CP17A	0.85	113.9	Pg	08:38:23.676	0.3					T__		134.4				1436216	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.85	113.9	Lg	08:38:35.642	-0.4					T__						1436222	FDSN	Z6	00	BUD	iLoc	HHN	???	_

```

(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
HU02A 0.90 119.3 Pn      08:38:24.783  -0.5      T__      82.6      ___ ML    1.9 1436215  FDSN Z6      00 BUD  iLoc  HHZ HHZ  _
HU02A 0.90 119.3 Lg      08:38:37.686  -1.0      T__      ___      ___      1436223  FDSN Z6      00 BUD  iLoc  HHN ???  _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
NIE 1.06 35.8 Lg      08:38:41.264  -0.3      T__      ___      ___      1436224  FDSN PL      -- BUD  iLoc  BHN ???  _
ABAH 1.28 101.5 Sn      08:38:51.140  1.7      T__      ___      ___      1436220  FDSN HU      -- BUD  iLoc  HHN ???  _

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Date      Time      Err      RMS Latitude Longitude Smaj Smin Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author      OrigID      Rep  DPdep  Err Sgp
2023/10/20 10:03:00.55  1.33  0.87 47.5013 18.5301 7.8 5.2 126 0.0f  7 6 111 0.17 1.29 sx BUD      19005290  BUD      201
2023/10/20 10:03:01.77  0.98  1.81 47.5600 18.4573f 0.0f  7 6 105 0.09 1.35 kx BUD_GT  19005291  BUD_GT      195
(locality: Tatabánya Hungary)
(GT info : GT2 explosion)

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Magnitude Err Nsta Author      OrigID
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Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
HU09A 0.09 327.2 Pg      10:03:04.982  0.8      T__      1506.9  ___ ML    1.7 1436248  FDSN Z6      00 BUD  iLoc  HHZ HHZ  _
HU09A 0.09 327.2 Lg      10:03:06.706  0.2      T__      ___      ___      1436247  FDSN Z6      00 BUD  iLoc  HHN ???  _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=0
CSKK 0.24 214.2 Lg      10:03:09.855  -1.8      T__      ___      ___      1436250  FDSN HU      -- BUD  iLoc  HHN ???  _
SRO 0.27 339.1 Lg      10:03:14.114  1.4      T__      ___      ___      1436251  FDSN SK      -- BUD  iLoc  EHN ???  _
MPLH 0.74 238.3 Lg      10:03:26.480  -1.2      T__      ___      ___      1436249  FDSN HU      -- BUD  iLoc  HHN ???  _
PSZ 1.03 69.2 Lg      10:03:36.513  -2.6      T__      ___      ___      1436252  FDSN GE      -- BUD  iLoc  HHN ???  _
MORH 1.35 174.5 Sn      10:03:44.007  -2.3      T__      ___      ___      1436253  FDSN HU      -- BUD  iLoc  HHN ???  _

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```

Date      Time      Err      RMS Latitude Longitude Smaj Smin Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author      OrigID      Rep  DPdep  Err Sgp
2023/10/20 19:30:44.94  1.15  0.47 46.1482 20.7531 8.2 5.0 33 5.8 12.8 13 8 82 0.56 1.50 ke BUD      19005292  BUD      150

```

```
Magnitude Err Nsta Author      OrigID
ML      2.3 0.1 7 BUD      19005292
```

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Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
HU14A 0.56 302.9 Pg      19:30:56.848  0.5      T__      505.6  ___ ML    2.5 1436314  FDSN Z6      00 BUD  iLoc  HHZ HHZ  _
(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=0
HU21A 0.73 284.9 Pg      19:30:59.787  0.1      T__      259.1  ___ ML    2.3 1436315  FDSN Z6      00 BUD  iLoc  HHZ HHZ  _
HU21A 0.73 284.9 Lg      19:31:10.566  -0.7      T__      ___      ___      1436316  FDSN Z6      00 BUD  iLoc  HHN ???  _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=1
BZS 0.80 131.1 Pg      19:31:00.670  0.1      T__      90.4   ___ ML    1.9 1436313  FDSN R0      -- BUD  iLoc  HHZ HHZ  _
BZS 0.80 131.1 Lg      19:31:11.763  -0.2      T__      ___      ___      1436317  FDSN R0      -- BUD  iLoc  HHN ???  _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=0
HU24A 0.81 20.0 Pn      19:31:00.763  -0.5      T__      336.2  ___ ML    2.5 1436319  FDSN Z6      00 BUD  iLoc  HHZ HHZ  _
HU24A 0.81 20.0 Lg      19:31:12.607  -0.4      T__      ___      ___      1436318  FDSN Z6      00 BUD  iLoc  HHE ???  _
(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=1

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HU04B	1.13	306.7	Sn	19:31:21.991	0.2	T__								1436320	FDSN	Z6	00	BUD	iLoc	HHN	???	_			
FRGS	1.19	214.1	Pg	19:31:07.763	0.2	T__	131.0							---	ML	2.3	1436321	FDSN	SJ	--	BUD	iLoc	BHZ	BHZ	_
FRGS	1.19	214.1	Sn	19:31:24.115	0.3	T__								---		1436322	FDSN	SJ	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=1)																									
MORH	1.47	273.4	Pn	19:31:11.034	0.7	T__	91.6							---	ML	2.3	1436323	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	1.47	273.4	Pg	19:31:13.339	0.0	T__								---		1436324	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=1)																									
DRGR	1.50	63.9	Pn	19:31:11.561	0.3	T__	81.5							---	ML	2.2	1436312	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/21	13:50:12.40	0.93	0.36	46.3871	17.8974	4.4	3.7	6	10.0f		9	6	123	0.08	0.55	ke	BUD	19005294	BUD			179

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.1	6 BUD	19005294

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
A265A	0.08	298.0	Pg	13:50:14.785	-0.2					T__		1278.4			---	ML	1.6	1436364	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A265A	0.08	298.0	Lg	13:50:16.893	-0.1					T__					---		1436365	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																										
(Station ML: 1.6 magdef=1)																										
A266A	0.29	61.2	Pg	13:50:18.800	0.2					T__		405.7			---	ML	1.7	1436366	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A266A	0.29	61.2	Lg	13:50:23.777	0.5					T__					---		1436367	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																										
(Station ML: 1.7 magdef=1)																										
KOVH	0.33	154.7	Pg	13:50:19.332	-0.1					T__		86.0			---	ML	1.2	1436360	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.33	154.7	Lg	13:50:24.240	-0.1					T__					---		1436361	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																										
(Station ML: 1.2 magdef=0)																										
A273A	0.47	186.9	Pg	13:50:22.255	0.2					T__		523.0			---	ML	2.3	1436368	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.3 magdef=1)																										
(Station ML: 2.3 magdef=0)																										
A264A	0.48	241.9	Pg	13:50:22.366	0.2					T__		295.3			---	ML	2.1	1436363	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.1 magdef=1)																										
(Station ML: 2.1 magdef=1)																										
MORH	0.55	108.1	Pg	13:50:22.752	-0.6					T__		86.5			---	ML	1.7	1436362	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.7 magdef=1)																										
(Station ML: 1.7 magdef=1)																										

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/22	02:36:46.25	1.36	1.45	45.5452	16.0242	11.8	8.5	16	13.0f		12	10	171	0.28	1.95	ke	BUD	19005296	BUD			232

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.4	7 BUD	19005296

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
ZAG	0.28	354.7	Pg	02:36:51.678	-0.6					T__		483.0			---	ML	1.8	1437601	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_

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(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
PTJ 0.36 353.8 Pg 02:36:52.839 -1.2 T__ 112.9 ___ ML 1.4 1437602 FDSN CR -- BUD iLoc BHZ BHZ _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=0
CRES 0.49 305.4 Pg 02:36:55.778 -0.0 T__ 91.1 ___ ML 1.6 1437603 FDSN SL -- BUD iLoc BHZ BHZ _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
KOGS 0.92 9.8 Pg 02:37:04.258 0.8 T__ 80.3 ___ ML 1.9 1437604 FDSN SL -- BUD iLoc BHZ BHZ _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
A264A 1.08 54.8 Pn 02:37:06.784 0.4 T__ 302.4 ___ ML 2.6 1437606 FDSN Z6 00 BUD iLoc HHZ HHZ _
A264A 1.08 54.8 Lg 02:37:21.369 0.6 T__ ___ 1437605 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.6 magdef=1
(Station ML: 2.6 magdef=0
BLY 1.14 133.7 Lg 02:37:20.959 -1.2 T__ ___ 1437607 FDSN MN -- BUD iLoc HHN ??? _
A273A 1.31 72.9 Pn 02:37:09.939 0.5 T__ 206.5 ___ ML 2.5 1437600 FDSN Z6 00 BUD iLoc HHZ HHZ _
A273A 1.31 72.9 Lg 02:37:27.870 0.3 T__ ___ 1437598 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=1
OBKA 1.41 313.7 Lg 02:37:33.083 1.2 T__ ___ 1437608 FDSN OE -- BUD iLoc HHN ??? _
A265A 1.52 53.9 Sn 02:37:34.068 2.5 T__ ___ 1437609 FDSN Z6 00 BUD iLoc HHN ??? _
MORH 1.95 69.0 Pn 02:37:20.716 2.6 T__ ___ ML 2.3 1437599 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/23 11:12:42.27 1.17 0.38 47.9382 16.1190 9.0 4.5 33 0.0f 5 3 144 0.17 1.14 sx BUD 19005300 BUD 257

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CONA 0.17 266.8 Pg 11:12:46.139 0.2 T__ 77.8 ___ ML 0.7 1440580 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.17 266.8 Lg 11:12:48.225 -0.3 T__ ___ 1440581 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 0.7 magdef=1
(Station ML: 0.7 magdef=0
RONA 0.27 153.3 Pg 11:12:48.012 0.2 T__ ___ 1440582 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.27 153.3 Lg 11:12:51.440 -0.3 T__ ___ 1440584 FDSN OE -- BUD iLoc HHN ??? _
KRUC 1.14 9.2 Lg 11:13:20.736 -0.2 T__ ___ 1440583 FDSN CZ -- BUD iLoc HHN ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/23 12:14:49.02 1.06 0.59 47.5596 16.3552 7.0 4.6 12 10.0f 8 5 126 0.15 0.89 ke BUD 19005302 BUD 202

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
RONA 0.15 344.2 Pg 12:14:52.276 -0.4 T__ ___ 1440721 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.15 344.2 Lg 12:14:54.655 -0.6 T__ ___ 1440723 FDSN OE -- BUD iLoc HHN ??? _
SOP 0.18 47.9 Pg 12:14:53.314 0.1 T__ 109.2 ___ ML 0.9 1440719 FDSN HU -- BUD iLoc HHZ HHZ _
SOP 0.18 47.9 Lg 12:14:56.257 0.1 T__ ___ 1440720 FDSN HU -- BUD iLoc HHN ??? _

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(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=0
CONA 0.50 318.1 Pg 12:14:59.515 0.4 T__ 54.0 ___ ML 1.4 1440722 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.50 318.1 Lg 12:15:06.935 1.0 T__ ___ 1440724 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=0
ARSA 0.64 241.6 Lg 12:15:09.616 -0.2 T__ ___ 1440725 FDSN OE -- BUD iLoc HHN ??? _
MPLH 0.89 115.4 Lg 12:15:19.484 0.0 T__ ___ 1440726 FDSN HU -- BUD iLoc HHN ??? _

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/23	12:31:42.17	1.04	0.98	48.7153	18.7491	16.0	6.7	30	10.0f		10	7	137	0.73	1.32	ke	BUD	19005304	BUD			179

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Magnitude Err Nsta Author OrigID
ML 1.8 0.1 6 BUD 19005304

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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JAVC	0.73	281.8	Lg	12:32:07.514	-0.4					T__					1440760	FDSN	CZ	--	BUD	iLoc	HHN	???	_		
HU03A	0.99	144.7	Pn	12:32:02.533	1.4					T__	64.5			___	ML	1.9	1440757	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1 (Station ML: 1.9 magdef=1																									
PSZ	1.10	135.8	Pg	12:32:05.110	0.1					T__	40.8			___	ML	1.7	1440756	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.10	135.8	Sn	12:32:18.864	-0.8					T__				___		1440761	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=1																									
JOS	1.21	99.8	Pn	12:32:04.567	0.4					T__	27.3			___	ML	1.6	1440753	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	1.21	99.8	Sn	12:32:20.195	-1.5					T__				___		1440762	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=0																									
CP16A	1.25	106.8	Pg	12:32:06.281	-0.6					T__	52.4			___	ML	1.9	1440754	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1 (Station ML: 1.9 magdef=0																									
HU02A	1.32	116.0	Pn	12:32:06.536	0.7					T__	26.2			___	ML	1.7	1440755	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=1																									
MORC	1.32	323.8	Pn	12:32:06.865	0.7					T__	40.1			___	ML	1.8	1440758	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
MORC	1.32	323.8	Lg	12:32:25.176	0.2					T__				___		1440759	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1 (Station ML: 1.8 magdef=1																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/24	08:10:18.30	1.51	1.10	47.2201	18.3895	12.1	6.9	69	0.0f		6	5	115	0.17	1.24	sx	BUD	19005310	BUD			210

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Magnitude Err Nsta Author OrigID

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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.17	328.5	Pg	08:10:22.473	0.2					T__	440.2			___	ML	1.4	1442342	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.17	328.5	Lg	08:10:25.072	-0.8					T__				___		1442343	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1 (Station ML: 1.4 magdef=0																									
HU08A	0.38	303.9	Lg	08:10:33.333	0.3					T__				___		1442344	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

MPLH	0.58	265.4	Lg	08:10:39.040	-0.3	T__	---	1442345	FDSN	HU	--	BUD	iLoc	HHN	???	_
MORH	1.02	170.0	Lg	08:10:53.177	-0.4	T__	---	1442346	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	1.24	55.0	Sn	08:11:02.305	1.6	T__	---	1442347	FDSN	GE	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/24	08:35:56.88	1.72	0.89	48.4705	17.5488	15.8	3.9	127	0.0f	6	4	230	0.21	1.25	sx	BUD	19005312	BUD			293	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.21	241.9	Pg	08:36:02.129	0.5					T__						1442363	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.21	241.9	Lg	08:36:04.386	-1.1					T__						1442364	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.40	11.7	Pg	08:36:05.599	0.2					T__		90.3			ML	1.4	1442365	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.40	11.7	Lg	08:36:11.518	-0.5					T__						1442366	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=0)																									
KRUC	0.97	308.2	Lg	08:36:29.746	0.1					T__						1442367	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
CONA	1.25	245.0	Lg	08:36:36.913	-0.8					T__						1442368	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/10/24	08:50:01.24	2.21	0.94	48.5775	20.8264	13.7	7.3	11	0.0f	7	6	248	0.21	0.91	sx	BUD	19005314	BUD			317			

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.21	246.9	Pg	08:50:05.525	-0.1					T__		190.3			ML	1.2	1442385	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.21	246.9	Lg	08:50:09.155	0.2					T__						1442386	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=0)																									
CP16A	0.30	219.1	Lg	08:50:13.264	1.1					T__						1442387	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ABAH	0.39	135.5	Lg	08:50:16.443	0.2					T__						1442390	FDSN	HU	--	BUD	iLoc	HHN	???	_	
CP17A	0.42	210.5	Lg	08:50:16.634	0.4					T__						1442391	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.50	203.9	Lg	08:50:18.800	-1.0					T__						1442388	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.91	223.7	Lg	08:50:32.853	-1.1					T__						1442389	FDSN	GE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/10/24	09:11:45.65	2.80	0.19	47.2520	18.2523	19.5	7.4	139	0.0f	4	3	257	0.11	0.49	sx	BUD	19005316	BUD			311			

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.11	2.9	Pg	09:11:48.587	0.0					T__		228.5			ML	1.0	1442405	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.11	2.9	Lg	09:11:51.173	-0.1					T__						1442406	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=0)																									
HU08A	0.29	308.9	Lg	09:11:57.220	0.0					T__						1442407	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.49	260.7	Lg	09:12:03.607	-0.1					T__						1442408	FDSN	HU	--	BUD	iLoc	HHN	???	_	



Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/24	09:53:56.55	1.94	0.97	47.8741	20.1366	18.1	3.6	161	0.0f		10	7	215	0.17	0.85	sx	BUD	19005318	BUD			228

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.3	3 BUD	19005318

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.17	285.3	Pg	09:54:01.059	0.3					T__		1570.6		___	ML	2.0	1442430	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.17	285.3	Lg	09:54:03.539	-0.7					T__				---		1442434	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
HU02A	0.36	46.3	Pg	09:54:04.992	0.6					T__		149.3		___	ML	1.5	1442431	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.36	46.3	Lg	09:54:09.496	-1.1					T__				---		1442435	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
HU03A	0.36	274.9	Lg	09:54:10.032	-0.2					T__				---		1442436	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP17A	0.43	35.9	Lg	09:54:11.848	-0.3					T__				---		1442437	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP16A	0.54	29.8	Lg	09:54:14.928	-0.9					T__				---		1442433	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
JOS	0.68	23.3	Pg	09:54:11.114	1.0					T__		59.2		---	ML	1.6	1442432	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.68	23.3	Lg	09:54:20.365	-0.1					T__				---		1442438	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
ABAH	0.85	59.9	Lg	09:54:25.722	-1.6					T__				---		1442439	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/24	10:00:02.06	1.10	1.09	48.8854	20.4448	13.1	5.4	86	0.0f		12	9	141	0.39	1.40	sx	BUD	19005320	BUD			166

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.1	6 BUD	19005320

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.39	170.8	Pg	10:00:10.443	0.4					T__		305.3		___	ML	1.9	1442470	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.39	170.8	Lg	10:00:16.298	0.2					T__				---		1442478	FDSN	Z6	--	BUD	iLoc	HHE	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=0)																									
NIE	0.54	349.9	Lg	10:00:19.283	-0.8					T__				---		1442479	FDSN	PL	--	BUD	iLoc	BHN	???	_	
CP16A	0.55	173.3	Lg	10:00:19.709	-1.6					T__				---		1442480	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP17A	0.67	176.2	Pg	10:00:16.032	0.5					T__		253.5		---	ML	2.3	1442471	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=0)																									
HU02A	0.77	176.0	Pg	10:00:17.916	0.1					T__		136.6		___	ML	2.1	1442472	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
ABAH	0.79	137.9	Pg	10:00:17.735	0.0					T__		119.9		___	ML	2.0	1442473	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
PSZ	1.03	201.0	Pn	10:00:23.569	0.6					T__		148.5		___	ML	2.2	1442474	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.03	201.0	Lg	10:00:38.319	-0.7					T__				---		1442475	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
KOLS	1.21	87.0	Pn	10:00:26.544	1.1					T__				---		1442481	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
OJC	1.40	342.7	Pn	10:00:30.441	2.0					T__		66.7		---	ML	2.1	1442476	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_

OJC 1.40 342.7 Sn 10:00:50.114 1.1 T\_\_ --- 1442477 FDSN PL -- BUD iLoc BHN ??? \_  
 (Reading ML: 2.1 magdef=1  
 (Station ML: 2.1 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/24	10:09:00.46	0.98	0.86	48.0057	20.0298	13.1	3.3	146	0.0f	7	5	155	0.13	0.60	sx	BUD	19005322	BUD				180
2023/10/24	10:08:59.82	0.97	0.88	47.8987	20.0893f				0.0f	7	5	218	0.13	0.67	kx	BUD_GT	19005323	BUD_GT				229

(locality: Recsk Hungary)  
 (GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.1	3 BUD_GT	19005323

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.13	278.6	Pg	10:09:04.013	0.7					T__		979.7		---	ML	1.7	1442510	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.13	278.6	Lg	10:09:06.738	0.5					T__				---		1442511	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=1																									
HU03A	0.33	271.1	Pg	10:09:06.898	-0.1					T__		236.1		---	ML	1.6	1442512	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=1																									
HU02A	0.37	52.4	Pg	10:09:08.410	0.6					T__		105.6		---	ML	1.3	1442513	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.37	52.4	Lg	10:09:12.764	-1.4					T__				---		1442514	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1 (Station ML: 1.3 magdef=1																									
CP17A	0.43	41.3	Lg	10:09:14.523	-0.9					T__				---		1442515	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
JOS	0.67	26.6	Lg	10:09:22.503	-1.0					T__				---		1442516	FDSN	Z6	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/10/24	10:52:57.75	2.67	0.68	47.3597	18.3548	18.7	7.3	136	0.0f	6	5	166	0.06	1.28	sx	BUD	19005324	BUD					246

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.06	273.0	Pg	10:52:59.648	-0.1					T__		1382.3		---	ML	1.6	1442536	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.06	273.0	Lg	10:53:01.841	0.1					T__				---		1442537	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=0																									
HU09A	0.28	3.8	Lg	10:53:09.123	0.1					T__				---		1442538	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU08A	0.30	283.9	Lg	10:53:09.772	0.0					T__				---		1442539	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MORH	1.16	170.1	Sn	10:53:37.281	-0.3					T__				---		1442540	FDSN	HU	--	BUD	iLoc	HHE	???	_	
KOVH	1.28	187.9	Sn	10:53:41.710	1.1					T__				---		1442541	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/10/24	11:01:03.82	1.26	1.03	48.8804	21.0485	9.5	4.3	77	0.0f	14	8	198	0.51	1.57	sx	BUD	19005326	BUD					235

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.1	8 BUD	19005326

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L			
JOS	0.51	221.4	Pg	11:01:14.073	0.0					T__		139.1		---	ML	1.9	1442572	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_		
JOS	0.51	221.4	Lg	11:01:21.270	-0.5					T__				---		1442573	FDSN	Z6	--	BUD	iLoc	HHN	???	_			
				(Reading ML: 1.9 magdef=1)																							
				(Station ML: 1.9 magdef=1)																							
ABAH	0.60	167.7	Pg	11:01:16.768	1.0					T__		95.3		---	ML	1.8	1442578	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
ABAH	0.60	167.7	Lg	11:01:23.761	-2.0					T__				---		1442577	FDSN	HU	--	BUD	iLoc	HHN	???	_			
				(Reading ML: 1.8 magdef=1)																							
				(Station ML: 1.8 magdef=1)																							
CP16A	0.64	212.3	Pg	11:01:17.747	1.2					T__		178.0		---	ML	2.1	1442579	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_		
CP16A	0.64	212.3	Lg	11:01:26.039	-0.0					T__				---		1442574	FDSN	Z6	00	BUD	iLoc	HHN	???	_			
				(Reading ML: 2.1 magdef=1)																							
				(Station ML: 2.1 magdef=1)																							
NIE	0.73	317.9	Pg	11:01:18.131	0.5					T__		48.8		---	ML	1.6	1442580	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_		
NIE	0.73	317.9	Lg	11:01:27.584	-0.4					T__				---		1442581	FDSN	PL	--	BUD	iLoc	BHN	???	_			
				(Reading ML: 1.6 magdef=1)																							
				(Station ML: 1.6 magdef=0)																							
CP17A	0.75	208.6	Pg	11:01:19.226	0.2					T__		195.2		---	ML	2.2	1442575	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_		
				(Reading ML: 2.2 magdef=1)																							
				(Station ML: 2.2 magdef=0)																							
HU02A	0.83	204.8	Pg	11:01:20.865	-0.1					T__		165.8		---	ML	2.2	1442576	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_		
HU02A	0.83	204.8	Lg	11:01:32.311	-1.5					T__				---		1442582	FDSN	Z6	00	BUD	iLoc	HHN	???	_			
				(Reading ML: 2.2 magdef=1)																							
				(Station ML: 2.2 magdef=1)																							
PSZ	1.23	219.1	Pn	11:01:28.180	0.7					T__		71.1		---	ML	2.0	1442583	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_		
PSZ	1.23	219.1	Sn	11:01:45.086	-1.2					T__				---		1442584	FDSN	GE	--	BUD	iLoc	HHN	???	_			
				(Reading ML: 2.0 magdef=1)																							
				(Station ML: 2.0 magdef=1)																							
OJC	1.57	329.2	Pg	11:01:34.270	-0.4					T__		61.0		---	ML	2.2	1442585	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_		
				(Reading ML: 2.2 magdef=1)																							
				(Station ML: 2.2 magdef=1)																							

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/10/24 13:26:54.63 2.16 1.49 48.4901 21.6397 23.4 7.9 143 0.0f 7 5 190 0.33 0.83 sx BUD 19005328 BUD 323

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L			
ABAH	0.33	234.1	Lg	13:27:06.618	-0.8					T__				---		1444433	FDSN	HU	--	BUD	iLoc	HHN	???	_			
KOLS	0.61	43.2	Lg	13:27:15.138	-1.3					T__				---		1444432	FDSN	SK	--	BUD	iLoc	HHN	???	_			
JOS	0.73	270.9	Pg	13:27:09.772	0.6					T__		28.6		---	ML	1.4	1444429	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_		
JOS	0.73	270.9	Lg	13:27:19.098	-1.1					T__				---		1444434	FDSN	Z6	--	BUD	iLoc	HHN	???	_			
				(Reading ML: 1.4 magdef=1)																							
				(Station ML: 1.4 magdef=1)																							
CP16A	0.75	259.0	Pg	13:27:10.496	0.9					T__		53.4		---	ML	1.6	1444430	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_		
CP16A	0.75	259.0	Lg	13:27:20.078	-0.7					T__				---		1444435	FDSN	Z6	00	BUD	iLoc	HHN	???	_			
				(Reading ML: 1.6 magdef=1)																							
				(Station ML: 1.6 magdef=1)																							
HU02A	0.83	244.1	Lg	13:27:22.760	-1.9					T__				---		1444431	FDSN	Z6	00	BUD	iLoc	HHN	???	_			

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/25	10:00:46.21	1.06	0.81	48.1488	16.9735	9.5	3.8	133	0.0f	8	5	183	0.30	1.19	sx	BUD	19005338	BUD				237

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MODS	0.30	42.0	Pg	10:00:53.186	0.3					T__						1446461	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.30	42.0	Lg	10:00:57.806	-0.4					T__						1446462	FDSN	SK	--	BUD	iLoc	HHN	???	_
RONA	0.64	225.6	Pg	10:00:58.743	-0.3					T__						1446464	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.64	225.6	Lg	10:01:07.366	-0.2					T__						1446463	FDSN	OE	--	BUD	iLoc	HHN	???	_
CONA	0.78	253.9	Pg	10:01:01.703	0.1					T__		50.2				1446465	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.78	253.9	Lg	10:01:12.775	0.9					T__						1446466	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1)																								
(Station ML: 1.6 magdef=0)																								
KRUC	0.99	337.4	Lg	10:01:20.305	0.4					T__						1446468	FDSN	CZ	--	BUD	iLoc	HHN	???	_
VRAC	1.19	347.9	Lg	10:01:24.783	-1.4					T__						1446467	FDSN	CZ	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/10/25	10:13:33.08	0.86	0.84	46.9230	17.4020	3.6	3.3	116	0.0f	18	13	64	0.13	1.11	sx	BUD	19005340	BUD					101	
2023/10/25	10:13:32.57	0.86	1.37	46.8902	17.3220f				0.0f	18	13	68	0.13	1.13	kx	BUD_GT	19005341	BUD_GT						115

(locality: Uza Hungary)  
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.0	5 BUD_GT	19005341

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BADH	0.13	129.3	Pg	10:13:35.972	0.1					T__		2749.4			ML	2.1	1446501	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BADH	0.13	129.3	Lg	10:13:38.591	-0.0					T__						1446502	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
A261A	0.13	297.5	Pg	10:13:36.728	0.8					T__		11871.8			ML	2.7	1446500	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A261A	0.13	297.5	Lg	10:13:39.921	1.3					T__						1446514	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.7 magdef=1)																									
(Station ML: 2.7 magdef=0)																									
A263A	0.25	181.1	Lg	10:13:43.872	1.6					T__						1446509	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.32	27.9	Pg	10:13:39.729	0.2					T__		843.0			ML	2.1	1446512	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.32	27.9	Lg	10:13:43.402	-1.6					T__						1446511	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
TIH	0.39	88.4	Lg	10:13:46.882	-0.4					T__						1446510	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU08A	0.68	37.0	Lg	10:13:55.259	-2.3					T__						1446513	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A264A	0.73	181.8	Sn	10:14:00.149	-1.3					T__						1446516	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CSKK	0.80	53.2	Lg	10:13:59.488	-2.5					T__						1446503	FDSN	HU	--	BUD	iLoc	HHN	???	_	
A267A	0.80	85.5	Lg	10:13:58.875	-2.6					T__						1446515	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KOGS	0.86	239.5	Pn	10:13:52.505	1.4					T__		101.6			ML	2.0	1446504	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.86	239.5	Sn	10:14:04.684	0.2					T__						1446505	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
KOVH	0.97	145.9	Pg	10:13:52.590	0.5					T__		58.9			ML	1.8	1446507	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.97	145.9	Lg	10:14:05.961	0.2					T__						1446506	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									

```
(Station ML: 1.8 magdef=0
RONA 1.07 319.6 Lg 10:14:09.161 1.1 T__ --- 1446517 FDSN OE -- BUD iLoc HHN ??? _
MORH 1.13 126.0 Sn 10:14:10.305 -0.9 T__ --- 1446508 FDSN HU -- BUD iLoc HHN ??? _
```

```
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/25 10:37:32.85 1.54 0.58 48.5511 20.7831 10.0 4.2 5 0.0f 10 6 238 0.17 0.87 sx BUD 19005342 BUD 310
```

```
Magnitude Err Nsta Author OrigID
ML 1.4 0.1 6 BUD 19005342
```

```
Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
JOS 0.17 251.2 Pg 10:37:36.552 0.1 T__ 429.8 --- ML 1.4 1446649 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.17 251.2 Lg 10:37:39.272 -0.1 T__ --- 1446654 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
CP16A 0.26 217.8 Pg 10:37:38.928 0.6 T__ 180.3 --- ML 1.3 1446656 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP16A 0.26 217.8 Lg 10:37:42.654 0.1 T__ --- 1446655 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
CP17A 0.38 208.7 Pg 10:37:40.709 0.0 T__ 140.9 --- ML 1.5 1446650 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
ABAH 0.40 129.8 Pg 10:37:41.409 0.4 T__ 68.7 --- ML 1.2 1446652 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.40 129.8 Lg 10:37:47.136 -0.8 T__ --- 1446657 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
HU02A 0.46 202.0 Pg 10:37:42.775 0.1 T__ 45.1 --- ML 1.2 1446651 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.46 202.0 Lg 10:37:49.290 -0.9 T__ --- 1446658 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=0
PSZ 0.87 223.5 Pn 10:37:50.837 -0.5 T__ 60.8 --- ML 1.8 1446653 FDSN GE -- BUD iLoc HHZ HHZ _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=0
```

```
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/25 11:03:22.63 1.08 0.36 47.9796 16.1701 6.4 5.1 48 0.0f 6 3 155 0.21 1.09 sx BUD 19005344 BUD 266
```

```
Magnitude Err Nsta Author OrigID
```

```
Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CONA 0.21 256.2 Pg 11:03:27.105 0.0 T__ 48.6 --- ML 0.6 1446775 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.21 256.2 Lg 11:03:30.320 0.1 T__ --- 1446776 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 0.6 magdef=1
(Station ML: 0.6 magdef=1
RONA 0.29 163.1 Pg 11:03:28.979 0.3 T__ --- 1446777 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.29 163.1 Lg 11:03:32.343 -0.5 T__ --- 1446780 FDSN OE -- BUD iLoc HHN ??? _
KRUC 1.09 7.8 Pg 11:03:43.637 0.0 T__ 42.9 --- ML 1.7 1446779 FDSN CZ -- BUD iLoc HHZ HHZ _
KRUC 1.09 7.8 Lg 11:03:59.691 -0.1 T__ --- 1446778 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
```

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/26	05:43:26.13	1.10	0.93	48.9127	21.7802	17.1	4.5	167	0.0f	6	4	148	0.33	1.15	sx	BUD	19005348	BUD				288

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOLS	0.33	86.2	Pg	05:43:32.202	-0.4					T__						1447512	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.33	86.2	Lg	05:43:39.527	1.3					T__						1447511	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JOS	0.92	243.6	Pg	05:43:44.536	0.2					T__		32.0			ML	1.5	1447508	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.92	243.6	Lg	05:43:57.625	-0.4					T__						1447509	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=0)																									
NIE	1.10	298.1	Lg	05:44:02.959	0.1					T__						1447510	FDSN	PL	--	BUD	iLoc	BHN	???	_	
HU02A	1.15	227.0	Lg	05:44:05.631	-0.6					T__						1447513	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/10/26	07:56:40.48	1.53	0.32	48.3395	17.3863	10.4	5.8	136	0.0f	6	5	209	0.08	1.10	sx	BUD	19005350	BUD					271

Magnitude Err Nsta Author OrigID  
ML 1.9 0.1 3 BUD 19005350

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.08	295.2	Pg	07:56:43.051	0.3					T__						1447717	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.08	295.2	Lg	07:56:44.606	-0.3					T__						1447718	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.55	19.8	Pg	07:56:52.122	0.1					T__		166.5			ML	2.0	1447719	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
RONA	0.97	229.2	Pg	07:56:59.936	0.2					T__						1447721	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
KRUC	0.98	318.1	Pg	07:56:59.127	-0.1					T__		62.0			ML	1.8	1447720	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
CONA	1.10	248.6	Pg	07:57:01.852	-0.3					T__		60.3			ML	1.9	1447722	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/10/26	08:25:35.26	1.46	0.48	48.9373	19.3487	10.5	6.4	55	0.0f	6	4	170	0.79	1.45	sx	BUD	19005352	BUD					276

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
NIE	0.79	52.0	Pg	08:25:50.396	0.2					T__		18.4			ML	1.2	1447746	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.79	52.0	Lg	08:26:01.000	-0.4					T__						1447745	FDSN	PL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
JOS	0.90	118.8	Pg	08:25:53.420	0.3					T__		39.1			ML	1.6	1447743	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.90	118.8	Lg	08:26:06.238	-0.3					T__						1447744	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									

```

(Station ML: 1.6 magdef=1
HU02A 1.13 135.8 Lg 08:26:13.776 -0.4 T__ --- 1447747 FDSN Z6 00 BUD iLoc HHE ??? _
MORC 1.45 306.1 Lg 08:26:21.851 -0.3 T__ --- 1447748 FDSN CZ -- BUD iLoc HHN ??? _

```

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/27 07:27:27.48 3.23 0.24 48.9505 19.4066 27.3 9.3 76 0.0f 6 5 248 0.75 1.11 sx BUD 19005358 BUD 318

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Magnitude Err Nsta Author OrigID
ML 1.8 0.0 5 BUD 19005358

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
NIE 0.75 51.0 Pg 07:27:41.625 -0.0 T__ 31.3 ___ ML 1.4 1451677 FDSN PL -- BUD iLoc BHZ BHZ _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=0
JOS 0.88 120.8 Pg 07:27:44.680 -0.1 T__ 58.8 ___ ML 1.8 1451672 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.88 120.8 Lg 07:27:57.945 0.1 T__ ___ 1451673 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
CP17A 1.04 134.5 Pn 07:27:48.438 0.2 T__ 80.9 ___ ML 2.0 1451674 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=0
PSZ 1.08 162.4 Pn 07:27:49.375 0.1 T__ 46.6 ___ ML 1.8 1451676 FDSN GE -- BUD iLoc HHZ HHZ _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
HU02A 1.11 137.7 Pn 07:27:49.801 0.3 T__ 32.7 ___ ML 1.6 1451675 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/27 08:20:49.53 0.90 0.33 47.9292 20.0770 4.4 3.0 154 0.0f 12 9 122 0.12 0.86 sx BUD 19005360 BUD 143
2023/10/27 08:20:49.52 0.90 0.56 47.8987 20.0893f 0.0f 12 9 107 0.13 0.87 kx BUD_GT 19005361 BUD_GT 147
(locality: Recsk Hungary)
(GT info : GT2 explosion)

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Magnitude Err Nsta Author OrigID
ML 1.6 0.2 3 BUD 19005361
ML 1.7 0.0 3 BUD_GT

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
PSZ 0.13 278.6 Pg 08:20:52.766 -0.2 T__ 988.0 ___ ML 1.7 1451726 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.13 278.6 Lg 08:20:55.581 -0.4 T__ ___ 1451727 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
HU23A 0.28 157.3 Pg 08:20:56.667 0.7 T__ 387.7 ___ ML 1.7 1451728 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU23A 0.28 157.3 Lg 08:21:01.916 1.2 T__ ___ 1451732 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
HU03A 0.33 271.1 Lg 08:21:02.086 0.0 T__ ___ 1451733 FDSN Z6 00 BUD iLoc HHN ??? _
HU02A 0.37 52.4 Pg 08:20:56.963 -0.6 T__ 117.0 ___ ML 1.4 1451729 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.37 52.4 Lg 08:21:03.427 -0.4 T__ ___ 1451734 FDSN Z6 00 BUD iLoc HHN ??? _

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(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
CP17A 0.43 41.3 Lg 08:21:04.810 -0.3 T__ --- 1451735 FDSN Z6 00 BUD iLoc HHN ??? _
CP16A 0.54 34.1 Lg 08:21:08.480 -0.2 T__ --- 1451736 FDSN Z6 00 BUD iLoc HHN ??? _
HU01A 0.64 210.0 Lg 08:21:13.513 0.3 T__ --- 1451730 FDSN Z6 00 BUD iLoc HHN ??? _
JOS 0.67 26.6 Lg 08:21:12.424 -0.7 T__ --- 1451737 FDSN Z6 -- BUD iLoc HHN ??? _
ABAH 0.87 62.3 Lg 08:21:21.017 0.3 T__ --- 1451731 FDSN HU -- BUD iLoc HHN ??? _

```

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/10/27 09:49:19.98 0.99 0.39 45.9600 16.6828 9.2 4.4 153 11.0f 16 14 91 0.50 1.76 ke BUD 19005362 BUD 162

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Magnitude Err Nsta Author OrigID
ML 2.7 0.2 11 BUD 19005362

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
PTJ 0.50 264.2 Pg 09:49:29.648 -0.5 T__ 493.2 ___ ML 2.4 1451808 FDSN CR -- BUD iLoc BHZ BHZ _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=0
ZAG 0.50 254.9 Lg 09:49:37.847 0.7 T__ 1451809 FDSN CR -- BUD iLoc BHN ??? _
BEHE 0.51 7.2 Pg 09:49:30.308 -0.1 T__ 2245.7 ___ ML 3.1 1451803 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 3.1 magdef=1
(Station ML: 3.1 magdef=0
KOGS 0.57 328.6 Pg 09:49:30.819 -0.4 T__ 726.6 ___ ML 2.7 1451804 FDSN SL -- BUD iLoc BHZ BHZ _
(Reading ML: 2.7 magdef=1
(Station ML: 2.7 magdef=1
A273A 0.79 92.8 Lg 09:49:46.046 0.4 T__ 1451810 FDSN Z6 00 BUD iLoc HHN ??? _
A263A 0.81 32.5 Pg 09:49:35.610 -0.1 T__ 1175.2 ___ ML 3.0 1451806 FDSN Z6 00 BUD iLoc HHZ HHZ _
A263A 0.81 32.5 Lg 09:49:46.458 -0.1 T__ 1451811 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 3.0 magdef=1
(Station ML: 3.0 magdef=0
CRES 0.87 261.5 Pg 09:49:36.414 0.2 T__ 384.7 ___ ML 2.6 1451812 FDSN SL -- BUD iLoc BHZ BHZ _
(Reading ML: 2.6 magdef=1
(Station ML: 2.6 magdef=1
A265A 0.90 58.6 Pn 09:49:37.164 -0.2 T__ 637.5 ___ ML 2.8 1451807 FDSN Z6 00 BUD iLoc HHZ HHZ _
A265A 0.90 58.6 Lg 09:49:49.364 -0.1 T__ 1451813 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.8 magdef=1
(Station ML: 2.8 magdef=1
A262A 0.91 353.3 Pg 09:49:37.867 0.5 T__ 895.8 ___ ML 3.0 1451805 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 3.0 magdef=1
(Station ML: 3.0 magdef=1
A261A 1.04 17.8 Pn 09:49:39.363 -0.1 T__ 230.0 ___ ML 2.4 1451814 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=0
A266A 1.24 62.2 Pg 09:49:43.469 -0.3 T__ 333.3 ___ ML 2.7 1451816 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.7 magdef=1
(Station ML: 2.7 magdef=1
BLY 1.26 163.6 Pn 09:49:43.228 0.4 T__ 243.7 ___ ML 2.6 1451815 FDSN MN -- BUD iLoc HHZ HHZ _
(Reading ML: 2.6 magdef=1
(Station ML: 2.6 magdef=1
ARSA 1.52 328.6 Pn 09:49:46.507 0.2 T__ 145.1 ___ ML 2.5 1451817 FDSN OE -- BUD iLoc HHZ HHZ _
(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=1

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RONA 1.76 351.5 Pn 09:49:49.901 0.3 T\_\_ --- 1451818 FDSN OE -- BUD iLoc HHZ ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/27	10:00:36.65	0.95	0.84	48.8325	20.9313	5.4	4.2	91	0.0f	14	9	110		0.43	1.57	sx	BUD	19005364	BUD			186

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.2	6 BUD	19005364

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.43	217.8	Pg	10:00:45.436	0.2					T__		146.2		---	ML	1.6	1451867	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.43	217.8	Lg	10:00:52.415	0.7					T__				---		1451872	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1 Station ML: 1.6 magdef=0)																									
CP16A	0.56	208.0	Lg	10:00:55.422	-0.7					T__				---		1451868	FDSN	Z6	00	BUD	iLoc	HHE	???	_	
ABAH	0.57	159.0	Pg	10:00:48.438	0.3					T__		108.5		---	ML	1.9	1451869	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.57	159.0	Lg	10:00:56.950	-0.9					T__				---		1451873	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=1)																									
CP17A	0.67	204.6	Lg	10:01:00.569	0.2					T__				---		1451874	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
NIE	0.72	324.9	Pg	10:00:50.525	0.3					T__		60.2		---	ML	1.7	1451870	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.72	324.9	Lg	10:00:59.382	-1.1					T__				---		1451871	FDSN	PL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=1)																									
HU02A	0.76	201.0	Pg	10:00:52.095	-0.3					T__		187.7		---	ML	2.2	1451876	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.76	201.0	Lg	10:01:03.508	-0.6					T__				---		1451875	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1 Station ML: 2.2 magdef=1)																									
KOLS	0.89	83.0	Pg	10:00:53.884	0.2					T__				---		1451877	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
PSZ	1.15	217.5	Pn	10:00:59.590	0.5					T__		73.4		---	ML	2.0	1451878	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.15	217.5	Sn	10:01:15.176	-1.8					T__				---		1451879	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1 Station ML: 2.0 magdef=1)																									
OJC	1.57	332.4	Pn	10:01:06.063	0.7					T__		73.6		---	ML	2.2	1451880	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 2.2 magdef=1 Station ML: 2.2 magdef=0)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/27	13:03:43.15	1.01	0.89	47.9703	16.9659	7.3	4.3	133	6.0f	8	6	126		0.40	1.16	ke	BUD	19005366	BUD			196

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
SOP	0.40	223.9	Pg	13:03:51.582	0.4					T__		71.6		---	ML	1.3	1451910	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.40	223.9	Lg	13:03:54.877	-1.8					T__				---		1451911	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1 Station ML: 1.3 magdef=0)																									
MODS	0.45	27.2	Pg	13:03:52.465	-0.0					T__				---		1451912	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
RONA	0.53	239.3	Pg	13:03:53.910	0.1					T__				---		1451908	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.53	239.3	Lg	13:04:01.107	0.2					T__				---		1451909	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.74	267.2	Lg	13:04:08.259	0.5					T__				---		1451913	FDSN	OE	--	BUD	iLoc	HHN	???	_	

MPLH	0.89	153.9	Lg	13:04:13.906	0.4	T__	---	1451914	FDSN	HU	--	BUD	iLoc	HHN	???	_
KRUC	1.16	341.1	Sn	13:04:21.336	-0.1	T__	---	1451915	FDSN	CZ	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/30	03:17:32.68	1.13	1.03	45.5170	16.1683	12.3	5.4	51	11.8	8.9	11	6	165	0.34	1.50	ke	BUD	19005368	BUD			298

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.1	5 BUD	19005368

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ZAG	0.34	337.8	Pg	03:17:39.357	-0.3					T__		541.0		---	ML	2.0	1456734	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.34	337.8	Lg	03:17:45.566	1.0					T__				---		1456735	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
PTJ	0.41	340.3	Pg	03:17:40.407	-1.0					T__		88.3		---	ML	1.4	1456733	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.41	340.3	Lg	03:17:46.844	-0.9					T__				---		1456732	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=0)																									
CRES	0.59	302.0	Pg	03:17:44.433	0.4					T__		73.9		---	ML	1.7	1456737	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.59	302.0	Lg	03:17:52.340	-0.6					T__				---		1456736	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
KOGS	0.93	3.5	Pg	03:17:51.272	1.0					T__		93.8		---	ML	2.0	1456731	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.93	3.5	Sn	03:18:05.368	1.0					T__				---		1456730	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=0)																									
BLY	1.05	136.5	Pg	03:17:51.832	-0.3					T__		62.3		---	ML	1.9	1456739	FDSN	MN	--	BUD	iLoc	HHZ	HHZ	_
BLY	1.05	136.5	Lg	03:18:06.878	0.6					T__				---		1456738	FDSN	MN	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
OBKA	1.50	311.9	Lg	03:18:22.593	1.2					T__				---		1456740	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/10/30	09:20:29.31	1.68	0.95	48.5571	20.8948	12.6	4.9	12	0.0f		7	6	162	0.24	0.95	sx	BUD	19005372	BUD					242

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.3	3 BUD	19005372

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.24	255.6	Pg	09:20:34.224	-0.1					T__		335.1		---	ML	1.5	1456819	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.24	255.6	Lg	09:20:38.022	-0.3					T__				---		1456822	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
CP16A	0.32	227.8	Lg	09:20:41.483	0.6					T__				---		1456825	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ABAH	0.35	138.5	Pg	09:20:36.423	-0.1					T__		83.0		---	ML	1.2	1456820	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
HU02A	0.50	209.7	Lg	09:20:47.885	-0.1					T__				---		1456823	FDSN	Z6	00	BUD	iLoc	HHE	???	_	
PSZ	0.93	226.7	Lg	09:21:02.376	-0.2					T__				---		1456824	FDSN	GE	--	BUD	iLoc	HHN	???	_	
NIE	0.95	335.8	Pn	09:20:50.774	1.8					T__		47.9		---	ML	1.7	1456821	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_

(Reading ML: 1.7 magdef=1  
 (Station ML: 1.7 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/30	11:07:18.29	2.18	0.71	47.9278	20.2973	21.6	6.3	149	0.0f	6	5	230	0.25	0.59	sx	BUD	19005374	BUD				337
2023/10/30	11:07:19.23	1.02	1.27	47.9590	20.3545f				0.0f	6	5	227	0.20	0.55	kx	BUD_GT	19005375	BUD_GT				337

(locality: Eger-III Hungary)  
 (GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID  
 ML 1.3 0.0 3 BUD 19005375

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU02A	0.20	35.0	Pg	11:07:24.198	0.3					T__		201.8		---	ML	1.2	1456845	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.20	35.0	Lg	11:07:27.302	-0.4					T__				---		1456847	FDSN	Z6	00	BUD	iLoc	HNN	???	_	

(Reading ML: 1.2 magdef=1  
 (Station ML: 1.2 magdef=0

CP17A	0.28	21.9	Lg	11:07:30.292	0.5					T__				---		1456849	FDSN	Z6	00	BUD	iLoc	HNN	???	_
PSZ	0.31	262.7	Lg	11:07:29.108	-2.7					T__				---		1456848	FDSN	GE	--	BUD	iLoc	HNN	???	_
CP16A	0.40	17.9	Lg	11:07:34.414	0.6					T__				---		1456850	FDSN	Z6	00	BUD	iLoc	HNN	???	_
JOS	0.55	12.9	Lg	11:07:39.175	0.3					T__				---		1456846	FDSN	Z6	--	BUD	iLoc	HNN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/30	11:18:34.88	3.30	2.09	48.8050	20.0745	36.2	6.5	79	0.0f	4	3	217	0.44	0.75	sx	BUD	19005376	BUD				338

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.44	134.9	Pg	11:18:44.452	0.8					T__		55.9		---	ML	1.3	1456864	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.44	134.9	Lg	11:18:49.642	-0.7					T__				---		1456865	FDSN	Z6	--	BUD	iLoc	HNN	???	_	

(Reading ML: 1.3 magdef=1  
 (Station ML: 1.3 magdef=0

NIE	0.63	13.5	Lg	11:18:55.006	-0.9					T__				---		1456866	FDSN	PL	--	BUD	iLoc	BHN	???	_
HU02A	0.75	156.1	Lg	11:19:00.296	-1.6					T__				---		1456867	FDSN	Z6	00	BUD	iLoc	HNN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/30	13:10:29.50	3.87	1.46	47.5864	18.6152	22.1	10.8	70	0.0f	4	3	298	0.17	0.49	sx	BUD	19005380	BUD				335

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU09A	0.17	288.4	Lg	13:10:36.209	-0.6					T__				---		1456913	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
CSKK	0.33	227.3	Pg	13:10:36.675	0.2					T__		176.8		---	ML	1.5	1456912	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_

(Reading ML: 1.5 magdef=1  
 (Station ML: 1.5 magdef=0

HU08A	0.49	251.9	Lg	13:10:48.878	0.9					T__				---		1456915	FDSN	Z6	00	BUD	iLoc	HNN	???	_
-------	------	-------	----	--------------	-----	--	--	--	--	-----	--	--	--	-----	--	---------	------	----	----	-----	------	-----	-----	---

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/30	13:18:54.55	1.20	1.78	47.6396	18.4953	6.2	5.2	122	0.0f	7	6	136	0.08	1.10	sx	BUD	19005382	BUD				245
2023/10/30	13:18:54.23	0.99	2.26	47.5600	18.4573f				0.0f	7	6	145	0.09	1.14	kx	BUD_GT	19005383	BUD_GT				235

(locality: Tatabánya Hungary)  
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU09A	0.09	327.2	Lg	13:18:59.498	0.5					T__						1456936	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CSKK	0.24	214.2	Lg	13:19:07.899	3.8					T__						1456934	FDSN	HU	--	BUD	iLoc	HHN	???	_	
SR0	0.27	339.1	Pg	13:18:59.719	-0.4					T__		3351.2			ML	2.6	1456932	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
SR0	0.27	339.1	Lg	13:19:04.320	-0.8					T__						1456933	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 2.6 magdef=1 Station ML: 2.6 magdef=0)																									
MPLH	0.74	238.3	Lg	13:19:20.869	0.7					T__						1456937	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	1.03	69.2	Lg	13:19:29.664	-1.9					T__						1456935	FDSN	GE	--	BUD	iLoc	HHN	???	_	
MODS	1.14	316.2	Sn	13:19:30.928	-3.3					T__						1456938	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/10/30	13:59:13.64	1.11	0.72	47.6444	16.3952	6.2	4.6	37	10.4	7.8	11	8	87	0.09	1.42	ke	BUD	19005384	BUD				158

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.1	5 BUD	19005384

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.09	309.6	Pg	13:59:16.577	0.1					T__						1456968	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.09	309.6	Lg	13:59:18.058	-0.4					T__						1456965	FDSN	OE	--	BUD	iLoc	HHN	???	_	
SOP	0.12	70.5	Pg	13:59:16.908	0.1					T__		832.7			ML	1.5	1456963	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.12	70.5	Lg	13:59:18.770	-0.2					T__						1456964	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=1)																									
A260A	0.42	149.6	Pg	13:59:22.109	-0.2					T__		423.1			ML	2.1	1456969	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A260A	0.42	149.6	Lg	13:59:27.900	-0.2					T__						1456966	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1 Station ML: 2.1 magdef=1)																									
CONA	0.46	308.5	Pg	13:59:23.357	0.3					T__		84.2			ML	1.5	1456970	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=0)																									
EGYH	0.67	109.4	Lg	13:59:38.052	1.1					T__						1456967	FDSN	HU	--	BUD	iLoc	HHN	???	_	
ARSA	0.71	236.7	Pg	13:59:27.288	-0.2					T__		217.8			ML	2.2	1456971	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.2 magdef=1 Station ML: 2.2 magdef=0)																									
MODS	0.94	38.7	Pg	13:59:31.738	-0.7					T__						1456972	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KRUC	1.42	0.0	Pn	13:59:39.967	1.2					T__		69.0			ML	2.1	1456973	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.1 magdef=1 Station ML: 2.1 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/10/31	08:56:40.63	1.12	1.33	47.8249	16.3226	7.7	4.0	31	10.0f	7	4	203	0.13	0.79	ke	BUD	19005390	BUD					268

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.13	188.1	Pg	08:56:43.091	-0.9					T__						1457956	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.13	188.1	Lg	08:56:46.542	0.2					T__						1457957	FDSN	OE	--	BUD	iLoc	HHN	???	_	
SOP	0.21	131.6	Pg	08:56:45.310	-0.1					T__		69.3		---	ML	0.7	1457958	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.21	131.6	Lg	08:56:48.637	-0.0					T__						1457959	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 0.7 magdef=1																					
				(Station ML: 0.7 magdef=0																					
CONA	0.33	288.6	Pg	08:56:46.889	-0.6					T__		52.0		---	ML	0.9	1457955	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.33	288.6	Lg	08:56:52.909	0.7					T__						1457960	FDSN	OE	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 0.9 magdef=1																					
				(Station ML: 0.9 magdef=0																					
ARSA	0.79	223.6	Lg	08:57:08.320	2.3					T__						1457961	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/31	09:16:47.43	0.99	0.34	47.0648	18.0385	7.4	4.2	105	0.0f		7	5	126	0.19	0.95	sx	BUD	19005392	BUD			184

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
TIH	0.19	211.2	Lg	09:16:54.939	-0.5					T__						1458261	FDSN	HU	--	BUD	iLoc	HHN	???	_	
CSKK	0.33	26.8	Pg	09:16:54.622	-0.0					T__		142.8		---	ML	1.4	1458256	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.33	26.8	Lg	09:17:00.812	-0.0					T__						1458257	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.4 magdef=1																					
				(Station ML: 1.4 magdef=1																					
MPLH	0.36	287.4	Lg	09:17:01.342	0.3					T__						1458258	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU09A	0.62	22.0	Lg	09:17:10.449	-0.2					T__						1458262	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MORH	0.95	153.7	Pg	09:17:06.600	0.3					T__		56.6		---	ML	1.8	1458260	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.95	153.7	Lg	09:17:20.331	0.1					T__						1458259	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.8 magdef=1																					
				(Station ML: 1.8 magdef=1																					

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/10/31	11:07:11.36	2.00	1.46	47.8733	16.2457	17.0	4.6	46	0.0f		6	4	164	0.18	1.19	sx	BUD	19005396	BUD			246

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.18	168.9	Pg	11:07:15.237	0.0					T__						1458315	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.18	168.9	Lg	11:07:17.766	-0.2					T__						1458314	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.26	282.2	Pg	11:07:17.236	0.4					T__		187.8		---	ML	1.3	1458313	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.26	282.2	Lg	11:07:19.382	-1.2					T__						1458316	FDSN	OE	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.3 magdef=1																					
				(Station ML: 1.3 magdef=0																					
ARSA	0.79	218.4	Lg	11:07:36.960	0.3					T__						1458317	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.19	4.7	Sn	11:07:53.925	2.2					T__						1458318	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/01	08:29:47.91	1.32	1.23	48.8287	16.1315	11.4	6.0	107	0.0f	8	5	201	0.29	1.63	sx	BUD	19005398	BUD				285

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KRUC	0.29	36.6	Pg	08:29:53.554	-0.1					T__		135.1		___	ML	1.2	1459578	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
MODS	0.89	120.5	Pg	08:30:05.906	0.1					T__				___		1459577	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.89	120.5	Lg	08:30:19.336	-0.0					T__				___		1459576	FDSN	SK	--	BUD	iLoc	HHN	???	_	
CONA	0.92	191.4	Pg	08:30:05.149	-0.9					T__		82.0		___	ML	1.9	1459571	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.92	191.4	Lg	08:30:18.149	0.1					T__				___		1459572	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
RONA	1.14	174.4	Pn	08:30:09.348	-1.3					T__				___		1459574	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	1.14	174.4	Lg	08:30:25.161	0.1					T__				___		1459573	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	1.63	194.7	Lg	08:30:42.032	2.2					T__				___		1459575	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/01	08:37:26.87	1.11	0.87	46.0189	22.7520	9.0	5.3	70	0.0f	5	4	114	0.17	0.91	sx	BUD	19005400	BUD				215

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DEV	0.17	142.0	Pg	08:37:30.146	0.0					T__		978.4		___	ML	1.8	1459596	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.17	142.0	Lg	08:37:32.282	-0.3					T__				___		1459597	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
DRGR	0.77	357.9	Pg	08:37:42.160	-0.3					T__		60.7		___	ML	1.7	1459598	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
BZS	0.89	243.5	Lg	08:37:57.219	0.4					T__				___		1459599	FDSN	RO	--	BUD	iLoc	HHN	???	_	
CJR	0.91	39.8	Lg	08:37:59.935	1.1					T__				___		1459600	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/01	13:20:09.71	1.43	1.31	46.3873	22.8927	12.4	6.4	115	0.0f	5	3	173	0.42	1.18	sx	BUD	19005402	BUD				286

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DRGR	0.42	342.9	Pg	13:20:18.314	-0.1					T__		89.7		___	ML	1.4	1459692	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	0.42	342.9	Lg	13:20:25.636	0.1					T__				___		1459693	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
CJR	0.59	55.9	Lg	13:20:31.004	0.3					T__				___		1459694	FDSN	RO	--	BUD	iLoc	HHN	???	_	
BZS	1.18	229.5	Pg	13:20:31.917	-0.6					T__		55.6		___	ML	1.9	1459691	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	1.18	229.5	Lg	13:20:50.614	1.7					T__				___		1459690	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/02	10:02:16.11	1.22	0.86	48.4202	20.7747	7.6	5.8	15	0.0f		6	5	175	0.17	0.77	sx	BUD	19005404	BUD			273

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.17	295.9	Pg	10:02:19.828	0.0					T__		198.2		---	ML	1.1	1460031	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.17	295.9	Lg	10:02:22.616	-0.1					T__				---		1460033	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=0)																									
CP16A	0.18	243.6	Lg	10:02:23.575	0.8					T__				---		1460034	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ABAH	0.33	111.7	Lg	10:02:29.193	0.1					T__				---		1460035	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU02A	0.34	209.3	Lg	10:02:29.355	0.0					T__				---		1460032	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.77	229.9	Lg	10:02:43.072	-1.2					T__				---		1460036	FDSN	GE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/02	10:30:28.00	1.26	1.29	48.5618	20.8274	6.6	6.1	154	0.0f		8	7	90	0.20	1.03	sx	BUD	19005406	BUD			177

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.20	251.1	Pg	10:30:32.215	-0.0					T__		369.7		---	ML	1.4	1460054	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.20	251.1	Lg	10:30:35.914	0.3					T__				---		1460055	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=0)																									
CP16A	0.29	221.1	Lg	10:30:39.353	0.8					T__				---		1460058	FDSN	Z6	00	BUD	iLoc	HHE	???	_	
ABAH	0.38	133.9	Lg	10:30:43.533	0.9					T__				---		1460059	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU02A	0.48	204.7	Lg	10:30:45.537	-0.5					T__				---		1460060	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.90	224.4	Lg	10:30:58.887	-1.4					T__				---		1460056	FDSN	GE	--	BUD	iLoc	HHN	???	_	
NIE	0.92	338.1	Lg	10:30:59.101	0.5					T__				---		1460057	FDSN	PL	--	BUD	iLoc	BHE	???	_	
KOLS	1.03	68.2	Lg	10:31:01.572	-2.0					T__				---		1460061	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/02	11:56:23.25	1.54	0.67	47.3192	18.4281	10.4	5.4	75	0.0f		5	4	177	0.12	1.11	sx	BUD	19005408	BUD			293

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.12	291.1	Pg	11:56:26.695	0.4					T__		2278.2		---	ML	2.0	1460103	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.12	291.1	Lg	11:56:28.821	-0.4					T__				---		1460102	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=0)																									
HU09A	0.32	354.5	Lg	11:56:35.602	-0.4					T__				---		1460105	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU08A	0.36	288.3	Lg	11:56:36.821	-0.4					T__				---		1460104	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MORH	1.11	172.3	Lg	11:57:01.150	-0.4					T__				---		1460106	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
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2023/11/02 12:38:15.50 1.09 1.43 47.3258 18.3850 6.2 4.3 90 0.0f 11 10 111 0.09 1.29 sx BUD 19005410 BUD 131

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.09	293.8	Pg	12:38:18.055	0.0					T__		7810.2		---	ML	2.4	1460127	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.09	293.8	Lg	12:38:19.178	-1.3					T__				---		1460128	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=0)																									
HU09A	0.31	359.7	Lg	12:38:26.513	-1.5					T__				---		1460130	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU08A	0.33	288.8	Lg	12:38:29.671	1.2					T__				---		1460129	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
SRO	0.49	354.3	Lg	12:38:34.942	0.8					T__				---		1460131	FDSN	SK	--	BUD	iLoc	EHN	???	_	
HU10A	0.67	39.3	Lg	12:38:41.208	0.7					T__				---		1460132	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A266A	0.80	185.9	Lg	12:38:44.682	1.2					T__				---		1460137	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MORH	1.13	170.8	Lg	12:38:52.757	-1.4					T__				---		1460134	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	1.18	59.3	Sn	12:38:55.128	-1.5					T__				---		1460135	FDSN	GE	--	BUD	iLoc	HHN	???	_	
KOVH	1.25	189.1	Sn	12:38:58.844	1.3					T__				---		1460136	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MODS	1.29	325.0	Sn	12:38:57.528	-1.7					T__				---		1460133	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/11/02 12:46:48.09 1.21 0.45 47.8929 16.0653 9.5 6.1 34 0.0f 6 4 130 0.14 1.19 sx BUD 19005412 BUD 216

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.14	284.6	Pg	12:46:50.926	-0.2					T__		334.4		---	ML	1.2	1460154	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.14	284.6	Lg	12:46:53.474	0.1					T__				---		1460155	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
RONA	0.25	141.1	Lg	12:46:56.773	-0.2					T__				---		1460156	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.74	209.9	Lg	12:47:12.298	0.6					T__				---		1460157	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.19	10.5	Pg	12:47:11.322	0.4					T__		94.3		---	ML	2.1	1460159	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.19	10.5	Sn	12:47:28.527	0.2					T__				---		1460158	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/11/02 12:48:06.11 2.71 0.71 47.8477 20.1632 25.1 4.5 163 0.0f 6 4 237 0.19 0.70 sx BUD 19005414 BUD 257

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.19	291.5	Pg	12:48:11.328	0.5					T__		519.5		---	ML	1.6	1460179	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.19	291.5	Lg	12:48:13.835	-0.8					T__				---		1460180	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
HU02A	0.37	41.4	Pg	12:48:14.150	0.0					T__		96.6		---	ML	1.3	1460178	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.37	41.4	Lg	12:48:20.082	-0.3					T__				---		1460182	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									



HU03A	0.38	278.6	Lg	12:48:19.863	-0.7	T__									1460181	FDSN	Z6	00	BUD	iLoc	HHN	???	_
JOS	0.70	21.1	Lg	12:48:30.931	0.3	T__									1460183	FDSN	Z6	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/03	08:31:15.88	0.96	1.41	47.9100	19.3696	7.3	2.9	161	0.0f	12	11	123		0.15	1.48	sx	BUD	19005418	BUD			157

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU03A	0.15	92.2	Pg	08:31:20.806	1.3					T__		512.0			ML	1.4	1461665	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.15	92.2	Lg	08:31:22.075	-0.3					T__						1461666	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.4 magdef=1)																					
				(Station ML: 1.4 magdef=1)																					
HU10A	0.24	254.8	Pg	08:31:22.011	0.7					T__		1286.9			ML	2.1	1461667	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.1 magdef=1)																					
				(Station ML: 2.1 magdef=1)																					
PSZ	0.35	88.4	Lg	08:31:28.557	-1.3					T__						1461668	FDSN	GE	--	BUD	iLoc	HHN	???	_	
BUD	0.49	208.8	Lg	08:31:34.363	0.1					T__						1461669	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU01A	0.59	163.2	Lg	08:31:35.727	-2.2					T__						1461670	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU09A	0.72	248.2	Lg	08:31:41.295	-1.0					T__						1461671	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.80	74.3	Lg	08:31:43.331	-1.8					T__						1461672	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
JOS	0.98	52.7	Lg	08:31:49.044	-1.5					T__						1461673	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
HU08A	1.09	244.4	Sn	08:31:53.031	-1.2					T__						1461674	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ABAH	1.31	72.2	Sn	08:31:58.810	-0.7					T__						1461675	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MODS	1.48	289.1	Sn	08:32:05.033	0.7					T__						1461676	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/03	09:57:42.08	0.94	0.55	48.4469	17.3112	7.7	3.2	111	0.0f	13	10	119		0.08	1.47	sx	BUD	19005420	BUD			177

Magnitude Err Nsta Author OrigID  
ML 2.1 0.2 4 BUD 19005420

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
MODS	0.08	197.1	Pg	09:57:44.643	0.4					T__						1461767	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.08	197.1	Lg	09:57:46.185	-0.2					T__						1461772	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.48	29.9	Pg	09:57:52.312	0.2					T__		362.0			ML	2.2	1461768	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.48	29.9	Lg	09:57:59.368	-0.5					T__						1461773	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.2 magdef=1)																					
				(Station ML: 2.2 magdef=1)																					
KRUC	0.86	315.8	Pg	09:57:59.441	0.8					T__		115.1			ML	2.0	1461774	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.0 magdef=1)																					
				(Station ML: 2.0 magdef=1)																					
SOP	0.92	213.7	Lg	09:58:12.588	0.2					T__						1461775	FDSN	HU	--	BUD	iLoc	HHN	???	_	
VRAC	0.98	331.5	Pn	09:58:02.702	0.1					T__		38.3			ML	1.6	1461770	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 1.6 magdef=1)																					
				(Station ML: 1.6 magdef=1)																					
RONA	1.01	222.7	Pg	09:58:01.898	-0.2					T__						1461769	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	1.01	222.7	Lg	09:58:14.560	-0.8					T__						1461776	FDSN	OE	--	BUD	iLoc	HHN	???	_	
HU08A	1.10	157.7	Sn	09:58:20.256	-0.5					T__						1461777	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CONA	1.10	242.4	Pg	09:58:03.651	-0.1					T__		145.1			ML	2.3	1461771	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_

(Reading ML: 2.3 magdef=1  
 (Station ML: 2.3 magdef=1  
 CSKK 1.26 149.2 Sn 09:58:25.588 0.7 T\_\_ --- 1461778 FDSN HU -- BUD iLoc HHN ??? \_  
 TREC 1.47 305.9 Lg 09:58:29.094 -0.8 T\_\_ --- 1461779 FDSN CZ -- BUD iLoc HHN ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/03	10:20:08.50	1.18	1.73	47.7956	19.1281	12.9	3.3	179	0.0f	8	6	176	0.09	1.09	sx	BUD	19005422	BUD				227
2023/11/03	10:20:08.75	0.94	1.41	47.8327	19.1394f				0.0f	8	6	169	0.08	1.07	kx	BUD_GT	19005423	BUD_GT				198

(locality: Sejce-Vác Hungary)  
 (GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
HU10A	0.08	278.8	Pg	10:20:11.530	0.6					T__		1402.3		---	ML	1.7	1461804	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU10A	0.08	278.8	Lg	10:20:12.288	-0.6					T__				---		1461805	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=0)																										
HU03A	0.32	76.9	Pg	10:20:17.017	1.3					T__		137.8		---	ML	1.3	1461806	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU03A	0.32	76.9	Lg	10:20:20.706	-0.2					T__				---		1461808	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 1.3 magdef=1 (Station ML: 1.3 magdef=0)																										
PSZ	0.52	80.1	Lg	10:20:27.115	-1.2					T__				---		1461807	FDSN	GE	--	BUD	iLoc	HHN	???	_		
HU09A	0.55	249.5	Lg	10:20:27.231	-2.0					T__				---		1461809	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
HU02A	0.98	72.2	Lg	10:20:42.153	-2.2					T__				---		1461810	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
CP16A	1.07	61.0	Sn	10:20:45.106	-1.2					T__				---		1461811	FDSN	Z6	00	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/03	17:09:15.23	3.10	0.46	47.9035	16.1903	34.7	4.6	38	0.0f	5	3	154	0.22	1.17	sx	BUD	19005424	BUD				269

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
RONA	0.22	160.7	Pg	17:09:19.884	0.1					T__				---		1462193	FDSN	OE	--	BUD	iLoc	HHZ	???	_		
RONA	0.22	160.7	Lg	17:09:22.951	-0.1					T__				---		1462192	FDSN	OE	--	BUD	iLoc	HHN	???	_		
CONA	0.22	276.5	Pg	17:09:19.902	0.0					T__		112.7		---	ML	1.0	1462190	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_	
CONA	0.22	276.5	Lg	17:09:23.043	-0.0					T__				---		1462191	FDSN	OE	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.0 magdef=1 (Station ML: 1.0 magdef=0)																										
KRUC	1.17	6.6	Sn	17:09:54.321	-0.6					T__				---		1462194	FDSN	CZ	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/04	08:11:27.24	2.19	1.27	45.6080	16.1098	15.1	9.3	167	13.0f	8	6	225	0.24	1.87	ke	BUD	19005426	BUD				268

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ZAG	0.24	338.6	Lg	08:11:37.299	1.1					T__				---		1465097	FDSN	CR	--	BUD	iLoc	BHN	???	_	
PTJ	0.32	341.7	Pg	08:11:33.638	-0.5					T__		127.7		---	ML	1.3	1465095	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_

PTJ	0.32	341.7	Lg	08:11:39.074	-0.2	T__									1465094	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.3 magdef=1)																								
(Station ML: 1.3 magdef=1)																								
CRES	0.51	295.7	Pg	08:11:37.150	0.0	T__					117.2			ML	1.8	1465099	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.51	295.7	Lg	08:11:44.710	-0.2	T__									1465098	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.8 magdef=1)																								
(Station ML: 1.8 magdef=1)																								
KOGS	0.85	6.6	Sn	08:11:59.029	2.4	T__									1465096	FDSN	SL	--	BUD	iLoc	BHN	???	_	
KOVH	1.47	70.2	Lg	08:12:14.388	0.2	T__									1465093	FDSN	HU	--	BUD	iLoc	HNN	???	_	
MORH	1.87	70.2	Lg	08:12:29.487	0.8	T__									1465100	FDSN	HU	--	BUD	iLoc	HNN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/05	23:37:36.03	0.94	0.71	48.3849	17.1712	5.8	4.4	179	4.0f		9	6	135	0.07	1.24	ke	BUD	19005432	BUD			216

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.07	99.1	Pg	23:37:37.961	-0.0					T__						1465776	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.07	99.1	Lg	23:37:39.786	0.1					T__						1465777	FDSN	SK	--	BUD	iLoc	HNN	???	_	
KRUC	0.85	323.1	Pg	23:37:52.568	0.3					T__	68.5				ML	1.8	1465778	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	0.85	323.1	Lg	23:38:04.062	-0.6					T__						1465779	FDSN	CZ	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=0)																									
RONA	0.90	220.9	Pg	23:37:53.125	-0.8					T__						1465780	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.90	220.9	Lg	23:38:06.272	0.5					T__						1465781	FDSN	OE	--	BUD	iLoc	HNN	???	_	
EGYH	0.97	173.6	Sn	23:38:10.106	-0.2					T__						1465782	FDSN	HU	--	BUD	iLoc	HNN	???	_	
CONA	0.99	243.0	Lg	23:38:09.303	0.9					T__						1465783	FDSN	OE	--	BUD	iLoc	HNN	???	_	
MPLH	1.24	168.3	Sn	23:38:16.022	-0.9					T__						1465784	FDSN	HU	--	BUD	iLoc	HNN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/06	09:17:46.96	1.40	2.07	48.3665	19.0264	14.8	5.5	20	0.0f		8	6	171	0.73	1.03	sx	BUD	19005438	BUD			314

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.73	127.3	Lg	09:18:12.167	-1.6					T__						1465921	FDSN	GE	--	BUD	iLoc	HNN	???	_	
CP17A	1.00	97.9	Lg	09:18:21.085	-1.0					T__						1465924	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
CP16A	1.01	90.8	Lg	09:18:20.541	-1.6					T__						1465923	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
JOS	1.02	82.1	Pg	09:18:08.883	1.8					T__	37.6				ML	1.6	1465919	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	1.02	82.1	Lg	09:18:20.532	-1.8					T__						1465922	FDSN	Z6	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
JAVC	1.03	299.2	Lg	09:18:21.956	-1.5					T__						1465925	FDSN	CZ	--	BUD	iLoc	HNN	???	_	
HU02A	1.03	103.2	Pg	09:18:10.225	2.1					T__	48.6				ML	1.8	1465920	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.03	103.2	Lg	09:18:22.385	-1.4					T__						1465926	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
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2023/11/06 09:38:48.24 1.78 0.84 48.4639 17.5954 13.9 4.2 126 0.0f 7 5 238 0.23 1.28 sx BUD 19005440 BUD 283

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.23	247.0	Pg	09:38:53.883	0.4					T__						1465949	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.23	247.0	Lg	09:38:56.275	-1.4					T__						1465950	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.40	7.2	Pg	09:38:56.841	0.1					T__		160.2		---	ML	1.6	1465951	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.40	7.2	Lg	09:39:03.122	-0.3					T__						1465953	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
KRUC	0.99	307.5	Lg	09:39:22.038	0.1					T__						1465954	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
VRAC	1.07	322.3	Lg	09:39:24.242	-0.1					T__						1465955	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
CONA	1.28	245.8	Pn	09:39:13.785	0.7					T__		68.4		---	ML	2.0	1465952	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/11/06 09:41:19.57 1.18 0.94 47.3120 18.2623 8.0 4.4 93 0.0f 9 7 105 0.05 1.26 sx BUD 19005442 BUD 167

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.05	358.7	Pg	09:41:21.618	0.3					T__		4366.6		---	ML	2.1	1465985	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.05	358.7	Lg	09:41:22.331	-0.8					T__						1465986	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
HU08A	0.26	297.6	Lg	09:41:29.840	-0.3					T__						1465988	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.51	254.2	Lg	09:41:38.064	-0.2					T__						1465989	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MORH	1.13	166.4	Lg	09:41:57.721	-0.6					T__						1465990	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOVH	1.23	185.3	Sn	09:42:00.026	-1.0					T__						1465993	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MODS	1.25	328.4	Sn	09:42:01.466	-0.9					T__						1465992	FDSN	SK	--	BUD	iLoc	HHN	???	_	
PSZ	1.26	60.6	Pn	09:41:44.680	1.1					T__		51.4		---	ML	1.9	1465987	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.26	60.6	Sn	09:42:01.661	-0.9					T__						1465991	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/11/06 10:12:07.37 1.52 2.47 45.9707 22.8123 17.5 4.6 76 0.0f 6 3 211 0.11 0.92 sx BUD 19005444 BUD 319

Magnitude Err Nsta Author OrigID  
 ML 1.8 0.2 3 BUD 19005444

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DEV	0.11	144.0	Pg	10:12:09.184	-0.2					T__		1027.5		---	ML	1.6	1466037	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.11	144.0	Lg	10:12:11.813	0.9					T__						1466038	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
DRGR	0.82	355.2	Pg	10:12:24.467	0.5					T__		65.7		---	ML	1.8	1466040	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	0.82	355.2	Lg	10:12:34.071	-2.4					T__						1466039	FDSN	RO	--	BUD	iLoc	HHN	???	_	

```

(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
CJR 0.92 36.0 Pg 10:12:26.882 1.3 T__ 159.5 ___ ML 2.2 1466041 FDSN RO -- BUD iLoc HHZ HHZ _
CJR 0.92 36.0 Lg 10:12:36.665 -3.1 T__ ___ 1466042 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/11/06 10:22:36.26 2.55 0.94 47.2236 18.2228 18.3 7.4 145 0.0f 4 3 253 0.14 0.47 sx BUD 19005446 BUD 307

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CSKK 0.14 10.4 Pg 10:22:39.996 0.3 T__ 228.2 ___ ML 1.1 1466060 FDSN HU -- BUD iLoc HHZ HHZ _
CSKK 0.14 10.4 Lg 10:22:42.242 -0.7 T__ ___ 1466061 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=0
HU08A 0.29 315.7 Lg 10:22:48.107 0.2 T__ ___ 1466062 FDSN Z6 00 BUD iLoc HHN ??? _
MPLH 0.47 263.7 Lg 10:22:53.060 -0.5 T__ ___ 1466063 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/11/06 11:46:00.49 3.36 1.43 47.8753 20.1597 30.8 5.8 155 0.0f 5 4 238 0.18 0.67 sx BUD 19005448 BUD 337

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
PSZ 0.18 283.7 Pg 11:46:05.477 0.5 T__ 172.1 ___ ML 1.0 1467108 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.18 283.7 Lg 11:46:07.440 -1.2 T__ ___ 1467109 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=0
HU02A 0.35 44.7 Lg 11:46:13.219 -0.9 T__ ___ 1467110 FDSN Z6 00 BUD iLoc HHN ??? _
CP17A 0.42 34.3 Lg 11:46:14.859 -0.9 T__ ___ 1467111 FDSN Z6 00 BUD iLoc HHN ??? _
JOS 0.67 22.1 Lg 11:46:25.118 0.9 T__ ___ 1467112 FDSN Z6 -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/11/06 11:55:41.96 2.82 1.25 48.6294 20.8312 17.2 7.9 10 0.0f 7 5 265 0.24 0.95 sx BUD 19005450 BUD 326

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Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
JOS 0.24 235.5 Pg 11:55:46.962 0.1 T__ 219.6 ___ ML 1.3 1467130 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.24 235.5 Lg 11:55:50.359 -0.3 T__ ___ 1467132 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
CP16A 0.35 214.1 Pg 11:55:50.003 1.0 T__ 96.8 ___ ML 1.2 1467131 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP16A 0.35 214.1 Lg 11:55:54.567 0.2 T__ ___ 1467133 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
ABAH 0.43 140.7 Lg 11:55:57.108 -1.1 T__ ___ 1467134 FDSN HU -- BUD iLoc HHN ??? _

```

HU02A	0.55	202.0	Lg	11:56:01.574	-0.6	T__	---	1467135	FDSN	Z6	00	BUD	iLoc	HNN	???	_
PSZ	0.95	221.7	Lg	11:56:14.107	-1.9	T__	---	1467136	FDSN	GE	--	BUD	iLoc	HNN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/06	12:48:18.06	1.93	1.68	47.9313	16.1209	16.7	4.5	30	0.0f	6	4	143	0.17	1.15	sx	BUD	19005452	BUD				243

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.17	269.1	Pg	12:48:21.755	-0.0					T__		108.7		---	ML	0.8	1467154	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.17	269.1	Lg	12:48:24.176	-0.2					T__				---		1467159	FDSN	OE	--	BUD	iLoc	HNN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=0)																									
RONA	0.26	152.9	Pg	12:48:23.422	-0.1					T__				---		1467155	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.26	152.9	Lg	12:48:27.326	0.0					T__				---		1467158	FDSN	OE	--	BUD	iLoc	HNN	???	_	
ARSA	0.79	210.9	Lg	12:48:43.584	0.2					T__				---		1467156	FDSN	OE	--	BUD	iLoc	HNN	???	_	
KRUC	1.15	9.1	Sn	12:49:00.164	2.9					T__				---		1467157	FDSN	CZ	--	BUD	iLoc	HNN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/06	13:10:51.80	3.28	2.49	47.3902	16.3755	25.1	6.1	121	0.0f	5	3	266	0.31	0.64	sx	BUD	19005454	BUD				337

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.31	350.2	Pg	13:10:58.767	0.4					T__				---		1467175	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.31	350.2	Lg	13:11:00.967	-2.0					T__				---		1467176	FDSN	OE	--	BUD	iLoc	HNN	???	_	
ARSA	0.60	256.8	Pg	13:11:04.473	1.1					T__		49.0		---	ML	1.5	1467177	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
ARSA	0.60	256.8	Lg	13:11:08.837	-2.1					T__				---		1467178	FDSN	OE	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=0)																									
CONA	0.64	327.4	Lg	13:11:14.753	1.7					T__				---		1467174	FDSN	OE	--	BUD	iLoc	HNN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/07	08:01:51.10	1.66	2.54	48.4663	21.4891	14.5	8.7	143	0.0f	8	6	176	0.24	1.20	sx	BUD	19005458	BUD				311

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.24	224.4	Pg	08:01:56.810	0.6					T__		278.1		---	ML	1.4	1467698	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.24	224.4	Lg	08:02:00.686	-0.0					T__				---		1467705	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
JOS	0.63	273.0	Lg	08:02:14.437	1.1					T__				---		1467702	FDSN	Z6	--	BUD	iLoc	HNN	???	_	
CP16A	0.64	259.2	Lg	08:02:12.865	-0.9					T__				---		1467699	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
KOLS	0.70	47.7	Lg	08:02:14.461	-1.5					T__				---		1467704	FDSN	SK	--	BUD	iLoc	HNN	???	_	
HU02A	0.73	242.2	Pg	08:02:06.822	0.6					T__		51.0		---	ML	1.6	1467701	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.73	242.2	Lg	08:02:13.465	-4.2					T__				---		1467700	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									

PSZ	1.20	243.4	Sn	08:02:29.586	-3.1				T__						1467703	FDSN	GE	--	BUD	iLoc	HHN	???	_		
Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp			
2023/11/07	08:53:58.35	2.39	0.15	48.1735	21.2093	18.4	5.1	140	0.0f		6	4	254	0.12	0.55	sx	BUD	19005460	BUD			317			
Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.12	9.4	Pg	08:54:01.405	0.0					T__		124.8		---	ML	0.7	1467724	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.12	9.4	Lg	08:54:04.002	-0.1					T__				---		1467728	FDSN	HU	--	BUD	iLoc	HHN	???	_	
	(Reading ML: 0.7 magdef=1)																								
	(Station ML: 0.7 magdef=1)																								
HU02A	0.46	263.9	Pg	08:54:08.133	-0.0					T__		50.5		---	ML	1.3	1467725	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.46	263.9	Lg	08:54:15.862	0.1					T__				---		1467726	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
	(Reading ML: 1.3 magdef=1)																								
	(Station ML: 1.3 magdef=1)																								
CP16A	0.48	290.9	Lg	08:54:15.585	0.2					T__				---		1467727	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
JOS	0.55	306.1	Lg	08:54:17.788	-0.1					T__				---		1467729	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp			
2023/11/07	09:21:57.89	1.33	1.54	46.0590	22.7287	9.3	7.5	87	0.0f		5	4	118	0.21	0.89	sx	BUD	19005462	BUD			213			
Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DEV	0.21	145.2	Pg	09:22:01.789	-0.2					T__		1093.7		---	ML	1.9	1467750	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.21	145.2	Lg	09:22:05.025	0.0					T__				---		1467749	FDSN	RO	--	BUD	iLoc	HHN	???	_	
	(Reading ML: 1.9 magdef=1)																								
	(Station ML: 1.9 magdef=0)																								
DRGR	0.73	359.1	Lg	09:22:23.250	-1.3					T__				---		1467747	FDSN	RO	--	BUD	iLoc	HHN	???	_	
CJR	0.89	42.3	Lg	09:22:30.830	1.6					T__				---		1467748	FDSN	RO	--	BUD	iLoc	HHN	???	_	
BZS	0.89	240.8	Lg	09:22:28.616	0.6					T__				---		1467746	FDSN	RO	--	BUD	iLoc	HHN	???	_	
Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp			
2023/11/07	09:40:30.33	2.50	1.10	48.6152	20.7613	17.7	4.9	178	0.0f		6	4	263	0.19	0.45	sx	BUD	19005464	BUD			331			
Magnitude	Err	Nsta	Author	OrigID																					
ML	1.0	0.2	3	BUD	19005464																				
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.19	231.1	Pg	09:40:34.460	0.1					T__		103.6		---	ML	0.8	1467768	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.19	231.1	Lg	09:40:36.770	-0.7					T__				---		1467769	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
	(Reading ML: 0.8 magdef=1)																								
	(Station ML: 0.8 magdef=1)																								
CP16A	0.31	208.4	Pg	09:40:37.388	0.7					T__		69.6		---	ML	1.0	1467770	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 1.0 magdef=1)																								
	(Station ML: 1.0 magdef=1)																								
CP17A	0.43	202.9	Lg	09:40:45.594	-0.2					T__				---		1467772	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ABAH	0.45	134.9	Pg	09:40:39.996	0.5					T__		61.7		---	ML	1.3	1467771	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_

ABAH 0.45 134.9 Lg 09:40:45.734 -1.5 T\_\_ --- 1467773 FDSN HU -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.3 magdef=1  
 (Station ML: 1.3 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/07	11:19:08.30	1.21	2.28	47.5579	18.3712	18.4	3.3	105	0.0f	6	4	166	0.08	1.36	sx	BUD	19005466	BUD				296
2023/11/07	11:19:07.68	0.99	1.64	47.5600	18.4573f				0.0f	6	4	207	0.09	1.35	kx	BUD_GT	19005467	BUD_GT				296

(locality: Tatabánya Hungary)  
 (GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU09A	0.09	327.2	Pg	11:19:10.959	0.8					T__		1048.3		___	ML	1.6	1467818	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU09A	0.09	327.2	Lg	11:19:11.848	-0.6					T__				___		1467819	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CSKK	0.24	214.2	Pg	11:19:13.552	0.6					T__		193.7		___	ML	1.2	1467820	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.24	214.2	Lg	11:19:16.281	-1.3					T__				___		1467823	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MPLH	0.74	238.3	Lg	11:19:32.320	-1.3					T__				___		1467821	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MORH	1.35	174.5	Sn	11:19:49.268	-2.9					T__				___		1467822	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/11/07	12:04:36.56	1.08	0.46	47.8519	16.0379	11.5	3.9	38	0.0f	5	3	188	0.14	0.70	sx	BUD	19005468	BUD					280

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.14	302.9	Pg	12:04:39.698	0.1					T__		81.4		___	ML	0.6	1467840	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.14	302.9	Lg	12:04:41.529	-0.3					T__				___		1467841	FDSN	OE	--	BUD	iLoc	HHN	???	_	
RONA	0.23	131.0	Pg	12:04:41.231	-0.2					T__				___		1467842	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.23	131.0	Lg	12:04:45.425	0.5					T__				___		1467843	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.70	210.3	Lg	12:04:58.828	0.0					T__				___		1467844	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/11/08	02:49:58.88	1.30	0.32	47.6234	16.4069	8.4	4.6	20	7.4	18.1	9	8	103	0.11	1.05	ke	BUD	19005470	BUD				160

Magnitude Err Nsta Author OrigID  
 ML 1.5 0.3 4 BUD 19005470

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.11	315.6	Pg	02:50:01.554	-0.1					T__				_c_		1469604	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
SOP	0.12	59.6	Pg	02:50:01.801	0.1					T__		139.5		___	ML	0.8	1469603	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_

(Reading ML: 0.8 magdef=1  
 (Station ML: 0.8 magdef=1



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A260A  0.40 149.1 Pg      02:50:07.042  0.0          T__      172.4      ___ ML      1.6 1469605  FDSN Z6      00 BUD  iLoc  HHZ HHZ  _
(Reading ML:  1.6 magdef=1
(Station ML:  1.6 magdef=1
CONA   0.48 309.9 Pg      02:50:08.575  0.0          T__      46.3       ___ ML      1.3 1469606  FDSN OE      -- BUD  iLoc  HHZ HHZ  _
(Reading ML:  1.3 magdef=1
(Station ML:  1.3 magdef=1
EGYH   0.66 107.9 Lg      02:50:22.063  0.4          T__
ARSA   0.71 238.4 Pg      02:50:12.527 -0.1         T__      66.8       ___ ML      1.7 1469608  FDSN OE      -- BUD  iLoc  HHZ HHZ  _
ARSA   0.71 238.4 Lg      02:50:21.682  0.1          T__      ___        ___        1469609  FDSN OE      -- BUD  iLoc  HHN ???  _
(Reading ML:  1.7 magdef=1
(Station ML:  1.7 magdef=1
MPLH   0.89 120.1 Lg      02:50:28.875 -0.5         T__      ___        ___        1469610  FDSN HU      -- BUD  iLoc  HHN ???  _
HU08A  1.05 100.0 Sn        02:50:33.718 -0.3         T__      ___        ___        1469611  FDSN Z6      00 BUD  iLoc  HHN ???  _

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Date      Time      Err    RMS Latitude Longitude Smaj Smin Az Depth  Err Ndef Nsta Gap  mdist Mdist Qual  Author      OrigID  Rep  DPdep  Err Sgp
2023/11/08 03:48:28.55  1.15  0.51  47.5697  16.3867  8.2  7.2  62  8.0f      4  3 162  0.14  0.71  ke BUD      19005472  BUD                289

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Magnitude Err Nsta Author OrigID

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Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
RDNA 0.14 334.8 Pg      03:48:32.113  0.1          T__
SOP  0.16 45.5 Pg      03:48:32.443  0.2          T__      70.3      ___ ML      0.6 1469632  FDSN HU      -- BUD  iLoc  HHZ HHZ  _
SOP  0.16 45.5 Lg      03:48:34.428 -0.4         T__      ___        ___        1469633  FDSN HU      -- BUD  iLoc  HHN ???  _
(Reading ML:  0.6 magdef=1
(Station ML:  0.6 magdef=0
A262A 0.71 172.2 Lg      03:48:51.863 -0.2          T__      ___        ___        1469634  FDSN Z6      00 BUD  iLoc  HHN ???  _

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```

Date      Time      Err    RMS Latitude Longitude Smaj Smin Az Depth  Err Ndef Nsta Gap  mdist Mdist Qual  Author      OrigID  Rep  DPdep  Err Sgp
2023/11/08 09:14:03.16  1.01  0.25  46.1572  18.2925  10.2  3.7 156  0.0f      5  3 166  0.15  0.37  sx BUD      19005474  BUD                280

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Magnitude Err Nsta Author OrigID

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Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
KOVH 0.15 242.9 Pg      09:14:06.887  0.0          T__      461.8     ___ ML      1.4 1471689  FDSN HU      -- BUD  iLoc  HHZ HHZ  _
KOVH 0.15 242.9 Lg      09:14:09.762 -0.0         T__      ___        ___        1471688  FDSN HU      -- BUD  iLoc  HHN ???  _
(Reading ML:  1.4 magdef=1
(Station ML:  1.4 magdef=1
MORH 0.25 76.6 Pg      09:14:08.867  0.1          T__      177.9     ___ ML      1.2 1471686  FDSN HU      -- BUD  iLoc  HHZ HHZ  _
MORH 0.25 76.6 Lg      09:14:12.913 -0.3         T__      ___        ___        1471687  FDSN HU      -- BUD  iLoc  HHN ???  _
(Reading ML:  1.2 magdef=1
(Station ML:  1.2 magdef=1
A266A 0.37 357.0 Lg      09:14:17.129 -0.1          T__      ___        ___        1471690  FDSN Z6      00 BUD  iLoc  HHN ???  _

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Date      Time      Err    RMS Latitude Longitude Smaj Smin Az Depth  Err Ndef Nsta Gap  mdist Mdist Qual  Author      OrigID  Rep  DPdep  Err Sgp
2023/11/08 10:21:23.00  0.98  1.43  46.9735  17.3191  7.1  4.1 141  0.0f      8  7 137  0.12  1.04  sx BUD      19005476  BUD                200
2023/11/08 10:21:23.02  0.97  2.02  46.8902  17.3220f  0.0f      8  7 90  0.13  0.97  kx BUD_GT  19005477  BUD_GT            165

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(locality: Uzsa Hungary)  
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID	Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
					BADH	0.13	129.3	Lg	10:21:30.901	1.8					T__						1471735	FDSN	HU	--	BUD	iLoc	HHN	???	_	
					A261A	0.13	297.5	Pg	10:21:26.529	0.2					T__		5580.2		---	ML	2.4	1471732	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
					(Reading ML: 2.4 magdef=1 (Station ML: 2.4 magdef=0)																									
					A263A	0.25	181.1	Lg	10:21:35.684	3.0					T__						1471734	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
					MPLH	0.32	27.9	Pg	10:21:29.339	-0.6					T__		359.8		---	ML	1.7	1471730	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
					MPLH	0.32	27.9	Lg	10:21:31.469	-3.9					T__						1471731	FDSN	HU	--	BUD	iLoc	HHN	???	_	
					(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=0)																									
					TIH	0.39	88.4	Lg	10:21:37.718	0.0					T__						1471736	FDSN	HU	--	BUD	iLoc	HHN	???	_	
					BEHE	0.56	222.0	Lg	10:21:43.314	0.6					T__						1471737	FDSN	HU	--	BUD	iLoc	HHN	???	_	
					KOVH	0.97	145.9	Lg	10:21:56.262	0.0					T__						1471733	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/08	10:24:31.96	1.03	0.72	47.8745	19.8556	7.5	4.1	167	0.0f		11	9	135	0.05	1.02	sx	BUD	19005478	BUD			202

Magnitude	Err	Nsta	Author	OrigID	Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
					PSZ	0.05	30.7	Pg	10:24:33.752	-0.0					T__		1074.6		---	ML	1.5	1471761	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
					PSZ	0.05	30.7	Lg	10:24:35.094	-0.5					T__						1471764	FDSN	GE	--	BUD	iLoc	HHN	???	_	
					(Reading ML: 1.5 magdef=1 (Station ML: 1.5 magdef=1)																									
					HU03A	0.17	279.8	Lg	10:24:39.144	-0.1					T__						1471762	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
					HU23A	0.36	131.4	Lg	10:24:45.739	-0.0					T__						1471765	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
					HU02A	0.51	60.9	Lg	10:24:50.759	-0.5					T__						1471763	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
					CP17A	0.56	51.7	Lg	10:24:52.404	0.3					T__						1471766	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
					HU10A	0.56	267.3	Lg	10:24:52.725	-0.3					T__						1471767	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
					CP16A	0.66	44.2	Lg	10:24:54.216	-1.0					T__						1471768	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
					JOS	0.77	36.1	Pg	10:24:48.777	1.4					T__		43.7		---	ML	1.6	1471770	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
					JOS	0.77	36.1	Lg	10:24:58.742	-0.4					T__						1471769	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
					(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=1)																									
					ABAH	1.02	65.0	Lg	10:25:07.505	-0.7					T__						1471771	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/08	15:07:34.79	3.79	0.69	47.5740	16.0869	32.7	7.7	22	7.0f		4	3	265	0.19	0.39	ke	BUD	19005482	BUD			337

Magnitude	Err	Nsta	Author	OrigID	Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
					RONA	0.19	48.3	Pg	15:07:39.522	0.5					T__						1472223	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
					RONA	0.19	48.3	Lg	15:07:41.524	-0.4					T__						1472224	FDSN	OE	--	BUD	iLoc	HHN	???	_	
					SOP	0.34	70.9	Pg	15:07:41.572	-0.1					T__		156.9		---	ML	1.4	1472225	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
					(Reading ML: 1.4 magdef=1 (Station ML: 1.4 magdef=1)																									
					CONA	0.39	336.9	Pg	15:07:42.652	-0.0					T__		69.1		---	ML	1.2	1472226	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_

(Reading ML: 1.2 magdef=1  
 (Station ML: 1.2 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err Sgp
2023/11/08	17:28:53.39	3.91	1.46	45.7201	17.9913	31.3	10.5	174	15.0f	6	4	285	0.23	0.83	ke	BUD	19005486	BUD		329

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.3	4 BUD	19005486

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
A273A	0.23	328.1	Pg	17:28:58.985	0.2					T__		252.9		---	ML	1.3	1472300	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A273A	0.23	328.1	Lg	17:29:01.872	-0.6					T__				---		1472301	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1 (Station ML: 1.3 magdef=1																									
KOVH	0.38	11.6	Pg	17:29:01.037	-0.4					T__		59.2		---	ML	1.1	1472299	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.1 magdef=1 (Station ML: 1.1 magdef=1																									
MORH	0.67	42.4	Pn	17:29:06.025	-0.9					T__		45.8		---	ML	1.5	1472296	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.5 magdef=1 (Station ML: 1.5 magdef=1																									
A266A	0.83	13.2	Pg	17:29:10.752	1.1					T__		149.3		---	ML	2.1	1472297	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A266A	0.83	13.2	Sn	17:29:23.420	2.0					T__				---		1472298	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.1 magdef=1 (Station ML: 2.1 magdef=1																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err Sgp
2023/11/08	17:56:43.48	0.97	0.63	47.8422	16.2109	6.3	4.2	22	9.0f	7	6	75	0.15	1.23	ke	BUD	19005488	BUD		147

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.15	158.0	Pg	17:56:47.342	0.2					T__				---		1472344	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
CONA	0.25	290.3	Pg	17:56:49.354	0.4					T__		85.6		---	ML	0.9	1472343	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.25	290.3	Lg	17:56:51.951	-0.7					T__				---		1472348	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1 (Station ML: 0.9 magdef=1																									
SOP	0.28	124.0	Pg	17:56:49.843	0.4					T__		58.1		---	ML	0.9	1472342	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 0.9 magdef=1 (Station ML: 0.9 magdef=1																									
ARSA	0.75	218.5	Lg	17:57:07.391	-0.3					T__				---		1472345	FDSN	OE	--	BUD	iLoc	HHN	???	_	
MODS	0.89	53.0	Lg	17:57:14.195	-0.5					T__				---		1472346	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KRUC	1.23	5.7	Sn	17:57:22.296	-0.6					T__				---		1472347	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err Sgp
2023/11/08	20:57:11.54	1.01	0.44	46.0691	21.5636	12.6	8.8	77	15.0f	26	25	74	0.45	4.59	ke	BUD	19005490	BUD		110

Magnitude	Err	Nsta	Author	OrigID
ML	2.7	0.1	24 BUD	19005490

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BZS	0.45	175.3	Pg	20:57:20.610	-0.1					T__		752.9		_c_	ML	2.4	1472510	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 2.4 magdef=1																						
			(Station ML: 2.4 magdef=0																						
BANR	0.75	203.7	Pg	20:57:26.340	0.3					T__		4181.5		___	ML	3.5	1472511	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 3.5 magdef=1																						
			(Station ML: 3.5 magdef=0																						
HU24A	0.89	341.8	Pn	20:57:27.676	-0.5					T__		423.4		___	ML	2.6	1472512	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU24A	0.89	341.8	Sn	20:57:40.212	-1.0					T__				---			1472504	FDSN	Z6	00	BUD	iLoc	HHN	???	_
			(Reading ML: 2.6 magdef=1																						
			(Station ML: 2.6 magdef=1																						
HU06A	0.94	313.4	Pn	20:57:29.056	0.1					T__		394.8		___	ML	2.6	1472509	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 2.6 magdef=1																						
			(Station ML: 2.6 magdef=1																						
DEV	0.95	100.8	Pn	20:57:29.137	-0.3					T__		321.5		___	ML	2.5	1472513	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 2.5 magdef=1																						
			(Station ML: 2.5 magdef=0																						
DRGR	1.07	47.3	Pn	20:57:31.154	-0.0					T__		902.4		___	ML	3.1	1472503	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 3.1 magdef=1																						
			(Station ML: 3.1 magdef=0																						
HU14A	1.10	290.7	Pn	20:57:31.241	0.2					T__		444.9		___	ML	2.8	1472514	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 2.8 magdef=1																						
			(Station ML: 2.8 magdef=1																						
HU21A	1.30	282.4	Pn	20:57:33.937	0.1					T__		221.6		___	ML	2.6	1472515	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 2.6 magdef=1																						
			(Station ML: 2.6 magdef=1																						
LTVH	1.34	9.9	Pn	20:57:35.135	0.7					T__		199.5		___	ML	2.5	1472516	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 2.5 magdef=1																						
			(Station ML: 2.5 magdef=0																						
HU13A	1.40	311.6	Pn	20:57:35.519	0.2					T__		202.7		___	ML	2.6	1472517	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 2.6 magdef=1																						
			(Station ML: 2.6 magdef=1																						
CJR	1.55	64.7	Pn	20:57:38.793	0.8					T__		524.2		___	ML	3.1	1472502	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 3.1 magdef=1																						
			(Station ML: 3.1 magdef=0																						
HU04B	1.65	297.6	Pn	20:57:38.454	-0.2					T__		191.7		___	ML	2.7	1472518	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 2.7 magdef=1																						
			(Station ML: 2.7 magdef=1																						
HU23A	1.81	330.6	Pn	20:57:41.190	0.1					T__		141.1		___	ML	2.7	1472508	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 2.7 magdef=1																						
			(Station ML: 2.7 magdef=1																						
HU01A	1.85	314.4	Pn	20:57:41.737	0.1					T__		177.1		___	ML	2.8	1472519	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 2.8 magdef=1																						
			(Station ML: 2.8 magdef=1																						
HU11A	1.88	351.8	Pn	20:57:42.410	0.5					T__		229.3		___	ML	2.9	1472520	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 2.9 magdef=1																						
			(Station ML: 2.9 magdef=1																						
MORH	2.04	275.2	Pn	20:57:43.513	-0.5					T__		52.5		___	ML	2.4	1472521	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 2.4 magdef=1																						
			(Station ML: 2.4 magdef=0																						
HU02A	2.17	341.3	Pn	20:57:45.766	-0.5					T__		75.8		___	ML	2.6	1472505	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 2.6 magdef=1																						
			(Station ML: 2.6 magdef=1																						

PSZ	2.17	328.9	Pn	20:57:45.867	-0.5	T__	87.2	---	ML	2.6	1472522	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.6 magdef=1)																			
(Station ML: 2.6 magdef=1)																			
ABAH	2.24	354.5	Pn	20:57:47.205	0.2	T__	73.3	---	ML	2.6	1472523	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.6 magdef=1)																			
(Station ML: 2.6 magdef=1)																			
HU03A	2.28	324.5	Pn	20:57:47.480	-0.0	T__	95.7	---	ML	2.7	1472524	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.7 magdef=1)																			
(Station ML: 2.7 magdef=1)																			
CP16A	2.38	343.3	Pn	20:57:49.362	0.4	T__	87.7	---	ML	2.8	1472506	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.8 magdef=1)																			
(Station ML: 2.8 magdef=1)																			
JOS	2.53	344.3	Pn	20:57:51.226	0.1	T__	49.5	---	ML	2.6	1472507	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.6 magdef=1)																			
(Station ML: 2.6 magdef=1)																			
MPLH	2.98	293.1	Pn	20:57:57.402	-0.0	T__	62.5	---	ML	3.0	1472525	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.0 magdef=1)																			
(Station ML: 3.0 magdef=1)																			
MODS	3.72	309.8	Pn	20:58:07.289	-0.6	T__		---			1472526	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MORC	4.59	325.4	Pn	20:58:20.291	0.2	T__	70.5	---	ML	3.6	1472527	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.6 magdef=1)																			
(Station ML: 3.6 magdef=0)																			

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/09	10:49:09.66	2.72	1.56	47.3772	18.4315	18.7	7.3	127	0.0f		6	5	112	0.12	1.17	sx	BUD	19005494	BUD			202

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.12	263.1	Pg	10:49:12.732	0.1					T__		904.9		---	ML	1.6	1473589	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.12	263.1	Lg	10:49:14.308	-1.2					T__				---		1473590	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=0)																									
HU09A	0.26	352.8	Lg	10:49:19.992	-0.4					T__				---		1473591	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU08A	0.35	279.1	Lg	10:49:24.336	1.1					T__				---		1473592	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	1.13	60.8	Sn	10:49:51.589	2.1					T__				---		1473594	FDSN	GE	--	BUD	iLoc	HHN	???	_	
MORH	1.17	172.8	Sn	10:49:49.375	-0.3					T__				---		1473593	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/09	11:44:02.86	1.63	1.28	48.9731	22.1503	22.1	7.2	9	0.0f		6	4	185	0.09	1.29	sx	BUD	19005500	BUD			291

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOLS	0.09	116.2	Pg	11:44:05.094	0.1					T__				---		1473915	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.09	116.2	Lg	11:44:06.483	-0.4					T__				---		1473916	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ABAH	0.91	222.1	Lg	11:44:33.640	-1.3					T__				---		1473913	FDSN	HU	--	BUD	iLoc	HHN	???	_	
JOS	1.17	246.5	Pn	11:44:26.811	1.3					T__		51.8		---	ML	1.9	1473912	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	1.17	246.5	Lg	11:44:43.488	0.8					T__				---		1473911	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									

(Station ML: 1.9 magdef=0  
 NIE 1.29 290.8 Lg 11:44:44.712 -0.9 T\_\_ --- 1473914 FDSN PL -- BUD iLoc BHN ??? \_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/11/09 12:01:55.46 0.90 1.67 47.8822 19.4010 7.9 2.6 162 0.0f 12 10 148 0.14 1.10 sx BUD 19005502 BUD 164

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
HU03A	0.14	80.7	Pg	12:01:59.978	1.3					T__		2523.0			ML	2.1	1473939	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU03A	0.14	80.7	Lg	12:02:01.022	-0.3					T__						1473940	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 2.1 magdef=1)																										
(Station ML: 2.1 magdef=1)																										
HU10A	0.26	262.0	Pg	12:02:02.246	1.1					T__		1275.9			ML	2.1	1473941	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU10A	0.26	262.0	Lg	12:02:05.269	-0.6					T__						1473942	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 2.1 magdef=1)																										
(Station ML: 2.1 magdef=1)																										
PSZ	0.33	83.6	Lg	12:02:07.308	-1.5					T__						1473943	FDSN	GE	--	BUD	iLoc	HHN	???	_		
BUD	0.47	212.7	Lg	12:02:12.353	-1.1					T__						1473944	FDSN	HU	--	BUD	iLoc	HHN	???	_		
HU23A	0.62	112.7	Lg	12:02:17.733	-0.7					T__						1473945	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
HU02A	0.79	71.9	Lg	12:02:22.504	-1.8					T__						1473946	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
CP16A	0.89	58.5	Lg	12:02:25.902	-0.9					T__						1473947	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
CSKK	0.93	236.5	Lg	12:02:26.955	-2.1					T__						1473948	FDSN	HU	--	BUD	iLoc	HHN	???	_		
JOS	0.98	50.7	Lg	12:02:28.213	-2.0					T__						1473949	FDSN	Z6	--	BUD	iLoc	HHN	???	_		
HU08A	1.10	246.2	Sn	12:02:31.636	-2.4					T__						1473950	FDSN	Z6	00	BUD	iLoc	HHN	???	_		

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/11/09 12:53:19.88 1.02 0.06 47.7156 16.1224 8.1 4.1 24 0.0f 5 3 137 0.12 0.62 sx BUD 19005504 BUD 260

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
RONA	0.12	97.6	Pg	12:53:22.569	-0.0					T__						1473969	FDSN	OE	--	BUD	iLoc	HHZ	???	_		
RONA	0.12	97.6	Lg	12:53:24.698	0.1					T__						1473968	FDSN	OE	--	BUD	iLoc	HHN	???	_		
CONA	0.28	320.6	Pg	12:53:25.528	-0.0					T__		97.9			ML	1.1	1473967	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_	
CONA	0.28	320.6	Lg	12:53:29.489	0.0					T__						1473970	FDSN	OE	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.1 magdef=1)																										
(Station ML: 1.1 magdef=0)																										
ARSA	0.62	221.4	Lg	12:53:39.679	0.0					T__						1473971	FDSN	OE	--	BUD	iLoc	HHN	???	_		

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/11/09 13:12:40.22 2.38 1.16 47.3987 16.4316 17.4 5.8 126 0.0f 6 4 240 0.30 0.66 sx BUD 19005506 BUD 307

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
SOP	0.30	16.7	Lg	13:12:51.251	0.3					T__						1473990	FDSN	HU	--	BUD	iLoc	HHN	???	_
RONA	0.31	343.1	Pg	13:12:46.596	-0.2					T__						1473988	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.31	343.1	Lg	13:12:50.408	-1.0					T__						1473991	FDSN	OE	--	BUD	iLoc	HHN	???	_

```

ARSA 0.64 256.8 Pg 13:12:52.947 0.4 T__ 79.0 ___ ML 1.8 1473992 FDSN OE -- BUD iLoc HHZ HHZ _
ARSA 0.64 256.8 Lg 13:12:59.808 -0.7 T__ ___ 1473989 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=0
CONA 0.66 324.2 Lg 13:13:03.427 1.5 T__ ___ 1473987 FDSN OE -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/11/10 10:16:33.23 1.73 0.96 48.5871 20.7730 12.1 5.1 178 0.0f 8 6 153 0.18 0.89 sx BUD 19005514 BUD 253

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Magnitude Err Nsta Author OrigID
ML 1.4 0.0 6 BUD 19005514

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
JOS 0.18 239.6 Pg 10:16:36.829 -0.2 T__ 396.7 ___ ML 1.4 1476242 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.18 239.6 Lg 10:16:39.788 -0.2 T__ ___ 1476243 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
CP16A 0.29 212.4 Pg 10:16:39.389 0.2 T__ 190.3 ___ ML 1.4 1476245 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP16A 0.29 212.4 Lg 10:16:44.371 0.6 T__ ___ 1476244 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
CP17A 0.41 205.5 Pg 10:16:41.412 -0.2 T__ 172.1 ___ ML 1.7 1476246 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=0
ABAH 0.43 133.0 Pg 10:16:41.816 -0.1 T__ 65.9 ___ ML 1.3 1476248 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=0
HU02A 0.49 199.7 Pg 10:16:42.987 -0.7 T__ 49.1 ___ ML 1.4 1476249 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
NIE 0.89 339.6 Pn 10:16:54.017 1.9 T__ 37.2 ___ ML 1.6 1476247 FDSN PL -- BUD iLoc BHZ BHZ _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1

```

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/11/10 11:06:10.76 2.65 0.68 47.8566 20.1704 25.3 4.4 162 0.0f 6 4 235 0.20 0.69 sx BUD 19005516 BUD 256

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
PSZ 0.20 288.5 Pg 11:06:15.936 0.4 T__ 231.6 ___ ML 1.2 1476296 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.20 288.5 Lg 11:06:18.513 -0.8 T__ ___ 1476297 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
HU02A 0.36 41.7 Pg 11:06:18.624 0.1 T__ 39.3 ___ ML 0.9 1476299 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.36 41.7 Lg 11:06:24.272 -0.4 T__ ___ 1476298 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=1
HU03A 0.39 277.2 Lg 11:06:24.820 -0.5 T__ ___ 1476300 FDSN Z6 00 BUD iLoc HHN ??? _
JOS 0.69 21.0 Lg 11:06:35.312 0.3 T__ ___ 1476301 FDSN Z6 -- BUD iLoc HHN ??? _

```

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/10	19:21:39.67	1.41	1.16	45.9383	16.0526	9.7	7.1	174	10.0f		6	4	180	0.07	0.89	ke	BUD	19005518	BUD			307

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PTJ	0.07	242.1	Pg	19:21:42.508	0.2					T__		203.4		___	ML	0.8	1478546	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.07	242.1	Lg	19:21:43.179	-1.3					T__				---		1478545	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=0)																									
ZAG	0.12	202.4	Pg	19:21:43.232	0.5					T__		770.0		___	ML	1.5	1478543	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.12	202.4	Lg	19:21:44.190	-0.8					T__				---		1478544	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=0)																									
CHES	0.43	255.1	Lg	19:21:55.874	1.2					T__				---		1478547	FDSN	SL	--	BUD	iLoc	BHN	???	_	
A264A	0.89	75.1	Lg	19:22:08.395	-0.4					T__				---		1478548	FDSN	Z6	00	BUD	iLoc	HNN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/11	18:52:48.73	2.27	0.52	45.8944	17.3878	20.6	5.9	37	15.0f		6	5	259	0.27	0.93	ke	BUD	19005526	BUD			302

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.3	5 BUD	19005526

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
A264A	0.27	345.6	Pg	18:52:54.819	-0.1					T__		295.4		___	ML	1.5	1479345	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A264A	0.27	345.6	Lg	18:52:59.301	0.2					T__				---		1479346	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
A273A	0.30	85.7	Pg	18:52:55.172	-0.1					T__		212.7		___	ML	1.5	1479344	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=0)																									
A265A	0.60	28.0	Pg	18:53:00.207	-0.6					T__		162.3		___	ML	2.0	1479343	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
A266A	0.88	43.7	Pg	18:53:06.509	0.6					T__		149.9		___	ML	2.2	1479342	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=0)																									
MORH	0.93	69.4	Pn	18:53:06.084	0.2					T__		51.5		___	ML	1.7	1479341	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/12	03:27:12.89	1.03	1.29	45.5114	16.3320	24.2	4.5	51	10.0f		9	6	156	0.40	1.59	ke	BUD	19005528	BUD			251

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.2	4 BUD	19005528

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L



ZAG	0.40	322.7	Pg	03:27:21.302	0.4	T__	453.0	___	ML	2.1	1479771	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.40	322.7	Lg	03:27:25.805	-0.8	T__		---			1479772	FDSN	CR	--	BUD	iLoc	BHN	???	_
(Reading ML: 2.1 magdef=1)																			
(Station ML: 2.1 magdef=1)																			
PTJ	0.47	327.3	Pg	03:27:22.473	-0.1	T__	98.1	___	ML	1.6	1479773	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.47	327.3	Lg	03:27:29.382	-0.2	T__		---			1479774	FDSN	CR	--	BUD	iLoc	BHN	???	_
(Reading ML: 1.6 magdef=1)																			
(Station ML: 1.6 magdef=1)																			
CRES	0.69	297.5	Lg	03:27:36.025	-0.4	T__		---			1479775	FDSN	SL	--	BUD	iLoc	BHN	???	_
A264A	0.93	45.6	Sn	03:27:47.437	2.7	T__		---			1479776	FDSN	Z6	00	BUD	iLoc	HHN	???	_
BLY	0.97	141.4	Pg	03:27:31.171	0.1	T__	72.6	---	ML	1.9	1479778	FDSN	MN	--	BUD	iLoc	HHZ	HHZ	_
BLY	0.97	141.4	Lg	03:27:43.775	-0.3	T__		---			1479779	FDSN	MN	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1)																			
(Station ML: 1.9 magdef=1)																			
OBKA	1.59	309.4	Pg	03:27:43.094	1.4	T__	63.6	___	ML	2.2	1479777	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.2 magdef=1)																			
(Station ML: 2.2 magdef=1)																			

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/12	17:45:27.29	3.97	2.04	47.6662	19.6745	25.6	8.2	14	10.0f		6	4	289	0.24	1.23	ke	BUD	19005530	BUD			331

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU03A	0.24	348.1	Pg	17:45:32.682	-0.1					T__		65.3		___	ML	0.8	1479804	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.24	348.1	Lg	17:45:37.058	0.3					T__				---		1479803	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=1)																									
PSZ	0.29	30.4	Pg	17:45:33.598	-0.4					T__		65.2		___	ML	0.9	1479802	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.29	30.4	Lg	17:45:38.237	-0.8					T__				---		1479807	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
HU02A	0.73	51.1	Lg	17:45:54.815	1.6					T__				---		1479805	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ABAH	1.23	58.5	Sn	17:46:09.038	3.0					T__				---		1479806	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/11/12	22:54:47.83	1.11	1.13	45.5856	16.0519	8.8	5.1	56	10.0f		13	10	164	0.25	1.92	ke	BUD	19005532	BUD					230

Magnitude Err Nsta Author OrigID  
ML 1.8 0.1 6 BUD 19005532

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ZAG	0.25	349.4	Pg	22:54:53.080	0.0					T__		634.8		___	ML	1.8	1479838	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.25	349.4	Lg	22:54:56.976	0.2					T__				---		1479842	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
PTJ	0.33	349.7	Pg	22:54:54.038	-0.8					T__		104.7		___	ML	1.2	1479837	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.33	349.7	Lg	22:54:59.041	-1.0					T__				---		1479843	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=0)																									

CRES	0.48	300.2	Pg	22:54:57.572	0.2	T__	41.6	---	ML	1.3	1479839	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.3 magdef=1)																			
(Station ML: 1.3 magdef=1)																			
KOGS	0.87	9.0	Pg	22:55:05.727	1.3	T__	77.4	---	ML	1.9	1479840	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.9 magdef=1)																			
(Station ML: 1.9 magdef=1)																			
BEHE	1.02	29.4	Sn	22:55:23.176	1.2	T__					1479844	FDSN	HU	--	BUD	iLoc	HNN	???	_
A264A	1.04	56.0	Lg	22:55:22.792	1.2	T__					1479845	FDSN	Z6	00	BUD	iLoc	HNN	???	_
BLY	1.16	135.9	Pg	22:55:08.940	-0.3	T__	58.4	---	ML	1.9	1479847	FDSN	MN	--	BUD	iLoc	HHZ	HHZ	_
BLY	1.16	135.9	Lg	22:55:24.823	-0.1	T__					1479846	FDSN	MN	--	BUD	iLoc	HNN	???	_
(Reading ML: 1.9 magdef=1)																			
(Station ML: 1.9 magdef=1)																			
A263A	1.37	39.3	Lg	22:55:32.708	0.7	T__					1479848	FDSN	Z6	00	BUD	iLoc	HNN	???	_
OBKA	1.40	312.0	Pn	22:55:15.351	1.8	T__	62.3	---	ML	2.1	1479841	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.1 magdef=1)																			
(Station ML: 2.1 magdef=0)																			
MORH	1.92	69.9	Lg	22:55:47.122	-1.7	T__					1479849	FDSN	HU	--	BUD	iLoc	HNN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/12	22:57:42.27	1.12	1.11	45.5865	16.0869	9.8	5.9	57	13.0f		10	5	161	0.25	1.14		ke BUD	19005534	BUD			291

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.0	5 BUD	19005534

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ZAG	0.25	343.8	Pg	22:57:47.652	-0.1					T__		490.7		---	ML	1.7	1479888	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.25	343.8	Lg	22:57:51.740	0.1					T__				---		1479889	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
PTJ	0.33	345.5	Pg	22:57:48.761	-0.7					T__		54.3		---	ML	1.0	1479890	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.33	345.5	Lg	22:57:54.102	-0.7					T__				---		1479883	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=0)																									
CRES	0.50	298.7	Pg	22:57:52.164	0.1					T__		46.8		---	ML	1.4	1479885	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.50	298.7	Lg	22:57:59.850	0.0					T__				---		1479884	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
KOGS	0.87	7.5	Pn	22:58:00.920	1.2					T__		59.2		---	ML	1.8	1479891	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.87	7.5	Lg	22:58:12.987	2.5					T__				---		1479886	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=0)																									
BLY	1.14	136.8	Pg	22:58:03.145	-0.2					T__		37.8		---	ML	1.7	1479892	FDSN	MN	--	BUD	iLoc	HHZ	HHZ	_
BLY	1.14	136.8	Sn	22:58:19.503	0.1					T__				---		1479887	FDSN	MN	--	BUD	iLoc	HNN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/13	06:46:30.94	0.97	1.04	47.9638	16.0700	5.3	4.3	174	0.0f		8	5	115	0.14	1.12		sx BUD	19005538	BUD			166

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.14	255.8	Pg	06:46:33.928	-0.1					T__		201.1		---	ML	1.0	1480249	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.14	255.8	Lg	06:46:35.631	-0.7					T__				---		1480250	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
RONA	0.31	149.9	Pg	06:46:36.951	-0.3					T__				---		1480252	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.31	149.9	Lg	06:46:41.210	-0.4					T__				---		1480251	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.80	207.6	Lg	06:46:58.594	2.0					T__				---		1480253	FDSN	OE	--	BUD	iLoc	HHN	???	_	
MODS	0.91	62.7	Lg	06:47:03.662	0.3					T__				---		1480254	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KRUC	1.12	11.0	Pg	06:46:53.101	0.7					T__		39.8		---	ML	1.7	1480256	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.12	11.0	Lg	06:47:08.559	-0.4					T__				---		1480255	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/13	09:01:55.59	1.78	0.49	48.5093	20.8186	14.9	6.5	20	0.0f		4	3	221	0.19	0.43	sx	BUD	19005540	BUD			301

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.19	265.9	Pg	09:01:59.363	-0.2					T__		66.9		---	ML	0.6	1480272	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.19	265.9	Lg	09:02:03.023	0.4					T__				---		1480273	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.6 magdef=1)																									
(Station ML: 0.6 magdef=0)																									
ABAH	0.35	127.1	Lg	09:02:09.410	0.2					T__				---		1480275	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU02A	0.43	206.9	Lg	09:02:11.965	0.0					T__				---		1480274	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/13	09:37:33.61	2.20	1.02	48.0045	19.0543	16.0	4.8	155	0.0f		7	6	209	0.16	1.32	sx	BUD	19005542	BUD			224

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU10A	0.16	188.6	Pg	09:37:38.058	0.7					T__		1564.4		---	ML	1.9	1480292	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU10A	0.16	188.6	Lg	09:37:39.464	-1.0					T__				---		1480293	FDSN	Z6	00	BUD	iLoc	HHE	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=0)																									
HU03A	0.38	105.2	Lg	09:37:47.657	-0.2					T__				---		1480294	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.57	98.4	Lg	09:37:54.199	-0.8					T__				---		1480295	FDSN	GE	--	BUD	iLoc	HHN	???	_	
HU08A	0.95	233.5	Lg	09:38:06.553	-1.0					T__				---		1480296	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.99	82.6	Lg	09:38:08.876	-0.9					T__				---		1480297	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	1.32	231.4	Sn	09:38:18.105	0.3					T__				---		1480298	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/13	09:40:01.25	1.51	1.54	46.0777	22.8645	14.5	8.1	76	0.0f		4	3	180	0.20	0.99	sx	BUD	19005544	BUD			289

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DEV	0.20	172.1	Pg	09:40:05.493	0.5					T__		995.1		---	ML	1.8	1480312	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.20	172.1	Lg	09:40:06.643	-1.1					T__				---		1480313	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=0)																									
DRGR	0.72	351.6	Lg	09:40:26.614	-0.9					T__				---		1480314	FDSN	RO	--	BUD	iLoc	HHN	???	_	
BZS	0.99	242.6	Lg	09:40:34.066	-0.3					T__				---		1480315	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/13	09:42:38.16	1.71	1.46	48.5270	17.4863	33.4	3.4	123	0.0f		7	4	202	0.21	1.24	sx	BUD	19005546	BUD			340

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.21	222.3	Pg	09:42:41.284	-1.6					T__				---		1480333	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.21	222.3	Lg	09:42:44.819	-2.0					T__				---		1480332	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.35	20.1	Pg	09:42:44.776	-1.0					T__		128.3		---	ML	1.4	1480334	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.35	20.1	Lg	09:42:51.249	-0.6					T__				---		1480335	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=0)																									
RONA	1.15	224.4	Pg	09:43:00.574	-0.3					T__				---		1480337	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	1.15	224.4	Lg	09:43:16.181	0.3					T__				---		1480336	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	1.24	241.7	Lg	09:43:19.205	0.6					T__				---		1480338	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/13	10:51:21.19	3.67	1.29	48.5557	20.2491	21.1	9.3	125	0.0f		8	5	310	0.20	0.71	sx	BUD	19005548	BUD			314

Magnitude Err Nsta Author OrigID  
ML 1.2 0.6 3 BUD 19005548

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.20	107.1	Pg	10:51:25.826	0.4					T__		84.4		---	ML	0.8	1480358	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.20	107.1	Lg	10:51:29.616	0.9					T__				---		1480361	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=1)																									
CP16A	0.29	137.7	Pg	10:51:27.956	0.8					T__		119.4		---	ML	1.2	1480359	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.29	137.7	Lg	10:51:32.256	0.6					T__				---		1480362	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
CP17A	0.38	152.5	Lg	10:51:34.721	-0.2					T__				---		1480360	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.47	156.9	Lg	10:51:37.285	-1.5					T__				---		1480363	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ABAH	0.71	111.1	Pg	10:51:34.060	-1.3					T__		50.6		---	ML	1.6	1480365	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.71	111.1	Lg	10:51:45.558	-1.5					T__				---		1480364	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/13	12:25:47.33	2.18	2.42	47.9631	16.1470	17.1	4.9	28	0.0f		7	5	150	0.19	1.40	sx	BUD	19005550	BUD			202

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.19	259.8	Pg	12:25:51.387	-0.0					T__		290.5		---	ML	1.3	1481026	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.19	259.8	Lg	12:25:53.857	-0.4					T__				---		1481027	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=0)																									
RONA	0.28	159.1	Pg	12:25:53.176	-0.0					T__				---		1481029	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.28	159.1	Lg	12:25:56.859	-0.4					T__				---		1481028	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.83	210.9	Lg	12:26:14.542	0.8					T__				---		1481030	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.11	8.4	Sn	12:26:28.956	3.2					T__				---		1481031	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
TREC	1.40	342.1	Sn	12:26:36.110	3.5					T__				---		1481032	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/11/14	07:36:31.33	2.71	0.98	48.0015	20.6519	18.8	5.8	15	0.0f	8	5	271		0.15	0.50	sx	BUD	19005558	BUD			333		
2023/11/14	07:36:32.16	0.96	0.68	48.0471	20.6805f				0.0f	8	5	249		0.13	0.46	kx	BUD_GT	19005559	BUD_GT			317		
(locality: Miskolc-Mexikóvölgy Hungary)																								
(GT info : GT2 explosion)																								

Magnitude Err Nsta Author OrigID  
 ML 1.5 0.0 4 BUD\_GT 19005559

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU02A	0.13	305.8	Pg	07:36:34.907	-0.5					T__		729.7		---	ML	1.5	1482483	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.13	305.8	Lg	07:36:37.385	-0.8					T__				---		1482484	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
CP17A	0.21	326.7	Pg	07:36:37.057	0.4					T__		258.8		---	ML	1.3	1482485	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.21	326.7	Lg	07:36:39.823	-0.3					T__				---		1482489	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
CP16A	0.31	342.4	Lg	07:36:44.108	0.6					T__				---		1482490	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ABAH	0.45	56.1	Pg	07:36:41.873	0.5					T__		93.2		---	ML	1.5	1482487	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.45	56.1	Lg	07:36:48.113	-1.1					T__				---		1482488	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
JOS	0.46	348.2	Pg	07:36:42.010	0.6					T__		85.7		---	ML	1.5	1482486	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/14	09:07:16.48	1.15	1.27	47.6872	19.1144	7.8	4.0	174	0.0f	10	8	186		0.17	1.25	sx	BUD	19005560	BUD			198

Magnitude Err Nsta Author OrigID  
 ML 1.9 0.5 3 BUD 19005560

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU10A	0.17	337.8	Pg	09:07:20.979	0.5					T__		3306.3		---	ML	2.3	1482663	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU10A	0.17	337.8	Lg	09:07:22.370	-1.4					T__				---		1482672	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.3 magdef=1)																									

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(Station ML: 2.3 magdef=1
HU03A 0.39 56.3 Lg 09:07:31.844 0.6 T__ --- 1482664 FDSN Z6 00 BUD iLoc HHN ??? _
HU09A 0.50 264.7 Lg 09:07:35.763 0.5 T__ --- 1482671 FDSN Z6 00 BUD iLoc HHN ??? _
PSZ 0.57 66.0 Pg 09:07:28.995 0.0 T__ 60.1 --- ML 1.6 1482666 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.57 66.0 Lg 09:07:37.029 -1.1 T__ --- 1482665 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
HU08A 0.85 252.8 Lg 09:07:45.502 -1.3 T__ --- 1482667 FDSN Z6 00 BUD iLoc HHN ??? _
HU02A 1.04 64.8 Sn 09:07:52.221 -1.8 T__ --- 1482668 FDSN Z6 00 BUD iLoc HHN ??? _
CP17A 1.08 59.9 Sn 09:07:54.558 0.4 T__ --- 1482669 FDSN Z6 00 BUD iLoc HHN ??? _
JOS 1.25 49.2 Pn 09:07:41.631 1.5 T__ 51.1 --- ML 1.9 1482670 FDSN Z6 -- BUD iLoc HHZ HHZ _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/11/14 09:37:02.30 1.48 1.41 48.6174 21.3801 8.8 8.0 6 0.0f 6 5 163 0.33 0.76 sx BUD 19005562 BUD 298

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Magnitude Err Nsta Author OrigID
ML 1.5 0.2 3 BUD 19005562

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
ABAH 0.33 196.3 Pg 09:37:09.933 0.6 T__ 97.3 --- ML 1.2 1482696 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.33 196.3 Lg 09:37:13.164 -2.1 T__ --- 1482697 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
JOS 0.57 258.0 Pg 09:37:13.822 0.1 T__ 47.0 --- ML 1.5 1482694 FDSN Z6 -- BUD iLoc HHZ HHZ _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
CP16A 0.62 244.1 Lg 09:37:24.141 -0.1 T__ --- 1482698 FDSN Z6 00 BUD iLoc HHN ??? _
KOLS 0.67 61.5 Lg 09:37:25.211 -0.9 T__ --- 1482699 FDSN SK -- BUD iLoc HHN ??? _
HU02A 0.76 229.3 Pg 09:37:18.587 0.6 T__ 52.4 --- ML 1.6 1482695 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/11/14 09:56:38.86 1.33 1.54 48.3319 19.8317 8.6 4.3 126 0.0f 11 8 175 0.42 1.13 sx BUD 19005564 BUD 230

```

```

Magnitude Err Nsta Author OrigID
ML 1.5 0.1 5 BUD 19005564

```

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
PSZ 0.42 174.2 Pg 09:56:48.282 0.3 T__ 76.2 --- ML 1.3 1482746 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.42 174.2 Lg 09:56:53.358 -1.5 T__ --- 1482747 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=0
HU03A 0.46 200.0 Lg 09:56:55.594 -0.0 T__ --- 1482751 FDSN Z6 00 BUD iLoc HHN ??? _
CP17A 0.47 103.7 Pg 09:56:50.550 2.1 T__ 98.8 --- ML 1.6 1482744 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP17A 0.47 103.7 Lg 09:56:54.750 -0.9 T__ --- 1482750 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1

```

CP16A	0.47	88.5	Lg	09:56:54.034	-1.7	T__								1482749	FDSN	Z6	00	BUD	iLoc	HHN	???	_
JOS	0.50	70.6	Pg	09:56:49.729	0.8	T__	56.8	---	ML	1.4	1482743	FDSN	Z6				--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.4 magdef=1)																						
(Station ML: 1.4 magdef=1)																						
HU02A	0.51	114.1	Pg	09:56:50.258	0.6	T__	58.9	---	ML	1.5	1482745	FDSN	Z6				00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.5 magdef=1)																						
(Station ML: 1.5 magdef=1)																						
ABAH	0.94	91.7	Pg	09:56:58.886	1.4	T__	85.2	---	ML	2.0	1482753	FDSN	HU				--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.94	91.7	Lg	09:57:10.353	-1.8	T__					1482752	FDSN	HU				--	BUD	iLoc	HHN	???	_
(Reading ML: 2.0 magdef=1)																						
(Station ML: 2.0 magdef=0)																						
NIE	1.13	15.7	Lg	09:57:15.159	-1.6	T__					1482748	FDSN	PL				--	BUD	iLoc	BHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/14	09:57:52.51	1.30	0.46	48.3345	19.8481	8.0	4.1	126	0.0f		11	8	173	0.42	1.12	sx	BUD	19005566	BUD			229

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.1	3 BUD	19005566

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.42	175.7	Pg	09:58:01.760	0.1					T__		231.9		---	ML	1.8	1482785	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.42	175.7	Lg	09:58:08.333	-0.2					T__				---		1482784	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
CP17A	0.46	104.4	Lg	09:58:08.826	-0.1					T__				---		1482788	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP16A	0.46	88.8	Lg	09:58:09.401	0.4					T__				---		1482787	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU03A	0.46	201.2	Lg	09:58:09.657	0.2					T__				---		1482786	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
JOS	0.49	70.4	Pg	09:58:02.317	-0.0					T__	185.8			---	ML	1.9	1482789	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.49	70.4	Lg	09:58:09.995	0.1					T__				---		1482790	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
HU02A	0.50	114.9	Pg	09:58:03.029	-0.1					T__	104.8			---	ML	1.7	1482791	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.50	114.9	Lg	09:58:10.433	-0.8					T__				---		1482792	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
ABAH	0.93	91.8	Lg	09:58:26.209	0.8					T__				---		1482793	FDSN	HU	--	BUD	iLoc	HHN	???	_	
NIE	1.12	15.2	Lg	09:58:29.861	-0.4					T__				---		1482794	FDSN	PL	--	BUD	iLoc	BHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/14	10:13:00.31	1.80	1.26	47.2769	18.2081	15.3	6.8	151	0.0f		5	4	161	0.09	1.19	sx	BUD	19005568	BUD			234

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.09	22.4	Pg	10:13:03.131	0.3					T__		230.4		---	ML	0.9	1482814	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.09	22.4	Lg	10:13:04.701	-0.6					T__				---		1482813	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=0)																									
HU08A	0.25	308.7	Lg	10:13:10.403	-0.1					T__				---		1482815	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.47	257.1	Lg	10:13:17.269	-0.3					T__				---		1482816	FDSN	HU	--	BUD	iLoc	HHN	???	_	

KOVH	1.19	183.6	Sn	10:13:39.180	-1.6				T__						1482817	FDSN	HU	--	BUD	iLoc	HHN	???	_		
Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp			
2023/11/14	10:23:16.34	0.98	0.62	47.9663	20.2811	7.2	3.1	143	0.0f		12	8	121	0.23	0.72	sx	BUD	19005570	BUD			197			
Magnitude	Err	Nsta	Author	OrigID																					
ML	1.6	0.2	4	BUD	19005570																				
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU02A	0.23	46.3	Pg	10:23:21.495	-0.0					T__		437.9			ML	1.6	1482842	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.23	46.3	Lg	10:23:25.311	-0.4					T__						1482848	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
PSZ	0.26	259.7	Pg	10:23:22.468	-0.0					T__		235.9			ML	1.4	1482846	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.26	259.7	Lg	10:23:26.722	-0.5					T__						1482847	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
CP17A	0.30	31.3	Lg	10:23:27.927	0.5					T__						1482843	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU23A	0.33	183.7	Lg	10:23:29.497	0.3					T__						1482849	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP16A	0.41	24.6	Pg	10:23:25.535	0.7					T__		246.5			ML	1.8	1482844	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.41	24.6	Lg	10:23:31.049	-0.3					T__						1482850	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
HU03A	0.46	262.5	Lg	10:23:33.565	0.1					T__						1482851	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
JOS	0.56	18.0	Pg	10:23:27.872	0.3					T__		63.4			ML	1.6	1482845	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.56	18.0	Lg	10:23:35.432	-0.7					T__						1482852	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
ABAH	0.72	62.4	Lg	10:23:41.696	-1.2					T__						1482853	FDSN	HU	--	BUD	iLoc	HHN	???	_	
Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp			
2023/11/14	11:17:13.61	1.22	0.45	48.6265	20.0981	9.6	4.5	73	0.0f		7	5	178	0.32	0.80	sx	BUD	19005572	BUD			282			
Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.32	113.9	Pg	11:17:20.421	0.3					T__		62.4			ML	1.0	1482877	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.32	113.9	Lg	11:17:24.860	-0.3					T__						1482879	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
CP17A	0.49	145.8	Lg	11:17:31.214	0.1					T__						1482880	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.58	150.4	Lg	11:17:34.208	-0.7					T__						1482881	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.72	190.9	Lg	11:17:39.832	-0.1					T__						1482883	FDSN	GE	--	BUD	iLoc	HHN	???	_	
NIE	0.80	9.4	Pg	11:17:28.913	0.1					T__		38.6			ML	1.5	1482878	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.80	9.4	Lg	11:17:39.978	-0.3					T__						1482882	FDSN	PL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp			



2023/11/14 18:54:37.08 0.75 0.88 48.0274 20.4216 4.4 3.1 120 5.0f 37 31 71 0.12 3.40 ke BUD 19005576 BUD 75

Magnitude Err Nsta Author OrigID  
ML 2.8 0.1 30 BUD 19005576

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU02A	0.12	36.1	Pg	18:54:39.567	-0.5					T__		20237.3		_d_	ML	2.9	1483295	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.12	36.1	Lg	18:54:41.368	-1.1					T__				---		1483296	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
		(Reading ML: 2.9 magdef=1)																							
		(Station ML: 2.9 magdef=1)																							
CP17A	0.20	17.3	Pg	18:54:41.304	-0.0					T__		15960.4		_d_	ML	3.1	1483298	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.20	17.3	Lg	18:54:44.571	0.0					T__				---		1483297	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
		(Reading ML: 3.1 magdef=1)																							
		(Station ML: 3.1 magdef=0)																							
CP16A	0.32	14.1	Pg	18:54:43.695	0.0					T__		3485.7		_d_	ML	2.7	1483299	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.32	14.1	Lg	18:54:48.845	0.2					T__				---		1483300	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
		(Reading ML: 2.7 magdef=1)																							
		(Station ML: 2.7 magdef=1)																							
PSZ	0.37	253.1	Pg	18:54:44.520	-0.7					T__		2049.0		---	ML	2.6	1483289	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
		(Reading ML: 2.6 magdef=1)																							
		(Station ML: 2.6 magdef=1)																							
HU23A	0.41	196.7	Pg	18:54:45.511	-0.3					T__		1608.0		---	ML	2.6	1483301	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
		(Reading ML: 2.6 magdef=1)																							
		(Station ML: 2.6 magdef=0)																							
JOS	0.48	9.5	Pg	18:54:46.312	-0.3					T__		1955.5		---	ML	2.9	1483302	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
		(Reading ML: 2.9 magdef=1)																							
		(Station ML: 2.9 magdef=1)																							
HU11A	0.51	101.3	Pg	18:54:47.451	-0.1					T__		1856.8		---	ML	3.0	1483303	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
		(Reading ML: 3.0 magdef=1)																							
		(Station ML: 3.0 magdef=0)																							
HU03A	0.57	257.7	Pg	18:54:48.291	-0.6					T__		1254.7		---	ML	2.9	1483304	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
		(Reading ML: 2.9 magdef=1)																							
		(Station ML: 2.9 magdef=1)																							
ABAH	0.61	63.6	Pg	18:54:48.651	-0.5					T__		1058.7		---	ML	2.9	1483290	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.61	63.6	Lg	18:54:57.869	-1.2					T__				---		1483291	FDSN	HU	--	BUD	iLoc	HHE	???	_	
		(Reading ML: 2.9 magdef=1)																							
		(Station ML: 2.9 magdef=1)																							
HU05A	0.68	134.3	Pg	18:54:50.629	-0.4					T__		3994.1		---	ML	3.5	1483305	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
		(Reading ML: 3.5 magdef=1)																							
		(Station ML: 3.5 magdef=0)																							
BSZH	0.74	188.2	Pn	18:54:52.486	-0.1					T__		780.4		---	ML	2.8	1483292	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BSZH	0.74	188.2	Lg	18:55:03.844	0.5					T__				---		1483293	FDSN	HU	--	BUD	iLoc	HHN	???	_	
		(Reading ML: 2.8 magdef=1)																							
		(Station ML: 2.8 magdef=1)																							
HU12A	0.89	161.9	Pn	18:54:54.781	0.1					T__		499.8		---	ML	2.7	1483306	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
		(Reading ML: 2.7 magdef=1)																							
		(Station ML: 2.7 magdef=1)																							
HU07A	1.00	92.1	Pn	18:54:56.234	-0.1					T__		1071.6		---	ML	3.1	1483307	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
		(Reading ML: 3.1 magdef=1)																							
		(Station ML: 3.1 magdef=0)																							
HU13A	1.07	194.3	Pn	18:54:58.583	1.3					T__		407.6		---	ML	2.7	1483308	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
		(Reading ML: 2.7 magdef=1)																							
		(Station ML: 2.7 magdef=1)																							

LTVH	1.19	122.2	Pn	18:55:00.249	1.3	T__	385.9	___	ML	2.7	1483309	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
LTVH	1.19	122.2	Lg	18:55:17.462	-0.1	T__		---			1483294	FDSN	HU	--	BUD	iLoc	HHN	???	_
			(Reading ML: 2.7 magdef=1																
			(Station ML: 2.7 magdef=1																
HU24A	1.23	155.6	Pn	18:55:01.029	1.7	T__	404.6	___	ML	2.8	1483310	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 2.8 magdef=1																
			(Station ML: 2.8 magdef=1																
A271A	1.38	231.5	Pn	18:55:02.423	0.8	T__	359.5	___	ML	2.8	1483311	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 2.8 magdef=1																
			(Station ML: 2.8 magdef=1																
HU04B	1.39	209.2	Pn	18:55:02.965	1.4	T__	325.2	___	ML	2.8	1483312	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 2.8 magdef=1																
			(Station ML: 2.8 magdef=1																
KOLS	1.53	53.0	Pg	18:55:05.253	-0.5	T__		---			1483313	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CSKK	1.60	246.3	Pn	18:55:06.365	1.6	T__	239.2	___	ML	2.8	1483314	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 2.8 magdef=1																
			(Station ML: 2.8 magdef=1																
A272A	1.62	218.2	Pn	18:55:04.926	0.1	T__	353.4	___	ML	2.9	1483315	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 2.9 magdef=1																
			(Station ML: 2.9 magdef=1																
HU08A	1.79	251.4	Pn	18:55:08.806	1.4	T__	148.4	___	ML	2.7	1483316	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 2.7 magdef=1																
			(Station ML: 2.7 magdef=1																
DRGR	1.99	127.6	Pn	18:55:11.265	0.9	T__	134.3	___	ML	2.7	1483317	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
			(Reading ML: 2.7 magdef=1																
			(Station ML: 2.7 magdef=1																
JAVC	2.01	295.5	Pn	18:55:11.852	0.8	T__	96.0	___	ML	2.6	1483318	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 2.6 magdef=1																
			(Station ML: 2.6 magdef=0																
MPLH	2.13	247.3	Pn	18:55:13.774	1.6	T__	87.2	___	ML	2.6	1483319	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 2.6 magdef=1																
			(Station ML: 2.6 magdef=0																
MORH	2.18	214.5	Pn	18:55:12.180	-0.3	T__	69.3	___	ML	2.6	1483320	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 2.6 magdef=1																
			(Station ML: 2.6 magdef=0																
KOVH	2.51	220.1	Pn	18:55:17.193	0.1	T__	71.7	___	ML	2.7	1483321	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 2.7 magdef=1																
			(Station ML: 2.7 magdef=1																
CJR	2.53	120.2	Pn	18:55:18.384	0.3	T__	259.9	___	ML	3.3	1483322	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 3.3 magdef=1																
			(Station ML: 3.3 magdef=0																
BZS	2.55	160.8	Pn	18:55:18.313	0.3	T__	41.4	___	ML	2.5	1483323	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 2.5 magdef=1																
			(Station ML: 2.5 magdef=0																
VRAC	2.84	298.2	Pn	18:55:23.001	0.6	T__	18.2	___	ML	2.3	1483324	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 2.3 magdef=1																
			(Station ML: 2.3 magdef=0																
ARSA	3.40	258.6	Pn	18:55:31.847	1.8	T__	76.1	___	ML	3.3	1483325	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
			(Reading ML: 3.3 magdef=1																
			(Station ML: 3.3 magdef=0																

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
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2023/11/14 18:58:40.74 1.31 0.94 48.0204 20.4577 11.7 3.6 138 10.0f 12 7 193 0.11 0.59 ke BUD 19005578 BUD 231

Magnitude Err Nsta Author OrigID  
 ML 1.1 0.0 6 BUD 19005578

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU02A	0.11	23.9	Pg	18:58:43.601	-0.4					T__		254.3		---	ML	1.0	1483411	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.11	23.9	Lg	18:58:45.405	-1.3					T__				---		1483417	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1 (Station ML: 1.0 magdef=0)																									
CP17A	0.20	10.2	Pg	18:58:45.537	0.3					T__		156.0		---	ML	1.1	1483412	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.20	10.2	Lg	18:58:47.614	-1.0					T__				---		1483420	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1 (Station ML: 1.1 magdef=1)																									
CP16A	0.33	9.7	Pg	18:58:48.331	0.8					T__		67.8		---	ML	1.0	1483413	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.33	9.7	Lg	18:58:52.987	0.4					T__				---		1483414	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1 (Station ML: 1.0 magdef=1)																									
PSZ	0.39	255.1	Pg	18:58:49.595	0.2					T__		47.6		---	ML	1.1	1483415	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.39	255.1	Lg	18:58:54.735	-1.0					T__				---		1483421	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1 (Station ML: 1.1 magdef=1)																									
JOS	0.48	6.5	Pg	18:58:50.958	0.5					T__		33.1		---	ML	1.2	1483416	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.48	6.5	Lg	18:58:56.853	-0.7					T__				---		1483422	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1 (Station ML: 1.2 magdef=1)																									
HU03A	0.59	258.9	Pg	18:58:54.183	1.1					T__		67.8		---	ML	1.7	1483418	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=0)																									
ABAH	0.59	61.9	Lg	18:59:02.642	1.0					T__				---		1483419	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/11/14 19:35:18.03 2.37 0.70 47.9881 20.4807 22.7 6.3 134 10.0f 6 5 247 0.14 0.51 ke BUD 19005580 BUD 351

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU02A	0.14	12.5	Pg	19:35:21.948	0.2					T__		71.6		---	ML	0.5	1483483	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.14	12.5	Lg	19:35:23.732	-1.0					T__				---		1483482	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 0.5 magdef=1 (Station ML: 0.5 magdef=0)																									
CP17A	0.23	5.0	Lg	19:35:26.891	-0.0					T__				---		1483484	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP16A	0.36	6.4	Lg	19:35:31.273	0.4					T__				---		1483485	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.40	260.2	Lg	19:35:33.108	-0.2					T__				---		1483487	FDSN	GE	--	BUD	iLoc	HHN	???	_	
JOS	0.51	4.4	Lg	19:35:35.336	-0.5					T__				---		1483486	FDSN	Z6	--	BUD	iLoc	HHN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/11/15 00:58:45.86 1.46 1.61 48.0118 20.4392 12.7 5.8 143 10.0f 6 6 194 0.12 0.61 ke BUD 19005582 BUD 306

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU02A	0.12	27.5	Pg	00:58:48.400	-0.9					T__		92.2		---	ML	0.6	1484831	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 0.6 magdef=1)																									
(Station ML: 0.6 magdef=0)																									
CP17A	0.21	13.0	Lg	00:58:53.335	-0.8					T__				---		1484836	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP16A	0.34	11.5	Lg	00:58:57.741	-0.3					T__				---		1484834	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.38	255.9	Lg	00:59:00.885	0.5					T__				---		1484835	FDSN	GE	--	BUD	iLoc	HHN	???	_	
JOS	0.49	7.8	Pg	00:58:56.808	1.1					T__		26.8		---	ML	1.1	1484833	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=0)																									
ABAH	0.61	61.7	Lg	00:59:09.391	2.2					T__				---		1484832	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/15	07:56:54.12	3.74	0.70	48.1449	19.5132	22.8	9.9	140	0.0f		4	3	285	0.25	0.68	sx	BUD	19005584	BUD			324

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU03A	0.25	166.4	Pg	07:56:59.762	0.1					T__		418.6		---	ML	1.6	1484872	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.25	166.4	Lg	07:57:03.346	-0.4					T__				---		1484871	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=0)																									
PSZ	0.34	131.4	Lg	07:57:07.958	0.3					T__				---		1484874	FDSN	GE	--	BUD	iLoc	HHN	???	_	
HU02A	0.68	91.5	Lg	07:57:18.605	-0.4					T__				---		1484873	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/15	08:24:38.01	1.10	1.35	48.6923	18.7063	9.5	4.7	19	0.0f		9	7	133	0.71	1.34	sx	BUD	19005586	BUD			174

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JAVC	0.71	284.1	Lg	08:25:02.166	-1.3					T__				---		1484897	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
HU03A	0.99	142.6	Lg	08:25:12.540	-0.4					T__				---		1484899	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MODS	1.00	252.0	Lg	08:25:13.360	-0.1					T__				---		1484898	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JOS	1.23	98.5	Pg	08:25:03.542	1.3					T__		35.7		---	ML	1.7	1484894	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	1.23	98.5	Lg	08:25:17.748	-2.1					T__				---		1484900	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
CP17A	1.29	110.8	Pn	08:25:03.221	1.0					T__		57.4		---	ML	2.0	1484896	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	1.29	110.8	Sn	08:25:19.837	-1.4					T__				---		1484901	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
MORC	1.33	325.3	Lg	08:25:21.242	0.1					T__				---		1484902	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
HU02A	1.34	114.5	Sn	08:25:23.390	0.4					T__				---		1484895	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/15	08:34:19.27	1.26	1.34	47.0619	18.2529	8.6	4.2	95	0.0f		8	6	161	0.29	0.98	sx	BUD	19005588	BUD			193

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
TIH	0.29	236.8	Pg	08:34:24.540	-1.1					T__		454.7		---	ML	1.8	1484941	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TIH	0.29	236.8	Lg	08:34:32.063	1.4					T__				---		1484938	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.8 magdef=1)		(Station ML: 1.8 magdef=1)																			
CSKK	0.30	1.0	Lg	08:34:32.247	0.7					T__				---		1484944	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU08A	0.43	328.9	Pg	08:34:28.119	-0.3					T__		103.4		---	ML	1.5	1484940	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU08A	0.43	328.9	Lg	08:34:35.242	-0.6					T__				---		1484945	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.5 magdef=1)		(Station ML: 1.5 magdef=1)																			
MPLH	0.50	282.8	Lg	08:34:39.293	1.7					T__				---		1484939	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MORH	0.89	162.2	Lg	08:34:51.491	1.3					T__				---		1484943	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOVH	0.98	186.2	Lg	08:34:54.339	0.7					T__				---		1484942	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/15	08:53:10.46	2.18	0.46	47.9192	20.4221	16.2	6.5	148	0.0f	8	6	214	0.21	0.67	sx	BUD	19005590	BUD				312
2023/11/15	08:53:11.05	0.97	0.77	47.9590	20.3545f				0.0f	8	6	202	0.20	0.68	kx	BUD_GT	19005591	BUD_GT				312
		(locality: Eger-III Hungary)																				
		(GT info : GT2 explosion)																				

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU02A	0.20	35.0	Pg	08:53:15.716	0.0					T__		162.3		---	ML	1.1	1484967	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.20	35.0	Lg	08:53:18.752	-0.8					T__				---		1484968	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.1 magdef=1)		(Station ML: 1.1 magdef=0)																			
CP17A	0.28	21.9	Lg	08:53:21.618	0.0					T__				---		1484969	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.31	262.7	Lg	08:53:24.159	0.6					T__				---		1484974	FDSN	GE	--	BUD	iLoc	HHN	???	_	
CP16A	0.40	17.9	Lg	08:53:26.165	0.5					T__				---		1484971	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
JOS	0.55	12.9	Pg	08:53:22.248	0.1					T__		26.9		---	ML	1.2	1484970	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.55	12.9	Lg	08:53:31.095	0.4					T__				---		1484972	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.2 magdef=1)		(Station ML: 1.2 magdef=0)																			
ABAH	0.68	60.0	Lg	08:53:34.568	-1.7					T__				---		1484973	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/15	09:46:11.12	2.05	1.19	48.6020	20.7961	12.0	6.8	11	0.0f	10	7	157	0.20	0.91	sx	BUD	19005592	BUD				257

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.1	4 BUD	19005592

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.20	238.2	Pg	09:46:15.125	-0.2					T__		367.7		---	ML	1.4	1485083	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.20	238.2	Lg	09:46:18.530	-0.1					T__				---		1485090	FDSN	Z6	--	BUD	iLoc	HHE	???	_	
				(Reading ML: 1.4 magdef=1)		(Station ML: 1.4 magdef=1)																			
CP16A	0.31	213.3	Pg	09:46:18.341	0.8					T__		146.9		---	ML	1.3	1485084	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_

CP16A	0.31	213.3	Lg	09:46:23.070	0.7	T__									1485085	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.3 magdef=1)																							
(Station ML: 1.3 magdef=1)																							
ABAH	0.43	135.9	Lg	09:46:26.672	-0.5	T__									1485091	FDSN	HU	--	BUD	iLoc	HHN	???	_
CP17A	0.43	206.5	Lg	09:46:26.959	0.5	T__									1485086	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU02A	0.51	200.7	Pg	09:46:21.518	-0.4	T__			50.5						1485088	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.51	200.7	Lg	09:46:28.804	-1.4	T__									1485087	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.4 magdef=1)																							
(Station ML: 1.4 magdef=1)																							
NIE	0.88	338.4	Pn	09:46:31.926	2.0	T__			22.3						1485089	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.3 magdef=1)																							
(Station ML: 1.3 magdef=1)																							
PSZ	0.91	221.7	Lg	09:46:42.528	-1.4	T__									1485092	FDSN	GE	--	BUD	iLoc	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/15	11:40:29.79	0.99	0.39	48.3750	17.3256	5.5	3.6	135	0.0f		11	7	131	0.03	1.08	sx	BUD	19005594	BUD			200

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.3	4 BUD	19005594

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MODS	0.03	267.6	Pg	11:40:31.424	0.3					T__						1485182	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.03	267.6	Lg	11:40:32.665	0.1					T__						1485183	FDSN	SK	--	BUD	iLoc	HHN	???	_
JAVC	0.54	25.2	Pg	11:40:41.290	0.3					T__		364.0				1485189	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.54	25.2	Lg	11:40:49.260	-0.4					T__						1485188	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.4 magdef=1)																								
(Station ML: 2.4 magdef=1)																								
KRUC	0.92	318.5	Pg	11:40:47.145	-0.4					T__		125.6				1485184	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.1 magdef=1)																								
(Station ML: 2.1 magdef=1)																								
RONA	0.97	226.0	Pg	11:40:48.989	0.0					T__						1485186	FDSN	OE	--	BUD	iLoc	HHZ	???	_
HU08A	1.03	156.7	Lg	11:41:06.203	0.1					T__						1485190	FDSN	Z6	00	BUD	iLoc	HHN	???	_
VRAC	1.05	332.9	Pg	11:40:49.756	0.0					T__		47.6				1485185	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
VRAC	1.05	332.9	Lg	11:41:05.349	0.2					T__						1485192	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1)																								
(Station ML: 1.8 magdef=1)																								
CONA	1.08	246.0	Pg	11:40:50.231	-0.8					T__		69.2				1485187	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	1.08	246.0	Lg	11:41:04.802	-0.2					T__						1485191	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1)																								
(Station ML: 1.9 magdef=1)																								

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/15	12:05:21.64	1.23	0.48	48.3087	19.8993	8.2	3.9	127	0.0f		10	7	166	0.39	1.14	sx	BUD	19005596	BUD			219

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.1	3 BUD	19005596

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
PSZ	0.39	180.5	Pg	12:05:30.182	-0.1					T__		139.8				1485223	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.39	180.5	Lg	12:05:36.682	-0.1					T__						1485224	FDSN	GE	--	BUD	iLoc	HHE	???	_

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(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
CP16A 0.43 85.3 Lg      12:05:37.814  0.8      T__          ---          1485221  FDSN Z6      00 BUD  iLoc  HHN ??? _
HU03A 0.45 206.5 Lg     12:05:38.561  0.3      T__          ---          1485226  FDSN Z6      00 BUD  iLoc  HHN ??? _
HU02A 0.46 113.8 Pg     12:05:31.437  0.0      T__          58.3        --- ML      1.3 1485228  FDSN Z6      00 BUD  iLoc  HHZ HHZ _
HU02A 0.46 113.8 Lg     12:05:38.919  0.0      T__          ---          1485227  FDSN Z6      00 BUD  iLoc  HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
JOS   0.47 66.1 Pg      12:05:30.693 -0.3     T__          68.1        --- ML      1.4 1485220  FDSN Z6      -- BUD  iLoc  HHZ HHZ _
JOS   0.47 66.1 Lg      12:05:38.444  0.2      T__          ---          1485225  FDSN Z6      -- BUD  iLoc  HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
ABAH  0.90 90.3 Lg      12:05:52.667 -0.8     T__          ---          1485229  FDSN HU      -- BUD  iLoc  HHN ??? _
NIE   1.14 13.2 Lg      12:06:00.237  0.3      T__          ---          1485222  FDSN PL      -- BUD  iLoc  BHN ??? _

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Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef  Nsta Gap  mdist  Mdist Qual  Author      OrigID  Rep  DPdep  Err Sgp
2023/11/16 07:46:31.24  1.00  1.47  48.4566  17.3237  8.7  3.5 109  0.0f      7  5 170  0.09  1.02  sx BUD      19005598  BUD      229

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Magnitude Err Nsta Author OrigID

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Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
MODS 0.09 200.4 Pg      07:46:33.779  0.1      T__          ---          1485343  FDSN SK      -- BUD  iLoc  HHZ ??? _
MODS 0.09 200.4 Lg     07:46:34.583 -1.3     T__          ---          1485344  FDSN SK      -- BUD  iLoc  HHN ??? _
JAVC 0.46 29.6 Pg      07:46:40.234 -0.8     T__          78.0        --- ML      1.5 1485345  FDSN CZ      -- BUD  iLoc  HHZ HHZ _
JAVC 0.46 29.6 Lg     07:46:50.879  2.2      T__          ---          1485347  FDSN CZ      -- BUD  iLoc  HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=0
KRUC  0.86 314.9 Lg      07:47:00.951  0.4      T__          ---          1485348  FDSN CZ      -- BUD  iLoc  HHN ??? _
VRAC  0.98 330.8 Lg     07:47:03.447 -0.7     T__          ---          1485349  FDSN CZ      -- BUD  iLoc  HHN ??? _
RONA  1.02 222.7 Pg     07:46:52.212  0.7      T__          ---          1485346  FDSN OE      -- BUD  iLoc  HHZ ??? _

```

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Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef  Nsta Gap  mdist  Mdist Qual  Author      OrigID  Rep  DPdep  Err Sgp
2023/11/16 08:14:36.32  1.41  1.39  47.3368  18.3637  9.1  5.5 76  0.0f      6  5 167  0.07  1.26  sx BUD      19005600  BUD      239

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Magnitude Err Nsta Author OrigID

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Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
CSKK 0.07 290.6 Pg     08:14:39.193  0.7      T__          1038.8      --- ML      1.5 1485365  FDSN HU      -- BUD  iLoc  HHZ HHZ _
CSKK 0.07 290.6 Lg     08:14:40.900  0.2      T__          ---          1485366  FDSN HU      -- BUD  iLoc  HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=0
HU09A 0.30 2.4 Lg      08:14:47.620 -0.8     T__          ---          1485368  FDSN Z6      00 BUD  iLoc  HHN ??? _
HU08A 0.31 287.7 Lg     08:14:46.743 -2.0     T__          ---          1485367  FDSN Z6      00 BUD  iLoc  HHN ??? _
MORH  1.14 170.2 Lg     08:15:14.643 -0.8     T__          ---          1485369  FDSN HU      -- BUD  iLoc  HHN ??? _
KOVH  1.26 188.4 Sn     08:15:18.587 -0.0     T__          ---          1485370  FDSN HU      -- BUD  iLoc  HHN ??? _

```

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Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef  Nsta Gap  mdist  Mdist Qual  Author      OrigID  Rep  DPdep  Err Sgp
2023/11/16 08:56:33.38  1.23  1.72  48.2391  18.6453  6.4  5.1 18  0.0f      12 11 123  0.47  1.29  sx BUD      19005602  BUD      226

```

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU10A	0.47	147.4	Pg	08:56:44.443	1.3					T__		277.8		___	ML	2.0	1485392	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU10A	0.47	147.4	Lg	08:56:50.304	-0.6					T__				___		1485395	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=0)																									
SR0	0.48	207.7	Lg	08:56:50.638	-0.7					T__				___		1485394	FDSN	SK	--	BUD	iLoc	EHN	???	_	
HU03A	0.72	117.3	Lg	08:56:59.583	0.3					T__				___		1485396	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
BUD	0.80	161.2	Lg	08:57:02.444	-0.0					T__				___		1485397	FDSN	HU	--	BUD	iLoc	HHN	???	_	
JAVC	0.90	314.1	Lg	08:57:05.054	-0.5					T__				___		1485398	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
PSZ	0.90	110.5	Lg	08:57:02.680	-3.2					T__				___		1485400	FDSN	GE	--	BUD	iLoc	HHN	???	_	
CSKK	0.91	196.6	Lg	08:57:04.966	-1.4					T__				___		1485393	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU08A	0.94	211.3	Lg	08:57:05.735	-1.1					T__				___		1485399	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	1.26	94.6	Sn	08:57:14.486	-2.0					T__				___		1485401	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP16A	1.27	84.6	Sn	08:57:15.700	-0.4					T__				___		1485402	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
JOS	1.29	77.8	Sn	08:57:14.391	-2.5					T__				___		1485403	FDSN	Z6	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/16	09:56:09.03	1.13	0.83	48.9658	21.2416	8.6	4.9	158	0.0f		7	6	145	0.66	0.97	sx	BUD	19005604	BUD			233

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.66	224.9	Pg	09:56:21.719	-0.4					T__		57.1		___	ML	1.6	1485972	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=0)																									
ABAH	0.67	180.1	Lg	09:56:32.903	-0.6					T__				___		1485975	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOLS	0.68	92.3	Pg	09:56:22.147	0.0					T__				___		1485977	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.68	92.3	Lg	09:56:32.811	-0.3					T__				___		1485978	FDSN	SK	--	BUD	iLoc	HHN	???	_	
NIE	0.77	306.6	Lg	09:56:34.583	0.1					T__				___		1485976	FDSN	PL	--	BUD	iLoc	BHN	???	_	
CP16A	0.78	217.0	Lg	09:56:37.504	1.4					T__				___		1485973	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.97	209.7	Lg	09:56:43.639	0.5					T__				___		1485974	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/16	10:20:27.93	3.16	0.90	48.6466	20.7935	25.7	6.0	175	0.0f		6	5	271	0.23	0.94	sx	BUD	19005606	BUD			335

Magnitude	Err	Nsta	Author	OrigID																					
ML	1.3	0.0	5 BUD	19005606																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.23	228.3	Pg	10:20:32.903	0.3					T__		164.0		___	ML	1.1	1486018	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.23	228.3	Lg	10:20:35.286	-1.0					T__				___		1486019	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=0)																									
CP16A	0.35	209.1	Pg	10:20:35.906	0.9					T__		98.8		___	ML	1.3	1486020	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
ABAH	0.46	139.6	Pg	10:20:37.422	0.1					T__		46.4		___	ML	1.2	1486022	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.2 magdef=1)																									



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(Station ML: 1.2 magdef=1
CP17A 0.47 203.8 Pg 10:20:37.623 0.1 T__ 74.3 ___ ML 1.5 1486021 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
PSZ 0.94 219.8 Pn 10:20:46.789 -0.7 T__ 44.8 ___ ML 1.7 1486023 FDSN GE -- BUD iLoc HHZ HHZ _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=0

```

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/11/16 10:25:10.43 0.95 0.97 47.6796 18.5344 4.5 3.4 153 0.0f 13 11 110 0.11 1.47 sx BUD 19005608 BUD 122

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU09A 0.11 248.3 Pg 10:25:13.566 0.4 T__ 611.2 ___ ML 1.4 1486057 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU09A 0.11 248.3 Lg 10:25:14.598 -1.2 T__ ___ 1486058 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
SR0 0.20 312.0 Pg 10:25:15.118 0.2 T__ 2740.7 ___ ML 2.3 1486056 FDSN SK -- BUD iLoc EHZ EHZ _
SR0 0.20 312.0 Lg 10:25:19.656 0.8 T__ ___ 1486059 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=1
HU10A 0.37 62.9 Lg 10:25:24.942 0.3 T__ ___ 1486055 FDSN Z6 00 BUD iLoc HHE ??? _
CSKK 0.37 210.5 Lg 10:25:23.869 -0.9 T__ ___ 1486060 FDSN HU -- BUD iLoc HHN ??? _
BUD 0.39 120.4 Lg 10:25:25.227 -0.2 T__ ___ 1486061 FDSN HU -- BUD iLoc HHN ??? _
HU08A 0.48 239.2 Lg 10:25:27.907 -0.6 T__ ___ 1486062 FDSN Z6 00 BUD iLoc HHN ??? _
MPLH 0.85 233.3 Lg 10:25:41.214 1.2 T__ ___ 1486063 FDSN HU -- BUD iLoc HHN ??? _
EGYH 0.86 252.6 Lg 10:25:40.667 0.3 T__ ___ 1486064 FDSN HU -- BUD iLoc HHN ??? _
PSZ 0.95 74.9 Lg 10:25:43.835 -1.0 T__ ___ 1486065 FDSN GE -- BUD iLoc HHN ??? _
MODS 1.09 309.9 Lg 10:25:47.441 -1.8 T__ ___ 1486066 FDSN SK -- BUD iLoc HHN ??? _
MORH 1.47 177.0 Sn 10:25:57.547 -0.3 T__ ___ 1486067 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/11/16 14:02:22.66 2.05 1.21 47.9004 20.1430 21.7 4.0 159 0.0f 7 5 227 0.17 0.65 sx BUD 19005610 BUD 334

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
PSZ 0.17 276.2 Pg 14:02:27.060 0.2 T__ 316.3 ___ ML 1.3 1486102 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.17 276.2 Lg 14:02:29.808 -0.5 T__ ___ 1486104 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
HU02A 0.34 49.0 Pg 14:02:30.237 0.1 T__ 46.9 ___ ML 0.9 1486103 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.34 49.0 Lg 14:02:34.729 -1.2 T__ ___ 1486105 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=1
CP17A 0.40 37.6 Lg 14:02:39.113 1.7 T__ ___ 1486106 FDSN Z6 00 BUD iLoc HHN ??? _
CP16A 0.52 30.9 Lg 14:02:40.107 -1.0 T__ ___ 1486107 FDSN Z6 00 BUD iLoc HHN ??? _
JOS 0.65 23.8 Lg 14:02:45.552 -0.2 T__ ___ 1486108 FDSN Z6 -- BUD iLoc HHN ??? _

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/11/16 19:53:46.08 0.90 0.39 47.8853 16.2904 5.0 3.9 20 3.1 24.8 12 7 84 0.19 1.44 ke BUD 19005612 BUD 143

Magnitude Err Nsta Author OrigID  
 ML 1.2 0.4 4 BUD 19005612

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.19	178.8	Pg	19:53:49.882	-0.2				T__							1486143	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.19	178.8	Lg	19:53:52.545	-0.3				T__							1486136	FDSN	OE	--	BUD	iLoc	HHN	???	_	
SOP	0.27	138.1	Pg	19:53:51.895	0.3				T__			73.5			ML	0.9	1486137	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.27	138.1	Lg	19:53:55.503	0.0				T__							1486138	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
CONA	0.29	278.6	Pg	19:53:52.164	0.1				T__			71.4			ML	1.0	1486144	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.29	278.6	Lg	19:53:56.101	-0.1				T__							1486135	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
ARSA	0.82	219.6	Lg	19:54:12.867	0.6				T__							1486139	FDSN	OE	--	BUD	iLoc	HHE	???	_	
MODS	0.82	53.2	Pg	19:54:02.453	-0.1				T__							1486141	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.82	53.2	Lg	19:54:14.919	0.0				T__							1486140	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KRUC	1.18	3.3	Pn	19:54:08.333	-0.5				T__			54.5			ML	1.9	1486145	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.18	3.3	Sn	19:54:24.835	-0.6				T__							1486142	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
VRAC	1.44	7.9	Pn	19:54:12.312	-0.2				T__			14.0			ML	1.4	1486146	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/11/17 08:21:39.06 0.99 0.66 47.3627 18.2351 5.9 3.6 176 0.0f 7 6 91 0.02 1.18 sx BUD 19005616 BUD 160

Magnitude Err Nsta Author OrigID  
 ML 1.8 0.0 5 BUD 19005616

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.02	88.5	Pg	08:21:39.964	0.1				T__			4603.4			ML	2.0	1488784	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.02	88.5	Lg	08:21:40.837	-0.1				T__							1488785	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
HU08A	0.22	288.1	Lg	08:21:48.864	0.5				T__							1488786	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU09A	0.29	19.8	Pg	08:21:45.287	-0.1				T__			375.5			ML	1.7	1488787	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=0)																									
MPLH	0.51	248.1	Pg	08:21:49.652	-0.0				T__			118.6			ML	1.8	1488788	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
A266A	0.84	178.6	Pg	08:21:55.869	-0.1				T__			269.7			ML	2.4	1488789	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=0)																									
MORH	1.18	166.1	Pn	08:22:00.340	-1.2				T__			40.5			ML	1.8	1488790	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_

(Reading ML: 1.8 magdef=1  
 (Station ML: 1.8 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/17	09:36:52.99	1.24	1.37	47.2434	18.2147	10.1	6.6	119	0.0f	4	3	149	0.12	1.07	sx	BUD	19005618	BUD				262

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.12	14.6	Pg	09:36:56.598	0.5					T__		422.2		___	ML	1.3	1489303	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.12	14.6	Lg	09:36:58.019	-1.1					T__				---		1489304	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1 (Station ML: 1.3 magdef=0																									
MPLH	0.47	261.2	Lg	09:37:09.772	-0.4					T__				---		1489305	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MORH	1.07	163.8	Lg	09:37:29.276	-0.6					T__				---		1489306	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/11/18	09:21:43.50	1.60	0.79	47.9903	20.4706	12.4	5.9	142	10.0f	9	6	200	0.14	0.60	ke	BUD	19005620	BUD					306

Magnitude Err Nsta Author OrigID  
 ML 1.2 0.0 3 BUD 19005620

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU02A	0.14	15.4	Pg	09:21:47.058	-0.1					T__		189.6		___	ML	1.0	1489659	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.14	15.4	Lg	09:21:48.683	-1.5					T__				---		1489660	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1 (Station ML: 1.0 magdef=1																									
CP17A	0.23	6.7	Pg	09:21:49.040	0.5					T__		180.8		___	ML	1.2	1489661	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.23	6.7	Lg	09:21:52.050	-0.3					T__				---		1489662	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1 (Station ML: 1.2 magdef=1																									
CP16A	0.36	7.5	Lg	09:21:56.319	0.1					T__				---		1489663	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.39	259.7	Lg	09:21:58.435	-0.1					T__				---		1489664	FDSN	GE	--	BUD	iLoc	HHN	???	_	
JOS	0.51	5.2	Pg	09:21:54.363	0.6					T__		32.5		___	ML	1.2	1489666	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.51	5.2	Lg	09:22:00.657	-0.6					T__				---		1489665	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1 (Station ML: 1.2 magdef=1																									
ABAH	0.60	59.0	Lg	09:22:05.277	0.7					T__				---		1489667	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/11/20	10:07:34.58	1.20	1.43	47.1073	17.8599	7.0	6.3	97	0.0f	6	5	115	0.23	1.04	sx	BUD	19005626	BUD					196

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MPLH	0.23	286.2	Lg	10:07:43.305	-0.7					T__				---		1494542	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU08A	0.33	7.6	Lg	10:07:46.497	-1.0					T__				---		1494543	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CSKK	0.37	46.7	Pg	10:07:43.511	1.0					T__		106.1		___	ML	1.4	1494544	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.37	46.7	Lg	10:07:47.948	-1.4					T__				---		1494541	FDSN	HU	--	BUD	iLoc	HHN	???	_	

```

(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=0
KOVH 1.03 170.7 Lg 10:08:09.761 -0.6 T__ --- 1494545 FDSN HU -- BUD iLoc HHN ??? _
MORH 1.04 148.6 Lg 10:08:09.440 -1.2 T__ --- 1494546 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/11/20 10:32:16.13 0.96 1.36 47.3006 17.6694 8.7 3.4 139 0.0f 9 7 119 0.16 1.28 sx BUD 19005628 BUD 198

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
MPLH 0.16 214.2 Pg 10:32:20.779 0.8 T__ 577.9 --- ML 1.5 1494568 FDSN HU -- BUD iLoc HHZ HHZ _
MPLH 0.16 214.2 Lg 10:32:21.911 -1.2 T__ --- 1494569 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
HU08A 0.22 52.8 Pg 10:32:22.134 1.1 T__ 560.1 --- ML 1.7 1494566 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU08A 0.22 52.8 Lg 10:32:24.449 -0.8 T__ --- 1494567 FDSN Z6 00 BUD iLoc HHE ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
CSKK 0.41 80.9 Lg 10:32:30.867 -1.1 T__ --- 1494570 FDSN HU -- BUD iLoc HHN ??? _
HU09A 0.59 54.8 Lg 10:32:36.564 -1.7 T__ --- 1494571 FDSN Z6 00 BUD iLoc HHN ??? _
RONA 1.01 293.7 Lg 10:32:48.615 -1.1 T__ --- 1494572 FDSN OE -- BUD iLoc HHN ??? _
KOVH 1.25 166.1 Sn 10:32:56.576 -1.2 T__ --- 1494573 FDSN HU -- BUD iLoc HHN ??? _
MORH 1.28 148.0 Sn 10:32:59.060 0.5 T__ --- 1494574 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/11/20 11:04:11.62 2.35 1.15 47.8427 20.1848 20.9 4.1 162 0.0f 8 6 222 0.21 0.84 sx BUD 19005630 BUD 239

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
PSZ 0.21 291.3 Pg 11:04:16.940 0.3 T__ 236.0 --- ML 1.3 1494595 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.21 291.3 Lg 11:04:19.583 -1.1 T__ --- 1494596 FDSN GE -- BUD iLoc HHE ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
HU02A 0.36 39.1 Pg 11:04:19.843 0.3 T__ 59.2 --- ML 1.1 1494598 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.36 39.1 Lg 11:04:23.755 -1.9 T__ --- 1494599 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=1
HU03A 0.40 279.0 Lg 11:04:26.676 0.1 T__ --- 1494597 FDSN Z6 00 BUD iLoc HHN ??? _
CP17A 0.44 30.0 Lg 11:04:28.502 1.0 T__ --- 1494600 FDSN Z6 00 BUD iLoc HHN ??? _
JOS 0.70 19.8 Lg 11:04:36.244 0.1 T__ --- 1494601 FDSN Z6 -- BUD iLoc HHN ??? _
ABAH 0.84 56.9 Lg 11:04:41.432 -0.6 T__ --- 1494602 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/11/20 12:44:25.84 2.42 0.73 47.8875 20.1796 25.4 4.5 160 0.0f 5 3 234 0.19 0.65 sx BUD 19005632 BUD 336

```

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.19	279.3	Pg	12:44:30.839	0.3					T__		346.7		---	ML	1.4	1494637	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.19	279.3	Lg	12:44:33.670	-0.7					T__				---		1494641	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
HU02A	0.33	44.5	Pg	12:44:33.259	0.2					T__		36.7		---	ML	0.8	1494638	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.33	44.5	Lg	12:44:38.216	-0.6					T__				---		1494639	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=1)																									
JOS	0.65	21.4	Lg	12:44:49.281	0.3					T__				---		1494640	FDSN	Z6	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/21	08:20:20.13	1.66	0.97	48.0235	19.2714	11.8	4.7	148	0.0f		7	5	196	0.25	0.97	sx	BUD	19005638	BUD			302

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU10A	0.25	223.7	Lg	08:20:29.541	-0.4					T__				---		1494801	FDSN	Z6	00	BUD	iLoc	HHE	???	_	
HU03A	0.25	118.4	Pg	08:20:26.135	0.4					T__		222.1		---	ML	1.3	1494797	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.25	118.4	Lg	08:20:30.266	0.3					T__				---		1494802	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
PSZ	0.43	103.9	Lg	08:20:35.402	-1.3					T__				---		1494803	FDSN	GE	--	BUD	iLoc	HHN	???	_	
HU02A	0.85	82.8	Pg	08:20:37.924	0.3					T__		34.1		---	ML	1.5	1494799	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.85	82.8	Lg	08:20:49.677	-1.2					T__				---		1494800	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
JOS	0.97	60.4	Lg	08:20:54.698	0.2					T__				---		1494798	FDSN	Z6	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/21	08:29:22.27	3.33	1.31	48.3760	21.3557	19.5	7.9	78	0.0f		8	6	301	0.11	1.08	sx	BUD	19005640	BUD			322

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.11	224.1	Pg	08:29:24.953	-0.1					T__		405.2		---	ML	1.2	1494824	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.11	224.1	Lg	08:29:27.913	0.4					T__				---		1494827	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
CP16A	0.55	266.7	Lg	08:29:41.925	0.3					T__				---		1494829	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
JOS	0.56	282.7	Pg	08:29:33.726	0.3					T__		35.9		---	ML	1.4	1494825	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.56	282.7	Lg	08:29:40.667	-1.3					T__				---		1494828	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
CP17A	0.59	254.8	Lg	08:29:43.487	0.4					T__				---		1494830	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.61	245.7	Lg	08:29:44.606	-0.1					T__				---		1494826	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	1.08	245.5	Sn	08:29:58.416	-2.5					T__				---		1494831	FDSN	GE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
------	------	-----	-----	----------	-----------	------	------	----	-------	-----	------	------	-----	-------	-------	------	--------	--------	-----	-------	-----	-----

2023/11/21 09:46:15.27 2.06 0.94 48.6043 20.8036 13.9 4.7 1 0.0f 10 5 258 0.21 0.92 sx BUD 19005642 BUD 322

Magnitude Err Nsta Author OrigID  
ML 1.2 0.0 5 BUD 19005642

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
JOS	0.21	238.4	Pg	09:46:19.609	0.0					T__		199.0		---	ML	1.2 1494857	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.21	238.4	Lg	09:46:22.633	-0.3					T__				---		1494858	FDSN	Z6	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.2 magdef=1 Station ML: 1.2 magdef=0)																								
CP16A	0.32	213.9	Pg	09:46:22.739	1.0					T__		101.3		---	ML	1.2 1494859	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.32	213.9	Lg	09:46:27.636	1.0					T__				---		1494860	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.2 magdef=1 Station ML: 1.2 magdef=1)																								
ABAH	0.42	136.6	Pg	09:46:24.272	0.3					T__		53.6		---	ML	1.2 1494863	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.42	136.6	Lg	09:46:30.681	-0.6					T__				---		1494864	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.2 magdef=1 Station ML: 1.2 magdef=1)																								
HU02A	0.52	201.2	Pg	09:46:25.805	-0.4					T__		39.2		---	ML	1.3 1494862	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.52	201.2	Lg	09:46:32.661	-1.8					T__				---		1494861	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.3 magdef=1 Station ML: 1.3 magdef=1)																								
PSZ	0.92	221.8	Pn	09:46:34.151	-0.3					T__		40.9		---	ML	1.6 1494866	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.92	221.8	Lg	09:46:47.799	-0.5					T__				---		1494865	FDSN	GE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1 Station ML: 1.6 magdef=0)																								

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
2023/11/21 10:09:15.23 1.14 1.37 48.9498 21.3054 9.2 5.4 157 0.0f 7 5 145 0.64 0.98 sx BUD 19005644 BUD 238

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
KOLS	0.64	91.1	Pg	10:09:27.444	-0.1					T__				---		1494911	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ABAH	0.66	183.8	Lg	10:09:40.454	1.3					T__				---		1494909	FDSN	HU	--	BUD	iLoc	HHN	???	_
JOS	0.68	228.4	Pg	10:09:29.127	0.4					T__		26.2		---	ML	1.3 1494905	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.68	228.4	Lg	10:09:36.621	-2.3					T__				---		1494906	FDSN	Z6	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.3 magdef=1 Station ML: 1.3 magdef=1)																								
NIE	0.81	305.8	Lg	10:09:42.498	0.4					T__				---		1494910	FDSN	PL	--	BUD	iLoc	BHN	???	_
HU02A	0.98	212.3	Pn	10:09:35.088	-0.2					T__		36.7		---	ML	1.6 1494908	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.98	212.3	Lg	10:09:50.078	0.4					T__				---		1494907	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1 Station ML: 1.6 magdef=1)																								

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
2023/11/21 10:32:12.19 0.97 0.79 47.8560 16.0493 6.9 3.9 32 0.0f 7 5 89 0.15 1.23 sx BUD 19005646 BUD 166

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.15	299.9	Pg	10:32:15.404	0.1					T__		123.7		---	ML	0.8	1494930	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.15	299.9	Lg	10:32:16.852	-0.7					T__				---		1494931	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=0)																									
RONA	0.23	133.1	Pg	10:32:16.953	-0.1					T__				---		1494932	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.23	133.1	Lg	10:32:19.795	-0.6					T__				---		1494933	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.70	210.7	Lg	10:32:35.557	0.9					T__				---		1494934	FDSN	OE	--	BUD	iLoc	HHN	???	_	
MODS	0.97	57.4	Lg	10:32:47.586	0.7					T__				---		1494935	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KRUC	1.23	10.7	Sn	10:32:52.867	-0.5					T__				---		1494936	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/21	10:49:17.89	1.04	0.46	47.9401	16.0542	7.0	4.4	27	0.0f		6	3	134	0.13	1.15	sx	BUD	19005648	BUD			253

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.13	264.8	Pg	10:49:20.642	-0.1					T__		147.0		---	ML	0.8	1494953	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.13	264.8	Lg	10:49:22.877	0.1					T__				---		1494954	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=1)																									
RONA	0.29	145.8	Pg	10:49:23.681	-0.3					T__				---		1494956	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.29	145.8	Lg	10:49:28.573	0.5					T__				---		1494955	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.15	11.3	Pg	10:49:40.283	0.4					T__		30.4		---	ML	1.6	1494958	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.15	11.3	Lg	10:49:56.380	-0.4					T__				---		1494957	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/21	11:00:23.87	1.14	0.75	48.1251	16.9937	10.3	4.8	135	0.0f		8	6	190	0.31	1.32	sx	BUD	19005650	BUD			196

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.31	37.2	Pg	11:00:30.713	-0.0					T__				---		1494979	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.31	37.2	Lg	11:00:35.998	-0.2					T__				---		1494983	FDSN	SK	--	BUD	iLoc	HHN	???	_	
RONA	0.63	228.0	Lg	11:00:45.282	0.2					T__				---		1494984	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.78	255.9	Lg	11:00:49.710	-0.0					T__				---		1494985	FDSN	OE	--	BUD	iLoc	HHN	???	_	
JAVC	0.86	31.3	Pn	11:00:44.414	1.5					T__		57.5		---	ML	1.7	1494980	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
KRUC	1.02	337.3	Pg	11:00:43.435	0.0					T__		37.0		---	ML	1.6	1494981	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.02	337.3	Lg	11:00:58.381	-0.1					T__				---		1494982	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
ARSA	1.32	229.2	Lg	11:01:05.381	-0.6					T__				---		1494986	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/21	12:43:20.38	1.89	0.80	48.5977	20.9208	14.3	4.6	11	0.0f		7	4	171	0.27	0.92	sx	BUD	19005652	BUD			256

Magnitude Err Nsta Author OrigID  
ML 1.2 0.1 4 BUD 19005652

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.27	248.2	Pg	12:43:25.848	-0.1					T__		128.4		---	ML	1.2	1495008	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.27	248.2	Lg	12:43:30.340	0.0					T__				---		1495009	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
CP16A	0.36	224.9	Pg	12:43:28.147	0.4					T__		154.1		---	ML	1.5	1495010	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.36	224.9	Lg	12:43:32.661	-0.6					T__				---		1495011	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
ABAH	0.37	144.8	Pg	12:43:27.977	-0.0					T__		62.6		---	ML	1.1	1495013	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.37	144.8	Lg	12:43:34.407	-0.1					T__				---		1495012	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
NIE	0.92	333.8	Pn	12:43:41.092	1.4					T__		20.6		---	ML	1.3	1495014	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/21	16:48:45.06	1.44	0.98	48.0073	20.4930	11.8	4.1	136	10.0f		10	6	198	0.12	0.58	ke	BUD	19005654	BUD			303

Magnitude Err Nsta Author OrigID  
ML 0.9 0.2 4 BUD 19005654

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU02A	0.12	10.6	Pg	16:48:48.111	-0.3					T__		139.4		---	ML	0.8	1495043	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.12	10.6	Lg	16:48:49.535	-1.6					T__				---		1495044	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=1)																									
CP17A	0.21	3.2	Pg	16:48:50.141	0.4					T__		83.9		---	ML	0.8	1495046	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.21	3.2	Lg	16:48:53.112	-0.2					T__				---		1495045	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=1)																									
CP16A	0.34	5.3	Lg	16:48:57.431	0.2					T__				---		1495047	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.41	257.7	Pg	16:48:54.887	0.7					T__		38.2		---	ML	1.0	1495049	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.41	257.7	Lg	16:48:59.539	-1.2					T__				---		1495048	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
JOS	0.49	3.6	Pg	16:48:55.909	1.0					T__		24.5		---	ML	1.1	1495051	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.49	3.6	Lg	16:49:01.487	-0.8					T__				---		1495050	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
ABAH	0.58	59.7	Lg	16:49:06.013	0.5					T__				---		1495052	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/22	08:31:41.26	1.83	0.81	48.4153	19.5018	11.0	5.4	111	0.0f		10	8	214	0.52	1.17	sx	BUD	19005656	BUD			270



Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU03A	0.52	172.7	Lg	08:32:00.192	0.1					T__						1495344	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.56	152.0	Pg	08:31:53.641	0.2					T__		67.1		---	ML	1.6	1495341	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.56	152.0	Lg	08:32:01.378	-0.8					T__				---		1495345	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
JOS	0.70	83.0	Pg	08:31:55.002	-0.1					T__		69.1		---	ML	1.7	1495337	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.70	83.0	Lg	08:32:05.194	-0.4					T__				---		1495336	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
CP16A	0.70	95.7	Lg	08:32:06.736	1.0					T__				---		1495340	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP17A	0.70	105.9	Lg	08:32:06.371	0.3					T__				---		1495338	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.74	112.8	Lg	08:32:07.439	-0.9					T__				---		1495342	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
NIE	1.13	27.4	Lg	08:32:19.007	-0.2					T__				---		1495343	FDSN	PL	--	BUD	iLoc	BHN	???	_	
ABAH	1.17	95.2	Sn	08:32:22.658	1.3					T__				---		1495339	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/22	08:49:21.61	2.41	0.84	48.4435	19.5348	13.9	7.2	89	0.0f		8	6	231	0.58	1.10		sx BUD	19005658	BUD			289

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
PSZ	0.58	155.3	Lg	08:49:42.197	-0.9					T__				---		1495369	FDSN	GE	--	BUD	iLoc	HHN	???	_	
JOS	0.67	85.2	Pg	08:49:34.920	-0.1					T__		43.7		---	ML	1.5	1495366	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.67	85.2	Lg	08:49:44.644	-0.5					T__				---		1495371	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
CP16A	0.68	98.2	Lg	08:49:45.511	0.1					T__				---		1495372	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP17A	0.69	108.7	Lg	08:49:45.806	-0.2					T__				---		1495373	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.74	115.6	Pg	08:49:38.180	1.3					T__		39.0		---	ML	1.5	1495368	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.74	115.6	Lg	08:49:47.601	-0.8					T__				---		1495367	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
NIE	1.10	27.1	Lg	08:49:57.973	-0.4					T__				---		1495370	FDSN	PL	--	BUD	iLoc	BHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/22	09:39:50.03	1.05	1.13	48.5058	20.7670	5.1	4.3	14	0.0f		10	8	84	0.15	1.09		sx BUD	19005662	BUD			159

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.1	5 BUD	19005662

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
JOS	0.15	266.3	Pg	09:39:52.431	-0.9					T__		385.7		---	ML	1.3	1495429	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.15	266.3	Lg	09:39:55.946	0.1					T__				---		1495430	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
CP16A	0.22	222.8	Lg	09:39:59.999	1.7					T__				---		1495431	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP17A	0.33	210.9	Lg	09:40:02.154	-0.0					T__				---		1495432	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

ABAH	0.38	123.5	Pg	09:39:57.370	-0.5	T__	86.2	___	ML	1.3	1495435	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.3 magdef=1)																			
(Station ML: 1.3 magdef=0)																			
HU02A	0.42	202.9	Pg	09:39:58.630	-0.3	T__	77.5	___	ML	1.3	1495434	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.42	202.9	Lg	09:40:07.102	1.3	T__		---			1495433	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.3 magdef=1)																			
(Station ML: 1.3 magdef=1)																			
PSZ	0.83	225.1	Pg	09:40:06.774	-0.8	T__	97.7	___	ML	2.0	1495436	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.0 magdef=1)																			
(Station ML: 2.0 magdef=0)																			
NIE	0.96	341.5	Pg	09:40:08.965	0.7	T__	34.9	___	ML	1.6	1495437	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.6 magdef=1)																			
(Station ML: 1.6 magdef=1)																			
KOLS	1.09	66.2	Lg	09:40:26.055	-1.5	T__		---			1495438	FDSN	SK	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/22	09:54:27.84	1.11	1.10	47.5859	18.4980	6.4	4.8	65	0.0f	5	3	161	0.09	0.37	sx	BUD	19005664	BUD				271
2023/11/22	09:54:28.12	1.00	1.09	47.5600	18.4573f				0.0f	5	3	133	0.09	0.39	kx	BUD_GT	19005665	BUD_GT				246
(locality: Tatabánya Hungary)																						
(GT info : GT2 explosion)																						

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU09A	0.09	327.2	Pg	09:54:30.748	0.2					T__		557.7		___	ML	1.3	1495462	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU09A	0.09	327.2	Lg	09:54:31.807	-1.1					T__				---		1495466	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=0)																									
CSKK	0.24	214.2	Pg	09:54:34.363	1.0					T__		71.8		___	ML	0.8	1495464	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.24	214.2	Lg	09:54:38.107	0.1					T__				---		1495463	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=0)																									
BUD	0.39	101.0	Lg	09:54:41.758	-1.6					T__				---		1495465	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/11/22	10:01:42.13	1.39	0.81	48.5905	17.6463	11.1	3.5	112	0.0f	11	6	222	0.27	1.36	sx	BUD	19005666	BUD					269

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.4	3 BUD	19005666

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
JAVC	0.27	3.4	Pg	10:01:48.149	0.1					T__		309.0		___	ML	1.5	1495494	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.27	3.4	Lg	10:01:52.751	-0.1					T__				---		1495493	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
MODS	0.33	228.6	Pg	10:01:49.628	0.4					T__				---		1495491	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.33	228.6	Lg	10:01:53.737	-1.1					T__				---		1495492	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KRUC	0.95	300.2	Lg	10:02:14.223	-0.1					T__				---		1495495	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
VRAC	1.00	316.4	Pg	10:02:01.369	0.3					T__		16.4		___	ML	1.3	1495498	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
VRAC	1.00	316.4	Lg	10:02:15.100	-0.6					T__				---		1495499	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

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(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
RONA 1.27 225.9 Pn 10:02:07.504 0.8 T__ --- 1495497 FDSN OE -- BUD iLoc HHZ ??? _
RONA 1.27 225.9 Lg 10:02:22.550 -1.1 T__ --- 1495496 FDSN OE -- BUD iLoc HHN ??? _
CONA 1.36 241.6 Pn 10:02:09.330 1.2 T__ 90.2 --- ML 2.2 1495501 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 1.36 241.6 Lg 10:02:26.932 0.4 T__ --- 1495500 FDSN OE -- BUD iLoc HHN ??? _

```

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(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/11/22 10:14:25.08 1.36 0.97 48.2697 19.8885 10.1 3.6 138 0.0f 10 6 214 0.35 0.49 sx BUD 19005668 BUD 242

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```

Magnitude Err Nsta Author OrigID
ML 1.6 0.0 4 BUD 19005668

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
PSZ 0.35 179.3 Pg 10:14:33.195 0.2 T__ 220.8 --- ML 1.6 1495528 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.35 179.3 Lg 10:14:39.367 0.5 T__ --- 1495529 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
HU03A 0.41 208.0 Pg 10:14:33.889 -0.1 T__ 133.1 --- ML 1.6 1495531 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU03A 0.41 208.0 Lg 10:14:40.097 -0.3 T__ --- 1495530 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
CP17A 0.42 96.7 Lg 10:14:41.119 0.9 T__ --- 1495534 FDSN Z6 00 BUD iLoc HHN ??? _
CP16A 0.44 80.3 Lg 10:14:41.558 0.7 T__ --- 1495535 FDSN Z6 00 BUD iLoc HHN ??? _
HU02A 0.45 108.9 Pg 10:14:34.838 0.1 T__ 102.2 --- ML 1.6 1495532 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.45 108.9 Lg 10:14:39.878 -2.2 T__ --- 1495533 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
JOS 0.49 62.2 Pg 10:14:34.820 -0.1 T__ 118.2 --- ML 1.7 1495536 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.49 62.2 Lg 10:14:42.416 -0.1 T__ --- 1495537 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/11/22 10:39:59.66 1.05 0.46 46.1019 18.1224 13.2 3.1 143 0.0f 6 4 156 0.02 1.14 sx BUD 19005670 BUD 267

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
KOVH 0.02 229.0 Pg 10:40:00.552 -0.0 T__ 799.7 --- ML 1.3 1495591 FDSN HU -- BUD iLoc HHZ HHZ _
KOVH 0.02 229.0 Lg 10:40:02.031 0.2 T__ --- 1495592 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
MORH 0.38 72.5 Pg 10:40:07.851 0.1 T__ 57.5 --- ML 1.1 1495588 FDSN HU -- BUD iLoc HHZ HHZ _
MORH 0.38 72.5 Lg 10:40:13.639 -0.4 T__ --- 1495589 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=1
A266A 0.44 13.0 Lg 10:40:15.903 0.0 T__ --- 1495590 FDSN Z6 00 BUD iLoc HHN ??? _

```

MPLH 1.14 339.6 Sn 10:40:38.034 -0.7 T\_\_ --- 1495593 FDSN HU -- BUD iLoc HHN ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/22	10:47:21.36	0.94	1.10	46.9007	17.3138	5.2	4.1	19	0.0f		12	11	66	0.12	1.15	sx	BUD	19005672	BUD			122
2023/11/22	10:47:21.17	0.94	0.68	46.8902	17.3220f				0.0f		12	11	63	0.13	1.13	kx	BUD_GT	19005673	BUD_GT			121

(locality: Uzza Hungary)  
(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
BADH	0.13	129.3	Lg	10:47:27.650	0.4					T__						1495620	FDSN	HU	--	BUD	iLoc	HHN	???	_
A261A	0.13	297.5	Pg	10:47:24.595	0.1					T__	11003.0			ML	2.7	1495618	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A261A	0.13	297.5	Lg	10:47:26.968	-0.3					T__						1495619	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.7 magdef=1 Station ML: 2.7 magdef=0)																								
A263A	0.25	181.1	Lg	10:47:30.342	-0.5					T__						1495621	FDSN	Z6	00	BUD	iLoc	HHN	???	_
MPLH	0.32	27.9	Pg	10:47:27.254	-0.9					T__	942.1			ML	2.2	1495622	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.2 magdef=1 Station ML: 2.2 magdef=0)																								
TIH	0.39	88.4	Lg	10:47:37.146	1.3					T__						1495623	FDSN	HU	--	BUD	iLoc	HHN	???	_
EGYH	0.53	0.7	Lg	10:47:41.123	0.6					T__						1495624	FDSN	HU	--	BUD	iLoc	HHN	???	_
A266A	0.74	119.0	Sn	10:47:50.358	-0.1					T__						1495626	FDSN	Z6	00	BUD	iLoc	HHN	???	_
KOGS	0.86	239.5	Lg	10:47:50.327	0.9					T__						1495625	FDSN	SL	--	BUD	iLoc	BHN	???	_
KOVH	0.97	145.9	Lg	10:47:55.025	0.6					T__						1495627	FDSN	HU	--	BUD	iLoc	HHN	???	_
HU09A	1.04	43.6	Sn	10:47:58.674	0.6					T__						1495628	FDSN	Z6	00	BUD	iLoc	HHN	???	_
MORH	1.13	126.0	Sn	10:47:59.909	0.1					T__						1495629	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/22	10:57:35.58	1.03	1.07	46.0671	22.8106	9.1	4.4	79	0.0f		8	5	112	0.19	0.95	sx	BUD	19005674	BUD			194

Magnitude Err Nsta Author OrigID  
ML 1.8 0.2 3 BUD 19005674

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
DEV	0.19	160.6	Pg	10:57:39.239	-0.1					T__	980.7			ML	1.8	1495651	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.19	160.6	Lg	10:57:42.416	0.4					T__						1495652	FDSN	RO	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=1)																								
DRGR	0.73	354.6	Pg	10:57:50.760	0.5					T__	65.6			ML	1.7	1495654	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DRGR	0.73	354.6	Lg	10:58:00.109	-1.9					T__						1495653	FDSN	RO	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=1)																								
CJR	0.85	39.9	Lg	10:58:05.194	-0.2					T__						1495658	FDSN	RO	--	BUD	iLoc	HHN	???	_
LOT	0.91	132.3	Pg	10:57:53.463	0.4					T__	111.0			ML	2.1	1495656	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
LOT	0.91	132.3	Lg	10:58:05.295	-1.2					T__						1495655	FDSN	RO	--	BUD	iLoc	HHN	???	_
(Reading ML: 2.1 magdef=1 Station ML: 2.1 magdef=1)																								
BZS	0.95	242.1	Lg	10:58:07.194	-0.2					T__						1495657	FDSN	RO	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/23	03:12:58.40	0.90	0.70	47.8261	16.1693	6.2	3.5	29	2.0	22.3	13	8	78	0.15	1.44	ke	BUD	19005680	BUD			150

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.7	5 BUD	19005680

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.15	145.8	Pg	03:13:01.876	0.2					T__				_c_	1495810	FDSN	OE	--	BUD	iLoc	HHZ	???	_		
RONA	0.15	145.8	Lg	03:13:03.478	-0.6					T__				---	1495811	FDSN	OE	--	BUD	iLoc	HHN	???	_		
CONA	0.23	296.4	Pg	03:13:02.989	-0.2					T__		248.9		---	ML	1.3	1495808	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.23	296.4	Lg	03:13:07.276	0.7					T__				---		1495809	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
SOP	0.30	118.4	Pg	03:13:04.596	0.1					T__		114.6		---	ML	1.2	1495812	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.30	118.4	Lg	03:13:09.120	0.4					T__				---		1495813	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=0)																									
ARSA	0.72	217.5	Pg	03:13:12.206	-0.2					T__		90.9		---	ML	1.9	1495814	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
MODS	0.92	53.2	Pg	03:13:16.862	0.0					T__				---		1495815	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.92	53.2	Lg	03:13:30.118	-0.5					T__				---		1495816	FDSN	SK	--	BUD	iLoc	HHN	???	_	
MPLH	1.14	124.7	Sn	03:13:35.802	-1.0					T__				---		1495817	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KRUC	1.25	6.9	Pn	03:13:21.719	-0.5					T__		130.7		---	ML	2.3	1495819	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.25	6.9	Sn	03:13:38.956	-0.6					T__				---		1495818	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=1)																									
JAVC	1.44	43.5	Pn	03:13:26.314	1.1					T__		157.2		---	ML	2.5	1495820	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.5 magdef=1)																									
(Station ML: 2.5 magdef=0)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/23	03:18:04.11	1.17	0.43	47.8145	16.1664	8.3	3.8	31	5.7	19.4	9	6	81	0.14	1.26	ke	BUD	19005682	BUD			156

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.5	3 BUD	19005682

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.14	142.6	Pg	03:18:07.568	0.1					T__				_c_	1495849	FDSN	OE	--	BUD	iLoc	HHZ	???	_		
RONA	0.14	142.6	Lg	03:18:09.157	-0.6					T__				---		1495850	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.23	299.1	Pg	03:18:08.965	-0.1					T__		171.6		---	ML	1.2	1495851	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.23	299.1	Lg	03:18:12.964	0.4					T__				---		1495852	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
SOP	0.30	116.3	Lg	03:18:14.662	0.3					T__				---		1495853	FDSN	HU	--	BUD	iLoc	HHN	???	_	
ARSA	0.71	217.9	Pg	03:18:18.012	0.1					T__		92.4		---	ML	1.9	1495854	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
MODS	0.93	52.7	Pg	03:18:22.696	-0.0					T__				---		1495855	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KRUC	1.26	6.9	Pn	03:18:27.242	-0.4					T__		95.1		---	ML	2.2	1495856	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_

KRUC 1.26 6.9 Sn 03:18:44.698 -0.2 T\_\_ --- 1495857 FDSN CZ -- BUD iLoc HHN ??? \_  
 (Reading ML: 2.2 magdef=1  
 (Station ML: 2.2 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/23	10:45:56.32	1.49	1.68	47.2372	18.3583	9.9	5.9	88	0.0f	7	5	196	0.14	1.16	sx	BUD	19005684	BUD				225

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
CSKK	0.14	332.2	Pg	10:46:00.102	0.3					T__		198.8		---	ML	1.0	1496384	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.14	332.2	Lg	10:46:02.050	-1.0					T__				---		1496385	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU08A	0.35	303.5	Lg	10:46:10.924	0.8					T__				---		1496386	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.56	263.4	Pg	10:46:09.156	1.2					T__		66.4		---	ML	1.6	1496388	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.56	263.4	Lg	10:46:14.011	-2.7					T__				---		1496387	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MORH	1.04	169.0	Lg	10:46:31.449	-0.8					T__				---		1496389	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOVH	1.16	188.9	Sn	10:46:35.452	-0.7					T__				---		1496390	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/11/23	10:49:21.00	1.11	0.21	47.8854	16.0779	9.5	4.0	36	0.0f	7	4	131	0.15	1.20	sx	BUD	19005686	BUD					214

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
CONA	0.15	286.5	Pg	10:49:24.187	-0.1					T__		225.2		---	ML	1.1	1496410	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.15	286.5	Lg	10:49:26.657	0.1					T__				---		1496411	FDSN	OE	--	BUD	iLoc	HHN	???	_	
RONA	0.24	141.5	Pg	10:49:25.880	-0.1					T__				---		1496412	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.24	141.5	Lg	10:49:29.723	0.2					T__				---		1496413	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.74	210.8	Lg	10:49:44.669	0.1					T__				---		1496414	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.20	10.0	Pg	10:49:43.946	-0.0					T__		103.5		---	ML	2.2	1496416	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.20	10.0	Sn	10:50:01.703	0.3					T__				---		1496415	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/11/23	11:32:12.58	1.15	1.35	46.0032	22.9368	18.1	4.5	90	0.0f	7	4	157	0.12	0.81	sx	BUD	19005688	BUD					302

Magnitude Err Nsta Author OrigID  
 ML 1.7 0.2 3 BUD 19005688

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
DEV	0.12	191.0	Pg	11:32:14.116	-0.8					T__		890.0		---	ML	1.6	1496437	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.12	191.0	Lg	11:32:16.692	0.1					T__				---		1496438	FDSN	RO	--	BUD	iLoc	HHE	???	_	

```

(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
GZR 0.62 190.5 Pg 11:32:25.495 1.0 T__ 72.1 ___ ML 1.7 1496442 FDSN RO -- BUD iLoc HHZ HHZ _
GZR 0.62 190.5 Lg 11:32:34.523 1.2 T__ ___ 1496443 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
DRGR 0.80 348.9 Pg 11:32:29.041 0.3 T__ 73.6 ___ ML 1.8 1496441 FDSN RO -- BUD iLoc HHZ HHZ _
DRGR 0.80 348.9 Lg 11:32:39.176 -2.0 T__ ___ 1496440 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
LOT 0.81 133.3 Lg 11:32:39.261 -0.6 T__ ___ 1496439 FDSN RO -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/11/23 14:14:14.87 2.14 0.44 47.8102 20.1768 16.7 4.4 165 0.0f 10 7 228 0.22 0.86 sx BUD 19005692 BUD 247

```

```

Magnitude Err Nsta Author OrigID
ML 1.9 0.3 3 BUD 19005692

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
PSZ 0.22 299.8 Pg 14:14:20.413 0.3 T__ 556.5 ___ ML 1.7 1496538 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.22 299.8 Lg 14:14:23.559 -0.7 T__ ___ 1496539 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
HU02A 0.39 36.7 Lg 14:14:29.445 -0.5 T__ ___ 1496545 FDSN Z6 00 BUD iLoc HHN ??? _
HU03A 0.40 283.8 Lg 14:14:29.633 -0.2 T__ ___ 1496544 FDSN Z6 00 BUD iLoc HHN ??? _
CP17A 0.47 28.6 Lg 14:14:32.256 0.4 T__ ___ 1496540 FDSN Z6 00 BUD iLoc HHN ??? _
CP16A 0.59 24.4 Lg 14:14:35.977 0.2 T__ ___ 1496546 FDSN Z6 00 BUD iLoc HHN ??? _
JOS 0.73 19.4 Pg 14:14:29.169 -0.3 T__ 93.2 ___ ML 1.9 1496541 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.73 19.4 Lg 14:14:40.539 0.0 T__ ___ 1496547 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
ABAH 0.86 55.3 Pg 14:14:31.943 -0.1 T__ 139.7 ___ ML 2.1 1496542 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.86 55.3 Lg 14:14:46.337 0.3 T__ ___ 1496543 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/11/24 00:05:27.63 1.32 0.39 46.1584 16.1237 22.9 4.3 121 9.0f 5 3 186 0.27 0.57 ke BUD 19005694 BUD 328

```

```

Magnitude Err Nsta Author OrigID

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
PTJ 0.27 203.4 Lg 00:05:38.069 -0.0 T__ 1497702 FDSN CR -- BUD iLoc BHE ??? _
KOGS 0.30 16.8 Pg 00:05:33.811 -0.1 T__ 107.7 ___ ML 1.2 1497705 FDSN SL -- BUD iLoc BHZ BHZ _
KOGS 0.30 16.8 Lg 00:05:38.410 0.2 T__ ___ 1497704 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
CRES 0.57 234.7 Pg 00:05:39.006 0.2 T__ 70.7 ___ ML 1.7 1497703 FDSN SL -- BUD iLoc BHZ BHZ _
CRES 0.57 234.7 Lg 00:05:46.820 -0.4 T__ ___ 1497706 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 1.7 magdef=1

```

(Station ML: 1.7 magdef=1)

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/24	06:51:49.99	1.20	1.11	48.0389	20.4146	12.1	5.8	159	10.0f		8	6	186	0.11	0.61	ke	BUD	19005698	BUD			305

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.1	5 BUD	19005698

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU02A	0.11	41.6	Pg	06:51:52.756	-0.5					T__		1061.2		_c	ML	1.6	1497897	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.11	41.6	Lg	06:51:54.152	-1.8					T__				---		1497898	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
CP17A	0.19	19.7	Pg	06:51:54.685	0.4					T__		396.4		---	ML	1.4	1497899	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
CP16A	0.31	15.4	Pg	06:51:57.173	0.6					T__		152.4		---	ML	1.4	1497900	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=0)																									
PSZ	0.37	251.2	Lg	06:52:04.316	0.0					T__				---		1497901	FDSN	GE	--	BUD	iLoc	HHN	???	_	
JOS	0.46	10.3	Pg	06:51:59.992	0.6					T__		136.1		---	ML	1.7	1497902	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
ABAH	0.61	64.7	Pg	06:52:03.396	1.3					T__		136.4		---	ML	2.0	1497903	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.61	64.7	Lg	06:52:11.082	-0.3					T__				---		1497904	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=0)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/11/24	07:35:07.03	1.42	1.62	48.0279	20.3850	14.3	5.9	141	0.0f		6	5	206	0.13	0.48	sx	BUD	19005700	BUD			327	
2023/11/24	07:35:05.59	1.00	1.95	47.9590	20.3545f				0.0f		6	5	227	0.20	0.55	kx	BUD_GT	19005701	BUD_GT			337	
(locality: Eger-III Hungary)																							
(GT info : GT2 explosion)																							

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU02A	0.20	35.0	Pg	07:35:10.832	0.6					T__		220.0		---	ML	1.2	1497998	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.20	35.0	Lg	07:35:12.748	-1.3					T__				---		1497999	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=0)																									
CP17A	0.28	21.9	Lg	07:35:13.376	-2.7					T__				---		1498000	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.31	262.7	Lg	07:35:19.673	1.5					T__				---		1498002	FDSN	GE	--	BUD	iLoc	HHN	???	_	
CP16A	0.40	17.9	Lg	07:35:17.964	-2.2					T__				---		1498001	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
JOS	0.55	12.9	Pg	07:35:18.140	1.4					T__		163.7		---	ML	2.0	1498003	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=0)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
------	------	-----	-----	----------	-----------	------	------	----	-------	-----	------	------	-----	-------	-------	------	--------	--------	-----	-------	-----	-----



2023/11/24 08:45:04.69 1.17 2.74 46.8034 17.4246 8.8 5.8 94 0.0f 5 4 112 0.18 1.03 sx BUD 19005702 BUD 192

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
A263A	0.18	204.9	Lg	08:45:12.688	0.5					T__						1498020	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A261A	0.24	308.2	Lg	08:45:12.142	-2.1					T__						1498024	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.38	12.1	Pg	08:45:13.668	0.9					T__		343.5			ML	1.9	1498023	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.38	12.1	Lg	08:45:18.778	-0.2					T__						1498022	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=0)																									
MORH	1.03	124.5	Lg	08:45:37.216	-3.1					T__						1498021	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/11/25 03:01:45.88 1.10 0.85 47.8364 16.2741 8.2 3.6 25 6.3 17.3 11 6 116 0.14 1.23 ke BUD 19005706 BUD 191

Magnitude Err Nsta Author OrigID  
 ML 1.4 0.7 4 BUD 19005706

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.14	173.7	Pg	03:01:48.976	-0.1					T__						1498959	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.14	173.7	Lg	03:01:51.243	-0.2					T__						1498960	FDSN	OE	--	BUD	iLoc	HHN	???	_	
SOP	0.25	128.5	Pg	03:01:50.998	-0.0					T__		58.0			_c ML	0.7	1498961	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.25	128.5	Lg	03:01:54.373	-0.2					T__						1498962	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.7 magdef=1)																									
(Station ML: 0.7 magdef=1)																									
CONA	0.29	288.5	Pg	03:01:51.658	-0.3					T__		83.9			_ ML	1.0	1498957	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.29	288.5	Lg	03:01:56.928	0.8					T__						1498958	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
ARSA	0.78	221.2	Pg	03:02:00.542	-0.4					T__		73.8			_ ML	1.8	1498963	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
ARSA	0.78	221.2	Lg	03:02:11.401	0.7					T__						1498964	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
EGYH	0.83	120.0	Lg	03:02:14.978	0.8					T__						1498965	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KRUC	1.23	3.7	Pn	03:02:08.042	-0.9					T__		62.2			_ ML	2.0	1498966	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.23	3.7	Sn	03:02:24.357	-1.5					T__						1498967	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/11/25 03:26:06.52 1.59 0.63 45.5914 21.7739 18.2 5.3 175 7.1 22.0 8 5 139 0.11 1.41 ke BUD 19005708 BUD 177

Magnitude Err Nsta Author OrigID  
 ML 1.7 0.7 3 BUD 19005708

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BZS	0.11	283.0	Pg	03:26:09.336	0.1					T__		451.4			_ ML	1.3	1498993	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.11	283.0	Lg	03:26:11.082	-0.2					T__						1498994	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									

```

(Station ML: 1.3 magdef=1
BANR 0.50 245.3 Pg 03:26:16.160 -0.1 T__ 10874.8 --- ML 3.7 1498995 FDSN RO -- BUD iLoc HHZ HHZ _
BANR 0.50 245.3 Lg 03:26:23.612 0.2 T__ --- 1498996 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 3.7 magdef=1
(Station ML: 3.7 magdef=1
GZR 0.73 105.3 Pg 03:26:20.823 0.2 T__ 63.9 --- ML 1.7 1498997 FDSN RO -- BUD iLoc HHZ HHZ _
GZR 0.73 105.3 Lg 03:26:30.596 -0.4 T__ --- 1498998 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
DRGR 1.37 28.1 Sn 03:26:49.567 -0.8 T__ --- 1498999 FDSN RO -- BUD iLoc HHN ??? _
LOT 1.41 95.1 Sn 03:26:52.633 0.7 T__ --- 1499000 FDSN RO -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/11/27 09:22:12.21 1.03 1.29 46.9540 17.5202 6.2 4.5 106 0.0f 7 5 129 0.15 1.07 sx BUD 19005720 BUD 223

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
BADH 0.15 192.4 Lg 09:22:16.871 -2.0 T__ --- 1501966 FDSN HU -- BUD iLoc HHN ??? _
MPLH 0.22 3.5 Pg 09:22:17.492 0.3 T__ 253.7 --- ML 1.3 1501964 FDSN HU -- BUD iLoc HHZ HHZ _
MPLH 0.22 3.5 Lg 09:22:20.486 -0.8 T__ --- 1501965 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
A261A 0.25 269.7 Pg 09:22:18.624 0.7 T__ 648.1 --- ML 1.8 1501967 FDSN Z6 00 BUD iLoc HHZ HHZ _
A261A 0.25 269.7 Lg 09:22:21.527 -0.6 T__ --- 1501970 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
KOVH 0.95 155.0 Lg 09:22:45.648 1.1 T__ --- 1501968 FDSN HU -- BUD iLoc HHE ??? _
MORH 1.07 133.3 Lg 09:22:49.409 0.2 T__ --- 1501969 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/11/27 09:33:09.07 1.15 0.72 46.0507 22.7771 11.4 6.0 80 0.0f 5 4 155 0.19 0.92 sx BUD 19005722 BUD 269

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
DEV 0.19 152.2 Lg 09:33:15.228 -0.1 T__ --- 1501987 FDSN RO -- BUD iLoc HHN ??? _
GZR 0.66 180.0 Lg 09:33:30.785 -0.2 T__ --- 1501988 FDSN RO -- BUD iLoc HHN ??? _
DRGR 0.74 356.5 Pg 09:33:24.284 0.2 T__ 53.6 --- ML 1.6 1501990 FDSN RO -- BUD iLoc HHZ HHZ _
DRGR 0.74 356.5 Lg 09:33:35.094 -1.0 T__ --- 1501989 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=0
BZS 0.92 242.3 Lg 09:33:39.914 -0.1 T__ --- 1501991 FDSN RO -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/11/27 09:41:46.68 3.51 0.25 48.1087 19.3505 25.6 4.9 175 0.0f 5 3 256 0.26 0.41 sx BUD 19005724 BUD 336

```

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU03A	0.26	140.7	Pg	09:41:52.661	0.1					T__		185.6		---	ML	1.3	1502009	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.26	140.7	Lg	09:41:56.915	-0.0					T__				---		1502008	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
HU10A	0.35	220.3	Pg	09:41:54.120	0.0					T__		327.8		---	ML	1.8	1502007	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU10A	0.35	220.3	Lg	09:41:59.872	-0.1					T__				---		1502010	FDSN	Z6	00	BUD	iLoc	HHE	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
PSZ	0.41	117.3	Lg	09:42:02.273	-0.3					T__				---		1502011	FDSN	GE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/27	10:01:39.51	1.87	1.95	48.4778	17.6196	14.7	4.2	125	0.0f		6	3	240	0.25	1.00	sx	BUD	19005726	BUD			301

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.25	245.5	Pg	10:01:45.849	0.8					T__				---		1502030	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.25	245.5	Lg	10:01:47.601	-2.0					T__				---		1502031	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.38	5.1	Pg	10:01:48.441	0.7					T__		70.3		---	ML	1.2	1502032	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.38	5.1	Lg	10:01:52.166	-2.0					T__				---		1502033	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
KRUC	1.00	306.3	Pg	10:02:00.091	1.4					T__		25.3		---	ML	1.5	1502035	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.00	306.3	Lg	10:02:12.872	-0.5					T__				---		1502034	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/27	10:30:49.23	1.14	0.61	47.7113	16.3846	10.5	5.1	7	0.0f		5	3	161	0.06	0.41	sx	BUD	19005728	BUD			317

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.06	259.0	Pg	10:30:50.505	-0.3					T__				---		1502054	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.06	259.0	Lg	10:30:52.878	0.7					T__				---		1502055	FDSN	OE	--	BUD	iLoc	HHN	???	_	
SDP	0.12	103.4	Lg	10:30:54.357	0.2					T__				---		1502056	FDSN	HU	--	BUD	iLoc	HHN	???	_	
CONA	0.41	301.8	Pg	10:30:57.644	0.1					T__		90.7		---	ML	1.4	1502052	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.41	301.8	Lg	10:31:03.012	-0.2					T__				---		1502053	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=0)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/27	10:33:09.99	1.24	1.32	48.6304	21.4361	6.9	5.5	25	0.0f		12	8	166	0.36	1.25	sx	BUD	19005730	BUD			244

Magnitude Err Nsta Author OrigID  
ML 1.7 0.2 5 BUD 19005730

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
-----	------	------	-------	------	------	------	-------	------	------	-----	-----	-----	-----	------	-----------	-------	-----	--------	----	------	-----	-----	-----	---

ABAH	0.36	201.4	Pg	10:33:17.857	0.4	T__	199.4	___	ML	1.6	1502082	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.36	201.4	Lg	10:33:23.032	-0.7	T__		---			1502086	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1)																			
(Station ML: 1.6 magdef=1)																			
JOS	0.61	257.6	Pg	10:33:21.864	-0.3	T__	108.2	___	ML	1.9	1502088	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.61	257.6	Lg	10:33:31.396	-0.0	T__		---			1502087	FDSN	Z6	--	BUD	iLoc	HHE	???	_
(Reading ML: 1.9 magdef=1)																			
(Station ML: 1.9 magdef=0)																			
CP16A	0.66	244.5	Lg	10:33:34.400	1.2	T__		---			1502083	FDSN	Z6	00	BUD	iLoc	HHN	???	_
CP17A	0.74	236.6	Lg	10:33:36.727	0.7	T__		---			1502089	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU02A	0.79	230.4	Pg	10:33:25.982	-0.4	T__	59.3	---	ML	1.7	1502084	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.79	230.4	Lg	10:33:37.823	-0.8	T__		---			1502090	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1)																			
(Station ML: 1.7 magdef=1)																			
TRPA	0.89	123.8	Pg	10:33:27.699	0.4	T__	72.7	---	ML	1.9	1502085	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.89	123.8	Lg	10:33:38.371	-3.4	T__		---			1502091	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1)																			
(Station ML: 1.9 magdef=1)																			
NIE	1.09	316.9	Pg	10:33:30.702	0.2	T__	23.0	---	ML	1.5	1502092	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.5 magdef=1)																			
(Station ML: 1.5 magdef=0)																			
PSZ	1.25	235.9	Sn	10:33:52.284	-0.6	T__		---			1502093	FDSN	GE	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/27	10:40:42.31	1.34	1.47	48.5267	20.7691	11.7	3.9	8	0.0f		6	4	168	0.16	1.08	sx	BUD	19005732	BUD			227

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
JOS	0.16	258.7	Pg	10:40:45.447	-0.2					T__		315.8		___	ML	1.2	1502119	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.16	258.7	Lg	10:40:49.373	1.1					T__				---		1502118	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
ABAH	0.39	126.2	Pg	10:40:51.034	0.7					T__		61.2		---	ML	1.2	1502122	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.39	126.2	Lg	10:40:55.599	-1.6					T__				---		1502121	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
HU02A	0.44	202.0	Lg	10:40:58.210	-0.5					T__				---		1502120	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KOLS	1.08	67.2	Lg	10:41:18.021	-1.4					T__				---		1502123	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/27	12:20:29.30	1.05	1.03	46.8785	17.2579	7.2	4.5	71	0.0f		8	6	143	0.10	1.16	sx	BUD	19005736	BUD			222

Magnitude Err Nsta Author OrigID  
ML 1.6 0.1 5 BUD 19005736

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
A261A	0.10	314.5	Pg	12:20:32.410	0.3					T__		1509.0		___	ML	1.8	1502228	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=0)																									

```

BADH  0.16 116.3 Lg      12:20:35.827 -0.5      T__
A263A 0.24 170.6 Pg      12:20:34.966  0.3      T__      472.1      --- ML      1.6 1502229  FDSN HU      -- BUD  iLoc  HHN ??? _
      (Reading ML: 1.6 magdef=1
      (Station ML: 1.6 magdef=1
MPLH  0.35 33.3 Pg      12:20:37.741  0.9      T__      79.5      --- ML      1.2 1502227  FDSN HU      -- BUD  iLoc  HHZ HHZ _
MPLH  0.35 33.3 Lg      12:20:40.946 -1.8      T__      ---      1502232  FDSN HU      -- BUD  iLoc  HHN ??? _
      (Reading ML: 1.2 magdef=1
      (Station ML: 1.2 magdef=0
KOVH  0.98 143.3 Pn      12:20:49.044 -0.1      T__      36.2      --- ML      1.6 1502233  FDSN HU      -- BUD  iLoc  HHZ HHZ _
      (Reading ML: 1.6 magdef=1
      (Station ML: 1.6 magdef=1
MORH  1.16 124.3 Pn      12:20:52.458  0.9      T__      25.1      --- ML      1.5 1502230  FDSN HU      -- BUD  iLoc  HHZ HHZ _
MORH  1.16 124.3 Sn      12:21:08.490 -0.2      T__      ---      1502234  FDSN HU      -- BUD  iLoc  HHN ??? _
      (Reading ML: 1.5 magdef=1
      (Station ML: 1.5 magdef=1

```

```

Date      Time      Err      RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/11/28 08:29:13.86 2.76 2.41 47.3775 18.3005 15.0 9.5 38 0.0f 7 6 105 0.03 1.21 sx BUD 19005740 BUD 202

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Magnitude Err Nsta Author OrigID

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Sta      Dist EvAz Phase      Time      TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
CSKK 0.03 242.0 Pg      08:29:15.282 0.1      T__      2106.7 --- ML 1.7 1505234 FDSN HU -- BUD iLoc HHZ HHZ _
CSKK 0.03 242.0 Lg      08:29:16.187 -0.5      T__      ---      1505235  FDSN HU      -- BUD  iLoc  HHN ??? _
      (Reading ML: 1.7 magdef=1
      (Station ML: 1.7 magdef=0
EGYH  0.66 273.8 Lg      08:29:37.771  0.4      T__      ---      1505236  FDSN HU      -- BUD  iLoc  HHN ??? _
A266A 0.85 181.7 Lg      08:29:43.818  0.4      T__      ---      1505237  FDSN Z6      00 BUD  iLoc  HHN ??? _
MORH  1.19 168.4 Sn      08:29:51.994 -2.3      T__      ---      1505240  FDSN HU      -- BUD  iLoc  HHN ??? _
PSZ  1.21 62.8 Sn      08:29:51.653 -3.9      T__      ---      1505239  FDSN GE      -- BUD  iLoc  HHN ??? _
MODS  1.21 325.7 Sn      08:29:54.293 -1.4      T__      ---      1505238  FDSN SK      -- BUD  iLoc  HHN ??? _

```

```

Date      Time      Err      RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/11/28 08:41:51.67 2.83 0.43 48.0376 19.6535 19.6 5.1 151 0.0f 5 3 246 0.14 0.59 sx BUD 19005742 BUD 315

```

Magnitude Err Nsta Author OrigID

```

Sta      Dist EvAz Phase      Time      TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
HU03A 0.14 195.1 Pg      08:41:55.039 0.1      T__      218.4 --- ML 1.0 1505257 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU03A 0.14 195.1 Lg      08:41:57.594 -0.0      T__      ---      1505256  FDSN Z6      00 BUD  iLoc  HHN ??? _
      (Reading ML: 1.0 magdef=1
      (Station ML: 1.0 magdef=1
PSZ  0.20 126.3 Pg      08:41:56.769  0.3      T__      218.1 --- ML 1.2 1505259 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ  0.20 126.3 Lg      08:42:00.005 -0.4      T__      ---      1505260  FDSN GE      -- BUD  iLoc  HHN ??? _
      (Reading ML: 1.2 magdef=1
      (Station ML: 1.2 magdef=1
HU02A 0.59 81.4 Lg      08:42:13.179 -0.4      T__      ---      1505258  FDSN Z6      00 BUD  iLoc  HHN ??? _

```

```

Date      Time      Err      RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp

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2023/11/28 09:34:54.43 1.92 1.64 48.4412 17.5875 14.8 5.0 129 0.0f 6 4 222 0.22 1.14 sx BUD 19005744 BUD 281

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.22	252.0	Pg	09:34:59.914	0.5					T__						1505305	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.22	252.0	Lg	09:35:01.426	-2.0					T__						1505306	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.42	7.5	Pg	09:35:03.449	0.0					T__		105.9		---	ML	1.5	1505307	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 1.5 magdef=1																					
				(Station ML: 1.5 magdef=1																					
KRUC	1.00	308.7	Pg	09:35:14.669	1.0					T__		41.6		---	ML	1.7	1505308	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.00	308.7	Lg	09:35:28.168	-0.3					T__						1505309	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.7 magdef=1																					
				(Station ML: 1.7 magdef=1																					
RONA	1.14	229.9	Pn	09:35:18.800	1.6					T__						1505310	FDSN	OE	--	BUD	iLoc	HHZ	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/28	12:23:36.44	1.06	1.98	48.9357	21.2235	5.6	5.4	166	0.0f	9	7	140		0.63	1.35	sx	BUD	19005746	BUD			230

Magnitude Err Nsta Author OrigID  
ML 1.7 0.0 6 BUD 19005746

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.63	226.1	Pg	12:23:49.556	0.6					T__		69.6		---	ML	1.7	1505429	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 1.7 magdef=1																					
				(Station ML: 1.7 magdef=1																					
ABAH	0.64	179.0	Pg	12:23:50.141	0.9					T__		75.1		---	ML	1.7	1505432	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 1.7 magdef=1																					
				(Station ML: 1.7 magdef=1																					
KOLS	0.69	89.8	Pg	12:23:50.012	0.3					T__						1505437	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
CP16A	0.75	217.6	Pg	12:23:52.728	1.4					T__		122.5		---	ML	2.0	1505430	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.0 magdef=1																					
				(Station ML: 2.0 magdef=0																					
NIE	0.78	308.9	Pg	12:23:51.674	0.6					T__		20.4		---	ML	1.2	1505434	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.78	308.9	Lg	12:24:01.192	-0.9					T__						1505435	FDSN	PL	--	BUD	iLoc	BHN	???	_	
				(Reading ML: 1.2 magdef=1																					
				(Station ML: 1.2 magdef=0																					
HU02A	0.94	210.0	Pg	12:23:55.975	0.3					T__		48.9		---	ML	1.7	1505431	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.94	210.0	Lg	12:24:05.280	-4.3					T__						1505436	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.7 magdef=1																					
				(Station ML: 1.7 magdef=1																					
PSZ	1.35	221.5	Pn	12:24:02.533	0.8					T__		44.7		---	ML	1.9	1505433	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 1.9 magdef=1																					
				(Station ML: 1.9 magdef=1																					

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/28	12:29:21.55	1.19	1.22	48.8957	20.6601	8.7	5.5	86	0.0f	9	7	144		0.41	1.06	sx	BUD	19005748	BUD			256

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.41	191.3	Pg	12:29:30.484	0.7					T__		98.6		---	ML	1.4	1505469	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.41	191.3	Lg	12:29:35.722	-0.3					T__				---		1505471	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
CP16A	0.56	188.2	Lg	12:29:40.837	-0.3					T__				---		1505470	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
NIE	0.57	335.8	Lg	12:29:39.724	-0.9					T__				---		1505472	FDSN	PL	--	BUD	iLoc	BHN	???	_	
CP17A	0.68	188.4	Lg	12:29:45.378	-0.2					T__				---		1505473	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ABAH	0.71	147.1	Pg	12:29:35.833	0.1					T__		51.0		---	ML	1.6	1505467	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.71	147.1	Lg	12:29:45.968	-1.5					T__				---		1505468	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
HU02A	0.78	186.7	Lg	12:29:48.169	-1.5					T__				---		1505474	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KOLS	1.06	87.4	Lg	12:29:59.493	1.6					T__				---		1505475	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/28	20:04:45.52	1.27	0.96	48.0121	20.4279	9.9	5.8	140	10.0f		9	6	193	0.13	0.61	ke	BUD	19005752	BUD			306

Magnitude	Err	Nsta	Author	OrigID
ML	1.1	0.2	4 BUD	19005752

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU02A	0.13	30.6	Pg	20:04:48.630	-0.4					T__		379.8		---	ML	1.2	1505816	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.13	30.6	Lg	20:04:50.024	-1.9					T__				---		1505817	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
CP17A	0.21	15.0	Pg	20:04:50.386	0.1					T__		101.8		---	ML	0.9	1505818	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.21	15.0	Lg	20:04:53.718	-0.1					T__				---		1505819	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
CP16A	0.34	12.7	Lg	20:04:57.998	0.2					T__				---		1505820	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.37	255.5	Lg	20:05:00.000	0.2					T__				---		1505823	FDSN	GE	--	BUD	iLoc	HHN	???	_	
JOS	0.49	8.7	Pg	20:04:55.986	0.6					T__		22.8		---	ML	1.0	1505821	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.49	8.7	Lg	20:05:02.437	-0.3					T__				---		1505822	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
ABAH	0.61	62.1	Pg	20:04:58.818	1.1					T__		50.5		---	ML	1.5	1505824	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/29	08:02:55.79	1.38	3.30	47.4910	18.9377	13.5	4.0	140	0.0f		6	4	198	0.36	0.77	sx	BUD	19005754	BUD			312
2023/11/29	08:02:55.77	1.16	5.64	47.8327	19.1394f				0.0f		3	2	161	0.08	0.76	kx	BUD_GT	19005755	BUD_GT			313

(locality: Sejce-Vác Hungary)  
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU10A	0.08	278.8	Pg	08:03:05.660	7.7					---		1447.2		---	ML	1.7	1505948	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_

HU10A 0.08 278.8 Lg 08:03:06.665 6.7 T\_\_ --- 1505951 FDSN Z6 00 BUD iLoc HHE ??? \_  
 (Reading ML: 1.7 magdef=1  
 (Station ML: 1.7 magdef=0  
 HU03A 0.32 76.9 Lg 08:03:16.587 8.6 --- --- 1505953 FDSN Z6 00 BUD iLoc HHN ??? \_  
 PSZ 0.52 80.1 Sn 08:03:21.545 1.7 T\_\_ --- 1505949 FDSN GE -- BUD iLoc HHN ??? \_  
 CSKK 0.76 232.0 Pg 08:03:07.058 -4.0 T\_\_ 53.1 --- ML 1.6 1505950 FDSN HU -- BUD iLoc HHZ HHZ \_  
 CSKK 0.76 232.0 Lg 08:03:11.364 -12.1 --- --- 1505952 FDSN HU -- BUD iLoc HHE ??? \_  
 (Reading ML: 1.6 magdef=1  
 (Station ML: 1.6 magdef=0

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/29	09:20:06.51	1.20	1.58	47.9599	16.0750	8.4	4.8	26	10.0f	7	4	139	0.15	1.12	ke	BUD	19005758	BUD				252

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
CONA	0.15	257.6	Pg	09:20:10.060	-0.1					T__		197.8		---	ML	1.0	1506026	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_	
CONA	0.15	257.6	Lg	09:20:11.959	-0.8					T__				---		1506027	FDSN	OE	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.0 magdef=1 (Station ML: 1.0 magdef=0																										
RONA	0.30	150.1	Pg	09:20:13.110	0.2					T__				---		1506028	FDSN	OE	--	BUD	iLoc	HHZ	???	_		
RONA	0.30	150.1	Lg	09:20:15.922	-1.4					T__				---		1506029	FDSN	OE	--	BUD	iLoc	HHN	???	_		
ARSA	0.80	208.0	Lg	09:20:34.657	2.4					T__				---		1506032	FDSN	OE	--	BUD	iLoc	HHN	???	_		
KRUC	1.12	10.8	Pg	09:20:28.922	1.0					T__		40.0		---	ML	1.7	1506031	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_	
KRUC	1.12	10.8	Sn	09:20:42.434	-0.8					T__				---		1506030	FDSN	CZ	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=0																										

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/11/29	10:00:49.51	1.97	1.42	48.5966	20.8152	12.7	4.6	2	0.0f	10	6	255	0.21	0.92	sx	BUD	19005760	BUD					321

Magnitude Err Nsta Author OrigID  
 ML 1.3 0.0 4 BUD 19005760

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
JOS	0.21	241.3	Pg	10:00:53.910	0.0					T__		245.5		---	ML	1.3	1506076	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_	
JOS	0.21	241.3	Lg	10:00:56.749	-0.5					T__				---		1506077	FDSN	Z6	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.3 magdef=1 (Station ML: 1.3 magdef=1																										
CP16A	0.31	215.8	Pg	10:00:56.868	0.9					T__		135.3		---	ML	1.3	1506078	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
CP16A	0.31	215.8	Lg	10:01:01.807	1.0					T__				---		1506079	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 1.3 magdef=1 (Station ML: 1.3 magdef=1																										
ABAH	0.41	136.6	Pg	10:00:58.721	0.7					T__		75.5		---	ML	1.3	1506083	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ABAH	0.41	136.6	Lg	10:01:03.049	-2.1					T__				---		1506084	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.3 magdef=1 (Station ML: 1.3 magdef=1																										
CP17A	0.43	208.3	Lg	10:01:05.842	0.9					T__				---		1506080	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
HU02A	0.51	202.3	Pg	10:01:00.000	-0.3					T__		26.7		---	ML	1.2	1506082	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU02A	0.51	202.3	Lg	10:01:06.208	-2.3					T__				---		1506081	FDSN	Z6	00	BUD	iLoc	HHN	???	_		



(Reading ML: 1.2 magdef=1  
 (Station ML: 1.2 magdef=1  
 PSZ 0.92 222.5 Lg 10:01:21.746 -0.8 T\_\_ --- 1506085 FDSN GE -- BUD iLoc HHN ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/29	10:08:13.20	1.41	1.22	48.8392	20.0792	10.0	5.5	97	0.0f	9	7	174	0.46	1.45	sx	BUD	19005762	BUD				246

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
JOS	0.46	138.2	Pg	10:08:23.581	1.2					T__		97.0		---	ML	1.6	1506111	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_	
JOS	0.46	138.2	Lg	10:08:28.877	-0.5					T__				---		1506116	FDSN	Z6	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=1																										
CP16A	0.58	148.2	Lg	10:08:33.167	-0.5					T__				---		1506113	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
NIE	0.60	13.9	Lg	10:08:32.226	-0.9					T__				---		1506112	FDSN	PL	--	BUD	iLoc	BHN	???	_		
HU02A	0.78	157.4	Pg	10:08:29.105	-0.1					T__	31.1			---	ML	1.4	1506118	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU02A	0.78	157.4	Lg	10:08:39.549	-1.7					T__				---		1506117	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 1.4 magdef=1 (Station ML: 1.4 magdef=1																										
PSZ	0.93	187.7	Lg	10:08:45.561	-1.0					T__				---		1506119	FDSN	GE	--	BUD	iLoc	HHN	???	_		
HU03A	0.99	199.0	Lg	10:08:48.090	-0.0					T__				---		1506114	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
KOLS	1.45	85.5	Lg	10:08:59.883	-1.6					T__				---		1506115	FDSN	SK	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/29	10:52:48.93	1.64	1.30	48.4769	21.4309	12.5	8.5	144	0.0f	6	5	164	0.22	0.72	sx	BUD	19005764	BUD				303

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
ABAH	0.22	215.2	Pg	10:52:54.293	0.5					T__		136.6		---	ML	1.1	1506139	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ABAH	0.22	215.2	Lg	10:52:56.786	-1.2					T__				---		1506137	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.1 magdef=1 (Station ML: 1.1 magdef=0																										
JOS	0.59	272.2	Lg	10:53:09.129	-0.7					T__				---		1506138	FDSN	Z6	--	BUD	iLoc	HHN	???	_		
CP16A	0.61	257.5	Lg	10:53:10.774	0.4					T__				---		1506140	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
HU02A	0.70	239.9	Lg	10:53:13.278	-1.2					T__				---		1506142	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
KOLS	0.72	50.4	Lg	10:53:13.413	-1.1					T__				---		1506141	FDSN	SK	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/29	11:00:26.81	1.23	0.96	48.1015	17.0151	11.2	5.1	133	0.0f	7	4	197	0.11	1.05	sx	BUD	19005766	BUD				304

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
ZST	0.11	31.7	Pg	11:00:30.219	0.6					T__				---		1506177	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.11	31.7	Lg	11:00:32.592	0.4					T__				---		1506176	FDSN	SK	--	BUD	iLoc	HHN	???	_
MODS	0.32	32.7	Pg	11:00:33.962	0.1					T__				---		1506174	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.32	32.7	Lg	11:00:37.924	-1.6					T__				---		1506175	FDSN	SK	--	BUD	iLoc	HHN	???	_

RONA	0.63	230.5	Pg	11:00:39.458	0.0	T__									1506180	FDSN	OE	--	BUD	iLoc	HHZ	???	_
KRUC	1.05	337.0	Pg	11:00:47.455	0.6	T__					32.5				1506178	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.05	337.0	Lg	11:01:01.771	-0.5	T__									1506179	FDSN	CZ	--	BUD	iLoc	HHN	???	_

(Reading ML: 1.6 magdef=1  
 (Station ML: 1.6 magdef=0)

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/29	11:56:12.87	1.10	0.77	48.4091	17.2989	9.9	3.6	108	0.0f		10	9	150	0.04	1.08	sx	BUD	19005768	BUD			205

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.2	6 BUD	19005768

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MODS	0.04	201.9	Pg	11:56:14.360	0.0					T__						1506236	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.04	201.9	Lg	11:56:15.319	-0.5					T__						1506237	FDSN	SK	--	BUD	iLoc	HHN	???	_
ZST	0.25	211.7	Pg	11:56:18.094	-0.3					T__						1506238	FDSN	SK	--	BUD	iLoc	HHZ	???	_
JAVC	0.51	28.6	Pg	11:56:23.463	-0.2					T__		462.1				1506239	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_

(Reading ML: 2.4 magdef=1  
 (Station ML: 2.4 magdef=0)

SOP	0.88	214.7	Pg	11:56:31.643	1.3					T__		136.2				1506241	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
-----	------	-------	----	--------------	-----	--	--	--	--	-----	--	-------	--	--	--	---------	------	----	----	-----	------	-----	-----	---

(Reading ML: 2.1 magdef=1  
 (Station ML: 2.1 magdef=1)

KRUC	0.89	317.9	Pg	11:56:29.926	0.1					T__		67.1				1506240	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
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(Reading ML: 1.8 magdef=1  
 (Station ML: 1.8 magdef=1)

RONA	0.98	223.8	Pg	11:56:32.300	0.0					T__						1506243	FDSN	OE	--	BUD	iLoc	HHZ	???	_
------	------	-------	----	--------------	-----	--	--	--	--	-----	--	--	--	--	--	---------	------	----	----	-----	------	-----	-----	---

EGYH	0.99	178.7	Pn	11:56:34.564	1.3					T__		168.2				1506244	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
------	------	-------	----	--------------	-----	--	--	--	--	-----	--	-------	--	--	--	---------	------	----	----	-----	------	-----	-----	---

(Reading ML: 2.3 magdef=1  
 (Station ML: 2.3 magdef=1)

VRAC	1.01	332.9	Pg	11:56:32.300	0.2					T__		22.5				1506242	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
------	------	-------	----	--------------	-----	--	--	--	--	-----	--	------	--	--	--	---------	------	----	----	-----	------	-----	-----	---

(Reading ML: 1.4 magdef=1  
 (Station ML: 1.4 magdef=0)

CONA	1.08	244.0	Pg	11:56:33.396	-0.7					T__		57.3				1506245	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
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(Reading ML: 1.9 magdef=1  
 (Station ML: 1.9 magdef=1)

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/29	13:10:46.86	2.10	1.24	48.5049	17.6754	17.6	4.1	121	0.0f		6	4	244	0.30	1.34	sx	BUD	19005772	BUD			299

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MODS	0.30	243.8	Pg	13:10:53.819	0.5					T__						1506320	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.30	243.8	Lg	13:10:56.521	-2.0					T__						1506321	FDSN	SK	--	BUD	iLoc	HHN	???	_
JAVC	0.35	359.5	Pg	13:10:54.631	0.1					T__		80.2				1506318	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.35	359.5	Lg	13:11:00.136	-0.4					T__						1506322	FDSN	CZ	--	BUD	iLoc	HHN	???	_

(Reading ML: 1.2 magdef=1  
 (Station ML: 1.2 magdef=0)

KRUC	1.01	303.8	Lg	13:11:21.491	0.3					T__						1506319	FDSN	CZ	--	BUD	iLoc	HHN	???	_
------	------	-------	----	--------------	-----	--	--	--	--	-----	--	--	--	--	--	---------	------	----	----	-----	------	-----	-----	---

CONA	1.34	245.2	Lg	13:11:31.039	0.5					T__						1506323	FDSN	OE	--	BUD	iLoc	HHN	???	_
------	------	-------	----	--------------	-----	--	--	--	--	-----	--	--	--	--	--	---------	------	----	----	-----	------	-----	-----	---

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/30	04:38:03.83	2.40	0.15	48.1673	20.6674	18.7	4.6	112	10.0f		6	3	259	0.11	0.34	ke	BUD	19005776	BUD			310

Magnitude	Err	Nsta	Author	OrigID
ML	0.2	0.2	3 BUD	19005776

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
HU02A	0.11	244.7	Pg	04:38:07.068	0.1					T__		28.8		---	ML	0.1	1506701	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.11	244.7	Lg	04:38:09.410	-0.2					T__				---		1506702	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 0.1 magdef=1)																					
				(Station ML: 0.1 magdef=1)																					
CP17A	0.12	296.4	Pg	04:38:06.914	0.0					T__		37.0		---	ML	0.2	1506704	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.12	296.4	Lg	04:38:09.288	0.1					T__				---		1506703	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 0.2 magdef=1)																					
				(Station ML: 0.2 magdef=1)																					
JOS	0.34	345.5	Pg	04:38:10.890	0.0					T__		18.2		---	ML	0.5	1506705	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.34	345.5	Lg	04:38:16.037	-0.1					T__				---		1506706	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 0.5 magdef=1)																					
				(Station ML: 0.5 magdef=1)																					

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/11/30	10:43:56.17	3.12	1.42	47.8147	20.1486	24.2	5.3	162	0.0f		7	6	227	0.20	0.88	sx	BUD	19005780	BUD			245

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
PSZ	0.20	301.3	Pg	10:44:01.756	0.7					T__		243.2		---	ML	1.2	1506762	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.20	301.3	Lg	10:44:03.933	-1.0					T__				---		1506763	FDSN	GE	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.2 magdef=1)																					
				(Station ML: 1.2 magdef=0)																					
HU03A	0.38	283.8	Lg	10:44:09.364	-1.1					T__				---		1506764	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.40	39.3	Lg	10:44:10.031	-1.5					T__				---		1506765	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP17A	0.47	30.9	Lg	10:44:14.148	0.8					T__				---		1506766	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
JOS	0.73	20.9	Lg	10:44:21.438	-0.5					T__				---		1506767	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
ABAH	0.88	56.2	Lg	10:44:26.317	-1.4					T__				---		1506768	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/01	10:23:32.84	2.77	0.62	47.9727	16.1579	21.2	5.1	27	0.0f		5	3	263	0.20	0.84	sx	BUD	19005786	BUD			313

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
CONA	0.20	257.5	Pg	10:23:37.207	0.1					T__		80.0		---	ML	0.8	1508387	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.20	257.5	Lg	10:23:39.868	-0.2					T__				---		1508390	FDSN	OE	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 0.8 magdef=1)																					
				(Station ML: 0.8 magdef=0)																					
RONA	0.29	161.1	Pg	10:23:39.123	0.3					T__				---		1508388	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.29	161.1	Lg	10:23:42.253	-0.7					T__				---		1508389	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp			
2023/12/01	10:23:59.981	0.3																1508391	FDSN	OE	-- BUD	iLoc HHN ??? _			
2023/12/01	10:36:46.40	1.12	0.78	48.5526	20.7637	5.6	4.8	4	0.0f		8	6	148	0.16	0.92	sx	BUD	19005788	BUD			239			
Magnitude	Err	Nsta	Author	OrigID																					
ML	1.4	0.0	5 BUD	19005788																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.16	249.2	Pg	10:36:49.093	-0.7					T__		447.7			ML	1.4	1508582	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.16	249.2	Lg	10:36:52.595	0.1					T__						1508583	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
CP16A	0.26	215.3	Pg	10:36:52.068	0.3					T__		227.8			ML	1.4	1508584	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.26	215.3	Lg	10:36:56.657	0.8					T__						1508587	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
CP17A	0.37	206.9	Lg	10:37:00.149	0.2					T__						1508588	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ABAH	0.41	128.8	Pg	10:36:54.347	-0.4					T__		74.6			ML	1.3	1508585	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
PSZ	0.86	222.8	Pn	10:37:03.694	-1.1					T__		52.8			ML	1.7	1508586	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=0)																									
NIE	0.92	340.7	Pg	10:37:04.253	0.5					T__		16.7			ML	1.2	1508589	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=0)																									
Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp			
2023/12/01	10:49:11.95	1.56	1.68	48.5979	21.4217	11.6	7.4	159	0.0f		7	5	158	0.33	0.88	sx	BUD	19005790	BUD			221			
Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.33	201.9	Pg	10:49:19.801	1.0					T__		85.0			ML	1.1	1508615	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.33	201.9	Lg	10:49:22.867	-1.7					T__						1508616	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
JOS	0.60	260.4	Lg	10:49:32.746	-0.1					T__						1508617	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
KOLS	0.66	58.9	Lg	10:49:34.109	-1.2					T__						1508621	FDSN	SK	--	BUD	iLoc	HHN	???	_	
HU02A	0.76	231.8	Pg	10:49:27.806	0.0					T__		35.5			ML	1.5	1508618	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.76	231.8	Lg	10:49:38.026	-1.6					T__						1508619	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
TRPA	0.88	121.7	Lg	10:49:41.689	-1.8					T__						1508620	FDSN	HU	--	BUD	iLoc	HHN	???	_	
Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp			
2023/12/01	12:01:32.47	1.12	1.51	48.4080	17.2100	8.3	5.2	13	0.0f		6	4	166	0.06	1.02	sx	BUD	19005792	BUD			260			

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.06	127.4	Pg	12:01:34.279	-0.0					T__						1508639	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.06	127.4	Lg	12:01:35.621	-0.4					T__						1508641	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KRUC	0.85	320.8	Lg	12:02:01.902	0.6					T__						1508642	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
RONA	0.94	221.2	Lg	12:02:04.181	0.8					T__						1508643	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	1.02	242.5	Pg	12:01:50.823	-1.8					T__		51.2		---	ML	1.8	1508640	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	1.02	242.5	Lg	12:02:07.430	1.5					T__						1508644	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=0)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/01	20:55:02.27	1.06	0.60	45.6678	18.1693	8.5	5.3	23	5.1	1.5	20	17	104	0.35	1.91	ke	BUD	19005796	BUD			172

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ML	2.7	0.1	17	BUD	19005796																				
A273A	0.35	315.3	Pg	20:55:09.432	-0.1					T__		2073.4		---	ML	2.6	1509863	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.6 magdef=1)																									
(Station ML: 2.6 magdef=1)																									
KOVH	0.42	353.4	Pg	20:55:10.765	-0.2					T__		311.4		---	ML	2.0	1509862	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=0)																									
MORH	0.64	31.0	Pg	20:55:14.883	-0.1					T__		332.6		_d_	ML	2.4	1509861	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=0)																									
A264A	0.79	309.0	Pg	20:55:17.363	-0.6					T__		1450.1		---	ML	3.1	1509860	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.1 magdef=1)																									
(Station ML: 3.1 magdef=0)																									
A265A	0.80	341.1	Pg	20:55:18.103	-0.2					T__		661.6		---	ML	2.8	1509866	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.8 magdef=1)																									
(Station ML: 2.8 magdef=1)																									
A266A	0.86	4.4	Pn	20:55:19.486	-0.1					T__		1045.6		---	ML	3.0	1509865	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 3.0 magdef=1)																									
(Station ML: 3.0 magdef=0)																									
HU22A	0.94	45.1	Pn	20:55:20.949	0.4					T__		672.5		---	ML	2.9	1509864	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.9 magdef=1)																									
(Station ML: 2.9 magdef=1)																									
A263A	1.14	328.9	Pn	20:55:23.511	-0.0					T__		612.6		---	ML	2.9	1509869	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.9 magdef=1)																									
(Station ML: 2.9 magdef=0)																									
BLY	1.15	217.5	Pn	20:55:23.926	-0.2					T__		425.4		---	ML	2.8	1509871	FDSN	MN	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.8 magdef=1)																									
(Station ML: 2.8 magdef=1)																									
BADH	1.24	337.2	Pn	20:55:25.049	0.2					T__		278.7		---	ML	2.6	1509870	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.6 magdef=1)																									
(Station ML: 2.6 magdef=1)																									
BEHE	1.26	310.1	Pn	20:55:25.113	-0.2					T__		450.1		---	ML	2.9	1509858	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.9 magdef=1)																									
BEHE	1.26	310.1	Lg	20:55:44.190	1.3					T__				---		1509859	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.9 magdef=1)																									

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(Station ML: 2.9 magdef=1
FRGS 1.26 113.2 Pg 20:55:25.637 -0.1 T__ 274.0 ___ ML 2.6 1509868 FDSN SJ -- BUD iLoc BHZ BHZ _
(Reading ML: 2.6 magdef=1
(Station ML: 2.6 magdef=1
A267A 1.30 9.5 Pg 20:55:26.924 -0.4 T__ 235.5 ___ ML 2.6 1509867 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.6 magdef=1
(Station ML: 2.6 magdef=1
KOGS 1.55 301.0 Pn 20:55:28.424 -0.9 T__ 193.8 ___ ML 2.6 1509856 FDSN SL -- BUD iLoc BHZ BHZ _
KOGS 1.55 301.0 Lg 20:55:52.696 1.3 T__ 1509857 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 2.6 magdef=1
(Station ML: 2.6 magdef=1
MPLH 1.56 344.1 Pn 20:55:30.066 0.6 T__ 99.5 ___ ML 2.4 1509872 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=0
A262A 1.65 317.0 Pn 20:55:31.032 0.3 T__ 271.1 ___ ML 2.9 1509873 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.9 magdef=1
(Station ML: 2.9 magdef=1
CRES 1.91 275.7 Pg 20:55:37.665 0.1 T__ 128.9 ___ ML 2.7 1509854 FDSN SL -- BUD iLoc BHZ BHZ _
CRES 1.91 275.7 Lg 20:56:03.726 0.5 T__ 1509855 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 2.7 magdef=1
(Station ML: 2.7 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/12/02 18:18:40.93 1.92 0.94 45.8334 18.1071 17.1 4.7 164 10.0f 6 4 248 0.22 0.66 ke BUD 19005798 BUD 293

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Magnitude Err Nsta Author OrigID
ML 1.7 0.7 4 BUD 19005798

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
A273A 0.22 292.3 Pg 18:18:45.202 -0.7 T__ 420.5 ___ ML 1.5 1515147 FDSN Z6 00 BUD iLoc HHZ HHZ _
A273A 0.22 292.3 Lg 18:18:50.567 1.4 T__ 1515146 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
KOVH 0.26 358.9 Pg 18:18:46.139 -0.4 T__ 84.9 ___ ML 0.9 1515151 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=1
MORH 0.53 44.2 Pg 18:18:51.717 0.1 T__ 109.5 ___ ML 1.8 1515149 FDSN HU -- BUD iLoc HHZ HHZ _
MORH 0.53 44.2 Lg 18:18:59.276 -0.3 T__ 1515148 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
A264A 0.66 300.1 Pg 18:18:53.867 -0.1 T__ 529.3 ___ ML 2.6 1515150 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.6 magdef=1
(Station ML: 2.6 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/12/04 09:39:29.61 1.76 0.98 48.4526 17.5741 13.4 4.7 126 0.0f 8 6 220 0.21 1.26 sx BUD 19005802 BUD 265

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Magnitude Err Nsta Author OrigID
ML 1.6 0.3 4 BUD 19005802

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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.21	248.3	Pg	09:39:34.765	0.3					T__						1523189	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.21	248.3	Lg	09:39:37.175	-1.3					T__						1523190	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.41	8.9	Pg	09:39:38.326	-0.1					T__		87.2		---	ML	1.4	1523191	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
KRUC	0.99	308.5	Pg	09:39:48.478	-0.1					T__		52.5		---	ML	1.8	1523192	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	0.99	308.5	Lg	09:40:03.268	0.1					T__				---		1523193	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
VRAC	1.07	323.3	Pg	09:39:50.486	0.6					T__		16.5		---	ML	1.3	1523194	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
RONA	1.14	229.2	Pn	09:39:53.883	1.5					T__				---		1523195	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
CONA	1.26	246.0	Pn	09:39:54.832	0.7					T__		92.9		---	ML	2.2	1523196	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/12/04	09:48:19.20	1.11	0.92	47.5461	18.4566	8.4	3.7	103	0.0f		5	3	164	0.11	0.48	sx	BUD	19005804	BUD			279		
2023/12/04	09:48:19.25	0.99	0.69	47.5600	18.4573f				0.0f		5	3	161	0.09	0.47	kx	BUD_GT	19005805	BUD_GT			274		
(locality: Tatabánya Hungary)																								
(GT info : GT2 explosion)																								

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU09A	0.09	327.2	Pg	09:48:22.312	0.6					T__		835.0		---	ML	1.5	1523218	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU09A	0.09	327.2	Lg	09:48:23.600	-0.4					T__				---		1523220	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=0)																									
CSKK	0.24	214.2	Pg	09:48:24.631	0.1					T__		200.3		---	ML	1.3	1523219	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.24	214.2	Lg	09:48:28.046	-1.1					T__				---		1523221	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=0)																									
HU10A	0.47	52.8	Lg	09:48:37.002	-0.2					T__				---		1523222	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/04	10:10:21.53	1.11	1.32	48.3939	18.5540	8.4	5.3	37	0.0f		11	9	110	0.75	1.67	sx	BUD	19005806	BUD			136

Magnitude Err Nsta Author OrigID  
ML 1.9 0.2 3 BUD 19005806

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JAVC	0.75	308.8	Pg	10:10:37.029	0.1					T__		103.6		---	ML	1.9	1523249	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.75	308.8	Lg	10:10:47.583	-1.0					T__				---		1523251	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
MODS	0.85	269.1	Pg	10:10:39.786	0.9					T__				---		1523247	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.85	269.1	Lg	10:10:51.545	-0.4					T__				---		1523248	FDSN	SK	--	BUD	iLoc	HHN	???	_	

HU03A	0.85	124.6	Lg	10:10:51.560	-0.4	T__									1523252	FDSN	Z6	00	BUD	iLoc	HHN	???	_
CSKK	1.05	191.0	Sn	10:10:57.822	-1.5	T__									1523253	FDSN	HU	--	BUD	iLoc	HHN	???	_
HU08A	1.05	204.0	Lg	10:10:57.472	-1.2	T__									1523254	FDSN	Z6	00	BUD	iLoc	HHN	???	_
CP17A	1.32	96.9	Sn	10:11:04.268	-1.2	T__									1523255	FDSN	Z6	00	BUD	iLoc	HHN	???	_
JOS	1.33	84.8	Pn	10:10:47.879	1.5	T__				34.4					1523256	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.8 magdef=1																							
(Station ML: 1.8 magdef=1																							
MORC	1.54	334.7	Pn	10:10:49.852	0.2	T__				52.1					1523257	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.1 magdef=1																							
(Station ML: 2.1 magdef=1																							
RONA	1.67	246.2	Sn	10:11:16.396	2.1	T__									1523250	FDSN	OE	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/04	10:59:59.20	1.18	0.71	48.1314	16.9732	12.3	4.8	136	0.0f		7	5	186	0.32	1.01	sx	BUD	19005808	BUD			215

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.32	39.9	Pg	11:00:05.989	-0.1					T__						1523278	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.32	39.9	Lg	11:00:10.699	-1.0					T__						1523280	FDSN	SK	--	BUD	iLoc	HHN	???	_	
RONA	0.63	226.8	Lg	11:00:20.012	-0.2					T__						1523281	FDSN	OE	--	BUD	iLoc	HHN	???	_	
CONA	0.77	255.2	Lg	11:00:24.494	-0.2					T__						1523282	FDSN	OE	--	BUD	iLoc	HHN	???	_	
JAVC	0.86	32.2	Pg	11:00:17.739	0.8					T__		57.6			ML	1.7	1523279	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.86	32.2	Lg	11:00:30.589	0.3					T__						1523283	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1																									
(Station ML: 1.7 magdef=0																									
KRUC	1.01	337.8	Lg	11:00:32.956	-0.5					T__						1523284	FDSN	CZ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/04	11:36:31.66	1.03	1.17	47.7491	19.1274	7.3	3.8	175	0.0f		8	6	165	0.12	1.01	sx	BUD	19005810	BUD			177

Magnitude Err Nsta Author OrigID  
ML 1.6 0.2 3 BUD 19005810

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU10A	0.12	322.7	Pg	11:36:35.139	0.5					T__		3634.0			ML	2.2	1523304	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU10A	0.12	322.7	Lg	11:36:36.217	-1.0					T__						1523305	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1																									
(Station ML: 2.2 magdef=1																									
HU03A	0.35	63.9	Lg	11:36:44.472	-0.6					T__						1523306	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	0.54	71.6	Pg	11:36:44.132	0.6					T__		50.1			ML	1.5	1523307	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.54	71.6	Lg	11:36:51.034	-1.2					T__						1523308	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1																									
(Station ML: 1.5 magdef=1																									
CSKK	0.70	237.0	Lg	11:36:55.939	-1.6					T__						1523309	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU08A	0.87	249.1	Lg	11:37:03.529	0.6					T__						1523310	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	1.01	67.8	Pn	11:36:52.911	0.8					T__		38.2			ML	1.6	1523311	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1																									
(Station ML: 1.6 magdef=1																									



Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/05	09:36:28.36	1.10	0.94	48.6145	19.1134	6.0	5.3	174	0.0f	14	9	118	0.77	1.12	sx	BUD	19005818	BUD				218

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.0	6 BUD	19005818

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU10A	0.77	184.7	Lg	09:36:56.010	-0.4					T__						1527208	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU03A	0.78	155.3	Pg	09:36:45.053	0.4					T__		85.2			ML	1.9	1527207	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
PSZ	0.87	142.9	Pg	09:36:46.926	0.2					T__		49.0			ML	1.7	1527203	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.87	142.9	Lg	09:36:59.787	0.0					T__						1527204	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
JOS	0.95	96.6	Pg	09:36:46.948	-0.3					T__		39.4			ML	1.6	1527199	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.95	96.6	Lg	09:36:59.638	-1.8					T__						1527200	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
JAVC	0.99	284.9	Lg	09:37:02.726	-0.7					T__						1527211	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
CP16A	0.99	105.5	Pg	09:36:48.944	0.9					T__		83.4			ML	2.0	1527210	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.99	105.5	Lg	09:37:02.315	-0.0					T__						1527209	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=0)																									
CP17A	1.01	112.5	Lg	09:37:03.923	0.7					T__						1527212	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	1.06	117.1	Pn	09:36:49.758	0.1					T__		38.5			ML	1.7	1527202	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.06	117.1	Lg	09:37:04.237	-1.4					T__						1527201	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
NIE	1.12	43.7	Pn	09:36:52.036	1.4					T__		28.2			ML	1.6	1527206	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	1.12	43.7	Lg	09:37:06.089	0.5					T__						1527205	FDSN	PL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=0)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/05	09:41:40.97	1.06	1.14	47.9667	16.0849	5.9	4.8	27	0.0f	7	4	141	0.15	1.12	sx	BUD	19005820	BUD				256

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.15	255.7	Pg	09:41:43.914	-0.4					T__		127.5			ML	0.8	1527240	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.15	255.7	Lg	09:41:46.447	-0.2					T__						1527245	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=1)																									
RONA	0.30	151.9	Pg	09:41:46.958	-0.3					T__						1527241	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.30	151.9	Lg	09:41:51.238	-0.3					T__						1527242	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.81	208.1	Lg	09:42:08.868	2.0					T__						1527246	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.12	10.5	Pg	09:42:02.214	-0.2					T__		36.6			ML	1.7	1527244	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.12	10.5	Lg	09:42:19.758	0.9					T__						1527243	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									

(Station ML: 1.7 magdef=1)

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/05	09:52:02.40	1.04	0.23	46.1374	18.2981	7.1	3.6	154	0.0f		6	3	178	0.15	0.39	sx	BUD	19005822	BUD			284

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.6	3 BUD	19005822

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOVH	0.15	250.5	Pg	09:52:06.110	0.1					T__		367.0		___	ML	1.3	1527266	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.15	250.5	Lg	09:52:08.687	-0.2					T__				---		1527267	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
MORH	0.25	72.0	Pg	09:52:08.133	0.1					T__		76.5		___	ML	0.9	1527269	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.25	72.0	Lg	09:52:12.264	-0.3					T__				---		1527268	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
A266A	0.39	356.6	Pg	09:52:10.816	0.1					T__		208.3		___	ML	1.7	1527271	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A266A	0.39	356.6	Lg	09:52:17.033	-0.1					T__				---		1527270	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/05	10:28:13.62	1.78	0.86	48.5693	20.6928	12.3	6.7	93	0.0f		6	4	220	0.13	0.89	sx	BUD	19005824	BUD			329

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.13	234.2	Pg	10:28:16.394	0.0					T__		178.1		___	ML	0.9	1527292	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.13	234.2	Lg	10:28:18.555	-0.0					T__				---		1527293	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
CP16A	0.25	204.2	Pg	10:28:18.587	-0.2					T__		117.7		___	ML	1.1	1527295	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.25	204.2	Lg	10:28:23.740	1.0					T__				---		1527294	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
PSZ	0.84	219.6	Lg	10:28:43.007	-1.1					T__				---		1527296	FDSN	GE	--	BUD	iLoc	HHN	???	_	
NIE	0.89	343.2	Lg	10:28:43.178	0.1					T__				---		1527297	FDSN	PL	--	BUD	iLoc	BHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/05	10:42:14.48	0.98	0.95	47.8345	16.0238	9.1	3.8	41	0.0f		8	5	114	0.14	1.50	sx	BUD	19005826	BUD			199

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.14	310.7	Pg	10:42:17.650	0.1					T__		194.0		___	ML	1.0	1527318	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.14	310.7	Lg	10:42:20.056	0.2					T__				---		1527319	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									

RONA	0.23	126.2	Pg	10:42:19.290	-0.0	T__									1527320	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.23	126.2	Lg	10:42:23.080	0.4	T__									1527321	FDSN	OE	--	BUD	iLoc	HHN	???	_
ARSA	0.68	210.3	Lg	10:42:35.812	-0.3	T__									1527322	FDSN	OE	--	BUD	iLoc	HHN	???	_
KRUC	1.25	11.2	Pg	10:42:37.856	-0.7	T__									1527324	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.25	11.2	Sn	10:42:54.293	-1.9	T__				40.9			ML	1.8	1527323	FDSN	CZ	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1																							
(Station ML: 1.8 magdef=1																							
TREC	1.50	346.5	Sn	10:43:02.555	0.3	T__									1527325	FDSN	CZ	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/05	11:20:29.75	2.47	0.97	48.6299	20.7866	16.9	5.8	176	0.0f		6	4	266	0.21	0.45	sx	BUD	19005828	BUD			333

Magnitude	Err	Nsta	Author	OrigID
ML	1.2	0.1	3 BUD	19005828

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.21	230.8	Pg	11:20:34.375	0.2					T__		157.3			ML	1.1	1527345	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.21	230.8	Lg	11:20:36.781	-0.8					T__						1527346	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1																									
(Station ML: 1.1 magdef=1																									
CP16A	0.33	209.8	Pg	11:20:37.462	0.9					T__		109.2			ML	1.3	1527347	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.33	209.8	Lg	11:20:41.550	-0.1					T__						1527348	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1																									
(Station ML: 1.3 magdef=1																									
ABAH	0.45	137.8	Pg	11:20:39.059	0.1					T__		42.3			ML	1.2	1527350	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.2 magdef=1																									
(Station ML: 1.2 magdef=1																									
CP17A	0.45	204.2	Lg	11:20:44.787	-1.1					T__						1527349	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/06	00:39:09.98	1.15	0.87	48.6023	20.3278	7.2	5.5	97	10.0f		10	7	143	0.18	0.85	ke	BUD	19005832	BUD			271

Magnitude	Err	Nsta	Author	OrigID
ML	1.2	0.2	3 BUD	19005832

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.18	127.1	Pg	00:39:13.587	-0.4					T__		190.6			ML	1.1	1528373	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.18	127.1	Lg	00:39:16.435	-0.7					T__						1528374	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1																									
(Station ML: 1.1 magdef=1																									
CP16A	0.30	151.5	Lg	00:39:21.602	0.8					T__						1528380	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP17A	0.40	162.3	Lg	00:39:24.670	0.3					T__						1528381	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.50	164.6	Pg	00:39:20.819	0.3					T__		35.1			ML	1.2	1528376	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.50	164.6	Lg	00:39:29.657	1.5					T__						1528375	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1																									
(Station ML: 1.2 magdef=1																									
PSZ	0.74	203.1	Pn	00:39:25.640	0.1					T__		57.3			ML	1.7	1528378	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.74	203.1	Lg	00:39:35.755	-0.8					T__						1528377	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1																									
(Station ML: 1.7 magdef=1																									

NIE	0.82	358.7	Lg	00:39:37.362	0.8	T__									1528379	FDSN	PL	--	BUD	iLoc	BHN	???	_
HU03A	0.85	215.1	Lg	00:39:39.166	-0.5	T__									1528372	FDSN	Z6	00	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/06	07:54:40.08	2.66	1.30	48.9414	19.3889	21.4	7.7	84	0.0f		8	6	249	0.76	1.11	sx	BUD	19005836	BUD			318

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.2	3 BUD	19005836

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
NIE	0.76	51.0	Pg	07:54:54.467	-0.1					T__		21.4		___	ML	1.3	1528473	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.3 magdef=1 Station ML: 1.3 magdef=1)																									
JOS	0.88	119.9	Pg	07:54:57.489	-0.0					T__		24.7		___	ML	1.4	1528466	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.88	119.9	Lg	07:55:09.850	-0.8					T__				___		1528467	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1 Station ML: 1.4 magdef=1)																									
CP16A	0.97	127.7	Lg	07:55:13.822	0.7					T__				___		1528468	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP17A	1.04	133.7	Lg	07:55:17.620	2.3					T__				___		1528469	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	1.08	161.6	Lg	07:55:18.058	-0.4					T__				___		1528472	FDSN	GE	--	BUD	iLoc	HHN	???	_	
HU02A	1.11	136.9	Pn	07:55:01.844	-0.3					T__		23.7		___	ML	1.5	1528471	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.11	136.9	Lg	07:55:17.181	-1.3					T__				___		1528470	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/06	09:12:47.05	2.13	1.20	48.7603	19.3433	15.4	6.3	84	0.0f		12	7	247	0.84	1.34	sx	BUD	19005842	BUD			311

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.0	5 BUD	19005842

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.84	108.0	Pg	09:13:04.656	1.0					T__		49.6		___	ML	1.7	1528587	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.84	108.0	Lg	09:13:15.063	-1.0					T__				___		1528588	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=1)																									
CP16A	0.90	117.3	Lg	09:13:19.190	0.9					T__				___		1528589	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
NIE	0.91	43.3	Pg	09:13:04.400	0.2					T__		29.8		___	ML	1.5	1528597	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.91	43.3	Lg	09:13:16.670	-0.5					T__				___		1528598	FDSN	PL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=0)																									
PSZ	0.92	156.2	Pn	09:13:05.715	-0.7					T__		62.4		___	ML	1.8	1528596	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.92	156.2	Lg	09:13:19.592	-0.5					T__				___		1528595	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=1)																									
CP17A	0.95	124.5	Pn	09:13:08.052	1.6					T__		91.6		___	ML	2.0	1528591	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.95	124.5	Lg	09:13:18.642	-1.0					T__				___		1528590	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1 Station ML: 2.0 magdef=0)																									
HU02A	1.01	128.6	Pn	09:13:08.125	0.5					T__		41.7		___	ML	1.7	1528592	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_

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HU02A  1.01 128.6 Lg      09:13:20.395  -2.1          T__          ---          1528593      FDSN Z6      00 BUD  iLoc HHN ??? _
(Reading ML:  1.7 magdef=1
(Station ML:  1.7 magdef=1
ABAH   1.34 109.5 Sn      09:13:30.730  -0.9          T__          ---          1528594      FDSN HU      -- BUD  iLoc HHN ??? _

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Date      Time      Err    RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author      OrigID  Rep  DPdep  Err Sgp
2023/12/06 10:00:12.71  1.62  1.33  48.6487  20.0898  11.1  6.3  88  0.0f      5  4 179  0.34  0.78  sx BUD      19005844  BUD          286

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Magnitude Err Nsta Author OrigID

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Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
JOS  0.34 117.0 Pg      10:00:20.263  0.7          T__          26.5          ___ ML  0.7 1528621  FDSN Z6  -- BUD  iLoc HHZ HHZ _
JOS  0.34 117.0 Lg      10:00:23.892 -0.9          T__          ___          1528623  FDSN Z6  -- BUD  iLoc HHN ??? _
(Reading ML:  0.7 magdef=1
(Station ML:  0.7 magdef=0
HU02A 0.60 151.0 Lg      10:00:33.679 -1.1          T__          ___          1528624  FDSN Z6  00 BUD  iLoc HHN ??? _
PSZ   0.74 190.2 Lg      10:00:39.275 -0.5          T__          ___          1528622  FDSN GE  -- BUD  iLoc HHN ??? _
NIE   0.78  10.1 Lg      10:00:37.769 -0.9          T__          ___          1528625  FDSN PL  -- BUD  iLoc BHN ??? _

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Date      Time      Err    RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author      OrigID  Rep  DPdep  Err Sgp
2023/12/06 11:01:05.18  0.96  1.48  46.9919  17.3633  5.9  4.0 145  0.0f      9  7  92  0.15  1.18  sx BUD      19005846  BUD          171
2023/12/06 11:01:04.67  0.98  2.34  46.8902  17.3220f      0.0f      9  7 116  0.13  1.13  kx BUD_GT  19005847  BUD_GT          159

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(locality: Uzsa Hungary)  
(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID

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Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
A261A 0.13 297.5 Pg      11:01:08.381  0.4          T__          1958.7          ___ ML  2.0 1528648  FDSN Z6  00 BUD  iLoc HHZ HHZ _
A261A 0.13 297.5 Lg      11:01:11.503  0.8          T__          ___          1528647  FDSN Z6  00 BUD  iLoc HHN ??? _
(Reading ML:  2.0 magdef=1
(Station ML:  2.0 magdef=0
A263A 0.25 181.1 Lg      11:01:19.464  5.1          T__          ___          1528649  FDSN Z6  00 BUD  iLoc HHN ??? _
MPLH  0.32  27.9 Pg      11:01:09.933 -1.7          T__          346.9          ___ ML  1.7 1528645  FDSN HU  -- BUD  iLoc HHZ HHZ _
MPLH  0.32  27.9 Lg      11:01:13.475 -3.6          T__          ___          1528646  FDSN HU  -- BUD  iLoc HHN ??? _
(Reading ML:  1.7 magdef=1
(Station ML:  1.7 magdef=0
A266A 0.74 119.0 Sn      11:01:33.633 -0.3          T__          ___          1528650  FDSN Z6  00 BUD  iLoc HHN ??? _
KOVH  0.97 145.9 Sn      11:01:39.257  0.0          T__          ___          1528652  FDSN HU  -- BUD  iLoc HHN ??? _
RONA  1.07 319.6 Lg      11:01:41.229  1.1          T__          ___          1528651  FDSN OE  -- BUD  iLoc HHN ??? _
MORH  1.13 126.0 Sn      11:01:43.785  0.4          T__          ___          1528653  FDSN HU  -- BUD  iLoc HHN ??? _

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Date      Time      Err    RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author      OrigID  Rep  DPdep  Err Sgp
2023/12/06 12:03:25.64  0.87  0.82  46.9701  17.3465  3.9  3.4 178  0.0f      18 14 77  0.14  1.28  sx BUD      19005848  BUD          135
2023/12/06 12:03:25.74  0.87  1.56  46.8902  17.3220f      0.0f      18 14 68  0.13  1.28  kx BUD_GT  19005849  BUD_GT          125

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(locality: Uzsa Hungary)  
(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID

ML	2.2	0.3	5	BUD_GT	19005849																				
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BADH	0.13	129.3	Pg	12:03:30.748	1.7					T__		2098.4		---	ML	2.0	1528687	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BADH	0.13	129.3	Lg	12:03:33.463	1.7					T__				---		1528694	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
A261A	0.13	297.5	Pg	12:03:28.990	-0.1					T__		9372.5		---	ML	2.6	1528692	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A261A	0.13	297.5	Lg	12:03:30.414	-1.4					T__				---		1528693	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 2.6 magdef=1)																									
(Station ML: 2.6 magdef=0)																									
A263A	0.25	181.1	Lg	12:03:37.626	2.2					T__				---		1528696	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.32	27.9	Pg	12:03:31.570	-1.1					T__		1141.5		---	ML	2.2	1528688	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.32	27.9	Lg	12:03:35.271	-2.9					T__				---		1528695	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
TIH	0.39	88.4	Pg	12:03:33.505	-0.5					T__		1078.9		---	ML	2.4	1528689	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=1)																									
BEHE	0.56	222.0	Lg	12:03:47.322	1.9					T__				---		1528697	FDSN	HU	--	BUD	iLoc	HHN	???	_	
A265A	0.57	144.8	Lg	12:03:47.687	2.0					T__				---		1528698	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A266A	0.74	119.0	Lg	12:03:53.092	1.2					T__				---		1528700	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A267A	0.80	85.5	Lg	12:03:52.727	-2.0					T__				---		1528699	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KOGS	0.86	239.5	Sn	12:03:55.867	-1.8					T__				---		1528701	FDSN	SL	--	BUD	iLoc	BHN	???	_	
KOVH	0.97	145.9	Pg	12:03:45.155	-0.1					T__		69.7		---	ML	1.9	1528691	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.97	145.9	Sn	12:03:59.762	-0.5					T__				---		1528690	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=0)																									
RONA	1.07	319.6	Lg	12:03:59.665	-1.6					T__				---		1528702	FDSN	OE	--	BUD	iLoc	HHN	???	_	
MORH	1.13	126.0	Sn	12:04:03.975	-0.4					T__				---		1528703	FDSN	HU	--	BUD	iLoc	HHN	???	_	
ARSA	1.28	287.0	Sn	12:04:07.699	-0.1					T__				---		1528704	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/12/07 03:02:10.74 2.66 1.36 46.2342 16.7546 28.3 8.3 20 11.0f 6 5 203 0.24 1.31 ke BUD 19005854 BUD 247

Magnitude Err Nsta Author OrigID  
 ML 1.7 0.3 3 BUD 19005854

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BEHE	0.24	3.5	Pg	03:02:15.894	-0.2					T__		277.6		---	ML	1.4	1528823	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
KOGS	0.41	301.7	Lg	03:02:24.432	-0.3					T__				---		1528827	FDSN	SL	--	BUD	iLoc	BHN	???	_	
A262A	0.65	346.1	Pg	03:02:24.170	0.7					T__		101.5		---	ML	1.9	1528826	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
KOVH	0.95	98.4	Pn	03:02:28.043	-0.6					T__		45.0		---	ML	1.7	1528824	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.95	98.4	Lg	03:02:41.648	0.1					T__				---		1528825	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
MORH	1.31	90.2	Sn	03:02:53.197	2.1					T__				---		1528822	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/07	09:17:14.64	1.87	0.52	47.9293	20.4197	15.6	4.1	143	0.0f	10	6	212	0.21	0.66	sx	BUD	19005858	BUD				312
2023/12/07	09:17:15.13	0.93	0.67	47.9590	20.3545f				0.0f	10	6	202	0.20	0.68	kx	BUD_GT	19005859	BUD_GT				312

(locality: Eger-III Hungary)  
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.1	4 BUD_GT	19005859

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU02A	0.20	35.0	Pg	09:17:19.433	-0.4					T__		277.0		___	ML	1.3	1532891	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.20	35.0	Lg	09:17:22.830	-0.8					T__				---		1532892	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1 Station ML: 1.3 magdef=1)																									
CP17A	0.28	21.9	Pg	09:17:21.126	0.0					T__		262.3		___	ML	1.5	1532893	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.28	21.9	Lg	09:17:26.103	0.5					T__				---		1532894	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=1)																									
PSZ	0.31	262.7	Pg	09:17:22.867	0.6					T__		79.4		___	ML	1.1	1532898	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.31	262.7	Lg	09:17:27.913	0.2					T__				---		1532899	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1 Station ML: 1.1 magdef=1)																									
CP16A	0.40	17.9	Lg	09:17:30.170	0.5					T__				---		1532895	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
JOS	0.55	12.9	Pg	09:17:26.380	0.1					T__		44.1		___	ML	1.5	1532897	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.55	12.9	Lg	09:17:34.151	-0.6					T__				---		1532896	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=1)																									
ABAH	0.68	60.0	Lg	09:17:38.889	-1.4					T__				---		1532900	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/07	09:24:10.83	1.04	0.59	47.9385	16.0502	7.1	4.4	27	0.0f	6	3	133	0.13	1.15	sx	BUD	19005860	BUD				254

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.13	265.4	Pg	09:24:13.541	-0.1					T__		109.5		___	ML	0.7	1532923	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.13	265.4	Lg	09:24:15.755	0.1					T__				---		1532924	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.7 magdef=1 Station ML: 0.7 magdef=1)																									
RONA	0.29	145.1	Pg	09:24:16.703	-0.2					T__				---		1532926	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.29	145.1	Lg	09:24:21.376	0.3					T__				---		1532925	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.15	11.4	Pg	09:24:33.505	0.7					T__		77.2		___	ML	2.0	1532928	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.15	11.4	Lg	09:24:49.101	-0.7					T__				---		1532927	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1 Station ML: 2.0 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/07	10:25:44.09	2.45	0.52	48.7124	19.9530	20.4	7.0	78	0.0f	5	3	230	0.45	0.74	sx	BUD	19005862	BUD				331

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.45	118.9	Pg	10:25:52.931	-0.1					T__		40.4		---	ML	1.1	1532946	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.45	118.9	Lg	10:25:59.829	-0.0					T__				---		1532947	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
HU02A	0.70	147.0	Pg	10:25:58.381	-0.3					T__		42.9		---	ML	1.5	1532948	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.70	147.0	Lg	10:26:10.262	0.6					T__				---		1532950	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
NIE	0.74	17.8	Lg	10:26:08.942	0.2					T__				---		1532949	FDSN	PL	--	BUD	iLoc	BHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/07	11:28:18.70	2.14	1.41	48.6180	20.8044	14.0	4.8	0	0.0f		11	6	262	0.21	0.93	sx	BUD	19005864	BUD			325

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.1	5 BUD	19005864

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.21	235.3	Pg	11:28:23.287	0.1					T__		220.1		---	ML	1.2	1532977	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.21	235.3	Lg	11:28:26.215	-0.4					T__				---		1532978	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=0)																									
CP16A	0.33	212.6	Pg	11:28:26.353	0.9					T__		124.7		---	ML	1.3	1532979	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.33	212.6	Lg	11:28:31.431	0.9					T__				---		1532980	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
ABAH	0.43	137.9	Pg	11:28:28.083	0.5					T__		76.9		---	ML	1.4	1532984	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.43	137.9	Lg	11:28:33.821	-1.2					T__				---		1532985	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
CP17A	0.44	206.2	Lg	11:28:36.259	1.6					T__				---		1532981	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.53	200.7	Pg	11:28:29.409	-0.4					T__		62.4		---	ML	1.6	1532982	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.53	200.7	Lg	11:28:35.748	-2.6					T__				---		1532983	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
PSZ	0.93	221.3	Pn	11:28:37.185	-0.9					T__		62.8		---	ML	1.8	1532987	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.93	221.3	Lg	11:28:50.684	-1.4					T__				---		1532986	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=0)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/07	12:32:01.67	0.94	0.91	47.8817	16.0656	5.8	3.7	28	0.0f		10	6	81	0.14	1.20	sx	BUD	19005866	BUD			160

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.4	3 BUD	19005866

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.14	288.8	Pg	12:32:04.923	0.1					T__		159.1		---	ML	0.9	1533038	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_



```

CONA  0.14 288.8 Lg      12:32:07.505  0.5      T__      ---      1533039  FDSN OE      -- BUD  iLoc  HHN ??? _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=1
RONA  0.24 139.4 Pg      12:32:06.802  0.1      T__      ---      1533040  FDSN OE      -- BUD  iLoc  HHZ ??? _
RONA  0.24 139.4 Lg      12:32:10.273  0.0      T__      ---      1533041  FDSN OE      -- BUD  iLoc  HHN ??? _
ARSA  0.73 210.4 Pg      12:32:15.585 -0.2      T__      68.6     --- ML    1.7 1533042  FDSN OE      -- BUD  iLoc  HHZ HHZ _
ARSA  0.73 210.4 Lg      12:32:23.931 -1.1      T__      ---      1533043  FDSN OE      -- BUD  iLoc  HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
MODS  0.95  58.3 Lg      12:32:34.151 -1.4      T__      ---      1533044  FDSN SK      -- BUD  iLoc  HHN ??? _
EGYH  0.97 118.0 Lg      12:32:36.877  1.5      T__      ---      1533045  FDSN HU      -- BUD  iLoc  HHN ??? _
KRUC  1.20  10.4 Pg      12:32:25.122  0.4      T__      64.8     --- ML    2.0 1533047  FDSN CZ      -- BUD  iLoc  HHZ HHZ _
KRUC  1.20  10.4 Sn      12:32:42.325  0.1      T__      ---      1533046  FDSN CZ      -- BUD  iLoc  HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1

```

```

Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author  OrigID  Rep  DPdep  Err Sgp
2023/12/07 13:13:33.92  2.64  1.67  47.7438  19.9703  16.7  5.9 164  0.0f  7  6 222  0.18  1.02  sx BUD  19005868  BUD  287

```

Magnitude Err Nsta Author OrigID

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Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
PSZ  0.18 343.7 Pg      13:13:39.448  1.0  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
PSZ  0.18 343.7 Lg      13:13:40.667 -1.4  T__      ---      1533478  FDSN GE      -- BUD  iLoc  HHZ HHZ _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=0
HU02A 0.53 44.4 Lg      13:13:52.941 -1.0  T__      ---      1533481  FDSN Z6      00 BUD  iLoc  HHN ??? _
CP17A 0.60 37.2 Lg      13:13:55.305 -0.1  T__      ---      1533482  FDSN Z6      00 BUD  iLoc  HHN ??? _
HU10A 0.65 279.3 Lg      13:13:56.710 -1.3  T__      ---      1533479  FDSN Z6      00 BUD  iLoc  HHN ??? _
JOS   0.84 26.7 Lg      13:14:02.629 -0.9  T__      ---      1533483  FDSN Z6      -- BUD  iLoc  HHN ??? _
ABAH  1.02 56.6 Lg      13:14:07.925 -2.2  T__      ---      1533484  FDSN HU      -- BUD  iLoc  HHN ??? _

```

```

Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author  OrigID  Rep  DPdep  Err Sgp
2023/12/08 07:27:59.17  1.34  0.89  47.3092  18.3497  10.3  5.4  75  0.0f  5  4 165  0.08  1.11  sx BUD  19005872  BUD  289

```

Magnitude Err Nsta Author OrigID

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Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
CSKK 0.08 311.7 Pg      07:28:01.793  0.3  T__      --- ML    1.4 1534745  FDSN HU      -- BUD  iLoc  HHZ HHZ _
CSKK 0.08 311.7 Lg      07:28:02.674 -1.1  T__      ---      1534746  FDSN HU      -- BUD  iLoc  HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=0
HU08A 0.31 293.0 Lg      07:28:11.758  0.1  T__      ---      1534747  FDSN Z6      00 BUD  iLoc  HHN ??? _
HU09A 0.33  3.8 Lg      07:28:12.051 -0.2  T__      ---      1534748  FDSN Z6      00 BUD  iLoc  HHN ??? _
MORH  1.11 169.4 Lg      07:28:37.029 -0.4  T__      ---      1534749  FDSN HU      -- BUD  iLoc  HHN ??? _

```

```

Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author  OrigID  Rep  DPdep  Err Sgp
2023/12/08 08:33:27.46  1.17  0.20  47.3735  18.2404  8.8  4.6  39  0.0f  5  4 157  0.02  1.24  sx BUD  19005874  BUD  252

```

Magnitude	Err	Nsta	Author	OrigID	Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
CSKK	0.02	127.4	Pg		08:33:28.320	0.1									T__		596.8		___	ML	1.1	1535401	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
CSKK	0.02	127.4	Lg		08:33:29.126	-0.2									T__				___			1535402	FDSN	HU	--	BUD	iLoc	HHN	???	_	
		(Reading ML: 1.1 magdef=1)																													
		(Station ML: 1.1 magdef=1)																													
HU08A	0.22	285.2	Lg		08:33:36.684	-0.1									T__				___			1535403	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU09A	0.28	19.9	Lg		08:33:38.812	-0.1									T__				___			1535404	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
PSZ	1.24	63.4	Pn		08:33:51.089	-0.1									T__		52.4		___	ML	1.9	1535405	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_	
		(Reading ML: 1.9 magdef=1)																													
		(Station ML: 1.9 magdef=1)																													

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/08	09:06:12.96	2.69	1.44	47.3602	18.3692	18.6	7.4	134	0.0f		6	5	168	0.07	1.29	sx	BUD	19005876	BUD			247

Magnitude	Err	Nsta	Author	OrigID	Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
CSKK	0.07	272.3	Pg		09:06:15.155	0.0									T__		696.2		___	ML	1.3	1535425	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
CSKK	0.07	272.3	Lg		09:06:16.168	-1.1									T__				___			1535426	FDSN	HU	--	BUD	iLoc	HHN	???	_	
		(Reading ML: 1.3 magdef=1)																													
		(Station ML: 1.3 magdef=0)																													
HU09A	0.28	1.8	Lg		09:06:24.029	-0.2									T__				___			1535424	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU08A	0.31	283.4	Lg		09:06:26.366	1.1									T__				___			1535427	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MORH	1.16	170.6	Sn		09:06:52.075	-0.7									T__				___			1535428	FDSN	HU	--	BUD	iLoc	HHN	???	_	
KOVH	1.29	188.4	Sn		09:06:57.626	1.8									T__				___			1535429	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/08	09:11:12.04	1.06	2.12	48.6012	18.6511	12.6	5.2	44	0.0f		9	7	154	0.70	1.38	sx	BUD	19005878	BUD			191

Magnitude	Err	Nsta	Author	OrigID	Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
ML	2.0	0.0	7 BUD	19005878																											
JAVC	0.70	292.1	Pg		09:11:26.740	0.3									T__		165.5		___	ML	2.1	1535460	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_	
JAVC	0.70	292.1	Lg		09:11:36.527	-0.8									T__				___			1535461	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
		(Reading ML: 2.1 magdef=1)																													
		(Station ML: 2.1 magdef=0)																													
HU03A	0.94	137.4	Pn		09:11:33.681	2.1									T__		83.8		___	ML	1.9	1535458	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU03A	0.94	137.4	Lg		09:11:43.761	-1.7									T__				___			1535459	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
		(Reading ML: 1.9 magdef=1)																													
		(Station ML: 1.9 magdef=1)																													
PSZ	1.08	129.0	Pn		09:11:36.043	2.4									T__		63.4		___	ML	1.9	1535456	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_	
		(Reading ML: 1.9 magdef=1)																													
		(Station ML: 1.9 magdef=1)																													
JOS	1.26	94.1	Pn		09:11:37.194	1.2									T__		60.4		___	ML	2.0	1535454	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_	
		(Reading ML: 2.0 magdef=1)																													
		(Station ML: 2.0 magdef=1)																													
HU02A	1.34	110.3	Pn		09:11:39.549	2.3									T__		51.6		___	ML	2.0	1535455	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	

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(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
NIE 1.36 52.4 Pn 09:11:40.206 2.5 T__ 43.3 ___ ML 1.9 1535457 FDSN PL -- BUD iLoc BHZ BHZ _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=0
MORC 1.38 328.7 Pg 09:11:37.424 -0.3 T__ 55.6 ___ ML 2.0 1535462 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1

```

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/08	09:22:05.71	1.06	0.93	48.5268	20.7760	5.1	4.4	0	0.0f		9	7	86	0.16	1.07	sx	BUD	19005880	BUD			168

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Magnitude Err Nsta Author OrigID
ML 1.4 0.1 5 BUD 19005880

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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
JOS	0.16	258.9	Pg	09:22:08.381	-0.8					T__		462.7		___	ML	1.4	1535497	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_	
JOS	0.16	258.9	Lg	09:22:11.959	0.1					T__				---		1535498	FDSN	Z6	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.4 magdef=1 (Station ML: 1.4 magdef=1)																										
CP16A	0.24	220.5	Pg	09:22:10.846	0.1					T__		213.4		___	ML	1.3	1535499	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
CP16A	0.24	220.5	Lg	09:22:15.995	1.4					T__				---		1535500	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 1.3 magdef=1 (Station ML: 1.3 magdef=1)																										
CP17A	0.36	209.9	Pg	09:22:13.037	-0.0					T__		158.8		___	ML	1.5	1535501	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 1.5 magdef=1 (Station ML: 1.5 magdef=1)																										
ABAH	0.39	126.6	Pg	09:22:13.420	-0.3					T__		73.9		___	ML	1.2	1535503	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 1.2 magdef=1 (Station ML: 1.2 magdef=0)																										
HU02A	0.44	202.6	Lg	09:22:21.308	-0.9					T__				---		1535502	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
NIE	0.95	340.8	Pg	09:22:24.266	0.7					T__		38.1		---	ML	1.6	1535504	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_	
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=0)																										
KOLS	1.07	67.1	Lg	09:22:41.539	-1.2					T__				---		1535505	FDSN	SK	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/08	09:57:22.74	1.05	0.90	48.1469	21.3577	6.3	5.6	13	0.0f		10	8	119	0.17	1.01	sx	BUD	19005882	BUD			172

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Magnitude Err Nsta Author OrigID
ML 1.7 0.1 6 BUD 19005882

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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
ABAH	0.17	332.2	Pg	09:57:26.841	0.2					T__		378.9		___	ML	1.3	1535538	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ABAH	0.17	332.2	Lg	09:57:30.200	0.1					T__				---		1535539	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML: 1.3 magdef=1 (Station ML: 1.3 magdef=0)																										
HU11A	0.26	209.9	Pg	09:57:28.703	0.2					T__		877.6		___	ML	2.0	1535541	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
HU11A	0.26	209.9	Lg	09:57:34.254	1.0					T__				---		1535540	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 2.0 magdef=1																										

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(Station ML: 2.0 magdef=0
HU02A 0.56 267.8 Pg 09:57:33.231 -1.3 T__ 72.9 ___ ML 1.7 1535544 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
CP16A 0.58 290.0 Pg 09:57:34.948 0.5 T__ 98.7 ___ ML 1.8 1535542 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
JOS 0.65 302.9 Pg 09:57:35.733 0.0 T__ 57.7 ___ ML 1.6 1535543 FDSN Z6 -- BUD iLoc HHZ HHZ _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
TRPA 0.79 90.8 Pg 09:57:37.760 -0.5 T__ 86.4 ___ ML 1.9 1535545 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
KOLS 0.99 37.4 Pn 09:57:43.603 0.6 T__ ___ 1535546 FDSN SK -- BUD iLoc HHZ ??? _
PSZ 1.01 257.4 Lg 09:57:57.553 -1.5 T__ ___ 1535547 FDSN GE -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/12/08 10:42:18.21 1.07 1.35 48.7982 21.6138 12.0 4.6 160 0.0f 9 7 154 0.46 1.45 sx BUD 19005884 BUD 281

```

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Magnitude Err Nsta Author OrigID
ML 2.2 0.2 6 BUD 19005884

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
KOLS 0.46 72.5 Pg 10:42:27.188 0.1 T__ 1535589 FDSN SK -- BUD iLoc HHZ ??? _
JOS 0.77 247.4 Pg 10:42:32.894 -0.7 T__ 155.9 ___ ML 2.1 1535581 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.77 247.4 Lg 10:42:44.132 -1.0 T__ ___ 1535582 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
KECS 0.81 247.6 Pg 10:42:35.112 0.8 T__ 334.6 ___ ML 2.5 1535583 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.81 247.6 Lg 10:42:45.410 -1.0 T__ ___ 1535584 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=1
CP16A 0.85 237.8 Pg 10:42:35.952 0.9 T__ 368.0 ___ ML 2.5 1535585 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=0
HU02A 0.99 227.4 Pn 10:42:36.792 -1.6 T__ 83.3 ___ ML 2.0 1535586 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
NIE 1.06 306.2 Pg 10:42:38.600 0.3 T__ 63.0 ___ ML 1.9 1535588 FDSN PL -- BUD iLoc BHZ BHZ _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=0
PSZ 1.45 233.1 Pn 10:42:46.999 2.1 T__ 86.5 ___ ML 2.2 1535587 FDSN GE -- BUD iLoc HHZ HHZ _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/12/08 17:33:25.65 1.30 0.83 45.9284 17.2228 10.1 4.8 19 7.6 12.9 17 14 174 0.24 1.39 ke BUD 19005886 BUD 190

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Magnitude Err Nsta Author OrigID
ML 2.3 0.2 12 BUD 19005886

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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
A264A	0.24	11.4	Pg	17:33:29.762	-1.0					T__		2790.9		_d_	ML	2.4	1535854	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
(Reading ML:																										
(Station ML:																										
A273A	0.41	91.5	Pg	17:33:34.172	-0.0					T__		291.4		___	ML	1.9	1535857	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
(Reading ML:																										
(Station ML:																										
BEHE	0.62	330.3	Pg	17:33:38.819	0.6					T__		443.7		___	ML	2.5	1535849	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
BEHE	0.62	330.3	Lg	17:33:48.460	1.9					T__				___		1535850	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Reading ML:																										
(Station ML:																										
KOVH	0.63	75.0	Pg	17:33:39.084	0.7					T__		102.9		___	ML	1.9	1535858	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
(Reading ML:																										
(Station ML:																										
A265A	0.64	38.5	Pg	17:33:37.678	-0.8					T__		417.1		___	ML	2.5	1535855	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
(Reading ML:																										
(Station ML:																										
A263A	0.72	5.1	Pg	17:33:39.677	-0.2					T__		548.2		___	ML	2.6	1535852	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
A263A	0.72	5.1	Lg	17:33:49.829	0.1					T__				___		1535853	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML:																										
(Station ML:																										
KOGS	0.85	307.9	Pg	17:33:41.749	-0.4					T__		106.3		___	ML	2.0	1535860	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_	
KOGS	0.85	307.9	Lg	17:33:53.609	0.3					T__				___		1535851	FDSN	SL	--	BUD	iLoc	BHN	???	_		
(Reading ML:																										
(Station ML:																										
PTJ	0.88	269.1	Lg	17:33:54.074	-1.3					T__				___		1535856	FDSN	CR	--	BUD	iLoc	BHN	???	_		
A266A	0.94	50.1	Pn	17:33:44.114	0.3					T__		283.4		___	ML	2.5	1535861	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
(Reading ML:																										
(Station ML:																										
MORH	1.03	73.3	Pn	17:33:44.762	-0.2					T__		63.4		___	ML	1.9	1535859	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
(Reading ML:																										
(Station ML:																										
A262A	1.05	333.0	Pn	17:33:45.182	-0.5					T__		174.7		___	ML	2.3	1535862	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
(Reading ML:																										
(Station ML:																										
TIH	1.08	25.3	Pn	17:33:45.666	-0.1					T__		172.1		___	ML	2.3	1535863	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
(Reading ML:																										
(Station ML:																										
CRES	1.24	265.9	Pn	17:33:49.172	0.5					T__		75.7		___	ML	2.1	1535864	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_	
(Reading ML:																										
(Station ML:																										
HU22A	1.39	72.6	Lg	17:34:11.887	0.8					T__				___		1535865	FDSN	Z6	00	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/09	11:25:40.34	1.32	0.67	48.5410	20.8263	8.7	3.8	10	0.0f		12	7	152	0.20	0.94	sx	BUD	19005896	BUD			234

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.2	7 BUD	19005896

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.20	256.8	Pg	11:25:44.283	-0.2					T__		349.7		___	ML	1.4	1536239	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_

JOS	0.20	256.8	Lg	11:25:48.218	0.5	T__									1536240	FDSN	Z6	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.4 magdef=1)																							
(Station ML: 1.4 magdef=1)																							
KECS	0.23	255.8	Pg	11:25:44.945	-0.3	T__	744.0								1536242	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.23	255.8	Lg	11:25:49.163	0.2	T__									1536241	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Reading ML: 1.8 magdef=1)																							
(Station ML: 1.8 magdef=1)																							
CP16A	0.28	223.9	Pg	11:25:47.118	1.1	T__	270.0								1536243	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.28	223.9	Lg	11:25:50.581	0.2	T__									1536250	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.5 magdef=1)																							
(Station ML: 1.5 magdef=1)																							
ABAH	0.37	131.5	Pg	11:25:48.140	0.2	T__	74.3								1536246	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.37	131.5	Lg	11:25:54.138	-0.3	T__									1536247	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.2 magdef=1)																							
(Station ML: 1.2 magdef=0)																							
CP17A	0.38	213.2	Pg	11:25:47.209	-1.1	T__	94.3								1536244	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP17A	0.38	213.2	Lg	11:25:53.700	-0.5	T__									1536245	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.3 magdef=1)																							
(Station ML: 1.3 magdef=1)																							
PSZ	0.88	225.3	Pg	11:25:58.539	-0.4	T__	71.9								1536248	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.8 magdef=1)																							
(Station ML: 1.8 magdef=0)																							
NIE	0.94	338.6	Pn	11:26:00.876	0.9	T__	31.5								1536249	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.5 magdef=1)																							
(Station ML: 1.5 magdef=1)																							

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/11	08:37:24.23	1.71	0.97	46.0880	22.9271	18.3	7.5	75	0.0f		5	4	196	0.21	1.03	sx	BUD	19005916	BUD			301

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.2	3 BUD	19005916

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
DEV	0.21	184.6	Pg	08:37:28.452	0.3					T__		820.0			ML	1.8	1538420	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.21	184.6	Lg	08:37:30.118	-0.9					T__						1538421	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
GZR	0.70	188.7	Pg	08:37:38.148	0.4					T__		100.3			ML	1.9	1538422	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
DRGR	0.72	348.1	Lg	08:37:49.592	-0.8					T__						1538423	FDSN	RO	--	BUD	iLoc	HHN	???	_	
BZS	1.03	243.2	Pg	08:37:44.570	0.3					T__		35.2			ML	1.6	1538424	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/12/11	09:44:51.27	0.90	0.88	47.0073	18.9229	4.2	3.4	28	8.8		9.3	13	10	82	0.16	1.08	ke	BUD	19005918	BUD			113

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.0	7 BUD	19005918

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
A271A	0.16	337.7	Pg	09:44:55.002	-0.1					T__		3219.8		___	ML	2.3	1538498	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.3 magdef=1 Station ML: 2.3 magdef=1)																									
A272A	0.26	173.7	Pg	09:44:57.206	0.2					T__		711.5		___	ML	1.9	1538499	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=1)																									
A267A	0.31	258.7	Pg	09:44:58.109	0.4					T__		240.5		___	ML	1.5	1538501	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A267A	0.31	258.7	Lg	09:45:03.313	0.3					T__				___		1538500	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=0)																									
HU04B	0.40	118.5	Pg	09:45:00.036	0.2					T__		328.3		___	ML	1.9	1538502	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU04B	0.40	118.5	Lg	09:45:05.322	-1.1					T__				___		1538505	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=1)																									
BUD	0.48	8.2	Lg	09:45:10.369	1.3					T__				___		1538497	FDSN	HU	--	BUD	iLoc	HHN	???	_	
CSKK	0.58	308.5	Lg	09:45:10.484	-1.8					T__				___		1538506	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU22A	0.69	168.0	Pg	09:45:05.423	0.4					T__		331.0		___	ML	2.4	1538507	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.4 magdef=1 Station ML: 2.4 magdef=0)																									
HU13A	0.76	91.1	Lg	09:45:18.098	-0.3					T__				___		1538504	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MORH	0.82	193.8	Pg	09:45:07.191	-0.2					T__		87.9		___	ML	1.9	1538503	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=1)																									
KOVH	1.08	212.0	Pg	09:45:12.744	0.4					T__		66.2		___	ML	1.9	1538496	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	1.08	212.0	Sn	09:45:26.037	-0.5					T__				___		1538495	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/11	10:47:18.47	1.11	0.59	47.1073	17.9994	7.3	4.5	91	0.0f		6	4	164	0.22	0.33	sx	BUD	19005920	BUD			246

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
TIH	0.22	199.4	Pg	10:47:23.551	0.1					T__		403.6		___	ML	1.5	1538790	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TIH	0.22	199.4	Lg	10:47:27.279	-0.1					T__				___		1538787	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=1)																									
CSKK	0.31	34.7	Lg	10:47:30.675	-0.4					T__				___		1538789	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MPLH	0.32	281.5	Pg	10:47:25.815	0.4					T__		89.1		___	ML	1.1	1538791	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.32	281.5	Lg	10:47:30.054	-0.8					T__				___		1538786	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1 Station ML: 1.1 magdef=1)																									
HU08A	0.33	351.0	Lg	10:47:31.405	-0.0					T__				___		1538788	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/11	11:00:00.53	1.02	0.56	48.1159	16.9807	9.6	4.1	133	0.0f		8	4	182	0.11	1.02	sx	BUD	19005922	BUD			292

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
ZST	0.11	45.4	Pg	11:00:04.053	0.6					T__						1538813	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.11	45.4	Lg	11:00:05.514	-0.5					T__						1538814	FDSN	SK	--	BUD	iLoc	HHN	???	_
MODS	0.33	37.4	Pg	11:00:07.641	0.0					T__						1538811	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.33	37.4	Lg	11:00:12.407	-0.9					T__						1538812	FDSN	SK	--	BUD	iLoc	HHN	???	_
RONA	0.62	228.1	Pg	11:00:12.872	-0.1					T__						1538816	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.62	228.1	Lg	11:00:21.345	0.1					T__						1538815	FDSN	OE	--	BUD	iLoc	HHN	???	_
KRUC	1.02	337.9	Pg	11:00:20.541	0.4					T__		83.8				1538817	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.02	337.9	Lg	11:00:35.185	-0.1					T__						1538818	FDSN	CZ	--	BUD	iLoc	HHN	???	_

(Reading ML: 2.0 magdef=1

(Station ML: 2.0 magdef=0

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/11	11:04:55.88	2.11	1.74	47.5591	18.4373	26.1	4.3	92	0.0f		6	5	123	0.09	1.52	sx	BUD	19005924	BUD			215

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
HU09A	0.09	335.0	Pg	11:04:58.438	0.2					T__		2210.9			ML 1.9	1538835	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU09A	0.09	335.0	Lg	11:05:00.018	-0.4					T__						1538836	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1																								
(Station ML: 1.9 magdef=1																								
CSKK	0.23	211.5	Pg	11:05:01.150	0.1					T__		245.2			ML 1.3	1538837	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.3 magdef=1																								
(Station ML: 1.3 magdef=1																								
PSZ	1.05	69.4	Sn	11:05:31.497	-2.3					T__						1538838	FDSN	GE	--	BUD	iLoc	HHN	???	_
MORH	1.35	173.9	Sn	11:05:38.800	-1.6					T__						1538839	FDSN	HU	--	BUD	iLoc	HHN	???	_
HU02A	1.52	67.4	Sn	11:05:45.812	0.9					T__						1538840	FDSN	Z6	00	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/11	12:57:09.56	2.28	0.52	48.3300	19.8703	17.2	5.2	127	0.0f		8	6	251	0.41	0.91	sx	BUD	19005926	BUD			314

Magnitude Err Nsta Author OrigID  
ML 1.6 0.0 5 BUD 19005926

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
PSZ	0.41	177.7	Pg	12:57:18.825	0.2					T__		144.7			ML 1.6	1539075	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.41	177.7	Lg	12:57:25.179	-0.2					T__						1539076	FDSN	GE	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1																								
(Station ML: 1.6 magdef=1																								
KECS	0.44	69.3	Pg	12:57:18.441	-0.0					T__		158.0			ML 1.7	1539071	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Reading ML: 1.7 magdef=1																								
(Station ML: 1.7 magdef=1																								
CP16A	0.45	88.2	Pg	12:57:19.135	0.5					T__		164.5			ML 1.8	1539072	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.45	88.2	Lg	12:57:26.019	0.5					T__						1539073	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1																								
(Station ML: 1.8 magdef=0																								
JOS	0.48	69.3	Pg	12:57:18.898	-0.2					T__		94.3			ML 1.6	1539070	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_



(Reading ML: 1.6 magdef=1  
 (Station ML: 1.6 magdef=1  
 HU02A 0.48 115.2 Pg 12:57:19.482 -0.4 T\_\_ 61.3 \_\_\_ ML 1.4 1539074 FDSN Z6 00 BUD iLoc HHZ HHZ \_  
 (Reading ML: 1.4 magdef=1  
 (Station ML: 1.4 magdef=0  
 ABAH 0.91 91.6 Lg 12:57:41.181 -0.8 T\_\_ \_\_\_ 1539077 FDSN HU -- BUD iLoc HHN ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/11	15:50:27.90	1.83	0.94	48.4909	17.7094	12.8	4.1	112	0.0f		10	6	238	0.31	1.36	sx	BUD	19005928	BUD			275

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.3	3 BUD	19005928

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
MODS	0.31	248.0	Pg	15:50:34.660	-0.0					T__						1539107	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.31	248.0	Lg	15:50:39.061	-1.0					T__						1539116	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.37	356.0	Pg	15:50:35.769	-0.1					T__	208.7			___	ML	1.6	1539110	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=1																									
ZST	0.50	234.1	Pg	15:50:38.435	0.2					T__						1539109	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
ZST	0.50	234.1	Lg	15:50:45.337	-0.9					T__						1539108	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KRUC	1.04	303.8	Pg	15:50:48.094	0.3					T__	81.5			___	ML	2.0	1539111	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.04	303.8	Lg	15:51:02.556	-0.6					T__						1539112	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 2.0 magdef=1 (Station ML: 2.0 magdef=1																									
VRAC	1.10	318.4	Pg	15:50:49.847	1.1					T__	22.0			___	ML	1.5	1539114	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
VRAC	1.10	318.4	Lg	15:51:04.236	-0.6					T__						1539113	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1 (Station ML: 1.5 magdef=1																									
CONA	1.36	246.2	Lg	15:51:13.657	1.6					T__						1539115	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/12	03:32:01.33	0.98	1.92	46.8912	16.7477	8.0	3.8	160	5.0f		9	8	128	0.15	1.23	ke	BUD	19005930	BUD			162

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.4	4 BUD	19005930

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
A262A	0.15	260.0	Pg	03:32:04.237	-0.5					T__		178.3			___	ML	1.0	1539926	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A262A	0.15	260.0	Lg	03:32:08.112	1.0					T__						1539927	FDSN	Z6	00	BUD	iLoc	HHN	???	_		
(Reading ML: 1.0 magdef=1 (Station ML: 1.0 magdef=1																										
A261A	0.28	77.4	Pg	03:32:07.856	0.6					T__	127.2			___	ML	1.2	1539928	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_	
(Reading ML: 1.2 magdef=1 (Station ML: 1.2 magdef=1																										
BEHE	0.42	177.4	Lg	03:32:14.711	-1.1					T__						1539929	FDSN	HU	--	BUD	iLoc	HHN	???	_		
KOGS	0.56	217.9	Pg	03:32:13.860	1.4					T__	77.6			___	ML	1.7	1539925	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_	
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=1																										
MPLH	0.61	62.4	Lg	03:32:20.870	-1.6					T__						1539930	FDSN	HU	--	BUD	iLoc	HHN	???	_		

ARSA	0.91	293.7	Pn	03:32:21.360	1.4					T__	60.2	---	ML	1.8	1539931	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.8 magdef=1)																							
(Station ML: 1.8 magdef=1)																							
PTJ	1.12	209.0	Lg	03:32:36.163	-2.8					T__		---			1539932	FDSN	CR	--	BUD	iLoc	BHN	???	_
KOVH	1.23	130.2	Sn	03:32:38.429	-2.2					T__		---			1539933	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/12	03:39:20.06	0.95	1.00	46.8185	16.8195	7.8	3.7	157	10.0f		10	6	167	0.21	1.29	ke	BUD	19005932	BUD			223

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.4	4 BUD	19005932

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
A262A	0.21	283.0	Pg	03:39:24.115	-0.5					T__		303.6		---	ML	1.4	1539962	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A262A	0.21	283.0	Lg	03:39:27.876	0.0					T__				---		1539963	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
A261A	0.26	59.3	Pg	03:39:25.731	-0.0					T__		112.0		---	ML	1.1	1539964	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A261A	0.26	59.3	Lg	03:39:28.956	-0.9					T__				---		1539967	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
KOGS	0.54	226.8	Pg	03:39:31.171	0.3					T__		71.0		---	ML	1.7	1539965	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.54	226.8	Lg	03:39:37.718	-0.3					T__				---		1539966	FDSN	SL	--	BUD	iLoc	BHE	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
MPLH	0.61	54.2	Lg	03:39:41.664	0.5					T__				---		1539970	FDSN	HU	--	BUD	iLoc	HHN	???	_	
ARSA	0.99	296.5	Pn	03:39:39.980	0.9					T__		73.9		---	ML	1.9	1539969	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
ARSA	0.99	296.5	Sn	03:39:53.980	1.5					T__				---		1539968	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
CONA	1.29	330.0	Lg	03:40:03.198	1.6					T__				---		1539971	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/12	08:27:24.58	1.82	1.42	48.0454	19.9179	15.9	5.5	114	0.0f		6	4	213	0.13	0.61	sx	BUD	19005934	BUD			321

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
PSZ	0.13	187.1	Lg	08:27:30.234	-0.6					T__				---		1540727	FDSN	GE	--	BUD	iLoc	HHN	???	_	
HU02A	0.41	79.1	Pg	08:27:33.640	0.1					T__		29.9		---	ML	0.9	1540729	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.41	79.1	Lg	08:27:40.794	0.4					T__				---		1540728	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 0.9 magdef=1)																									
(Station ML: 0.9 magdef=1)																									
KECS	0.58	40.7	Lg	08:27:45.034	-0.1					T__				---		1540731	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	0.61	42.4	Pg	08:27:37.936	1.1					T__		30.0		---	ML	1.3	1540732	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.61	42.4	Lg	08:27:44.158	-2.1					T__				---		1540730	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/12	08:39:16.72	1.50	1.31	47.3463	18.4263	8.5	5.5	83	0.0f	7	6	112	0.11	1.15	sx	BUD	19005936	BUD				194

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.11	278.5	Pg	08:39:19.609	-0.0					T__		1939.0		---	ML	1.9	1540751	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.11	278.5	Lg	08:39:21.014	-1.4					T__				---		1540756	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=0)																									
HU09A	0.29	354.2	Lg	08:39:28.594	0.1					T__				---		1540752	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU08A	0.35	284.2	Lg	08:39:30.751	0.3					T__				---		1540757	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.63	254.1	Lg	08:39:40.539	1.3					T__				---		1540753	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MORH	1.14	172.4	Lg	08:39:55.528	-0.4					T__				---		1540754	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	1.15	59.5	Sn	08:39:58.679	1.7					T__				---		1540755	FDSN	GE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/12/12	09:30:47.90	1.29	0.76	48.7555	20.7924	8.0	6.5	106	0.0f	7	5	172	0.31	0.74	sx	BUD	19005938	BUD					290

Magnitude Err Nsta Author OrigID  
ML 1.4 0.3 3 BUD 19005938

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.31	212.9	Pg	09:30:54.661	0.5					T__		86.2		---	ML	1.1	1540809	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.31	212.9	Lg	09:30:58.504	-0.5					T__				---		1540813	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
KECS	0.34	216.9	Lg	09:30:59.309	-0.8					T__				---		1540814	FDSN	SK	--	BUD	iLoc	EHN	???	_	
CP16A	0.45	202.2	Pg	09:30:57.540	0.6					T__		71.7		---	ML	1.4	1540810	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.45	202.2	Lg	09:31:03.076	-0.6					T__				---		1540811	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
ABAH	0.55	146.9	Pg	09:30:59.137	0.2					T__		66.1		---	ML	1.6	1540812	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
NIE	0.74	334.2	Lg	09:31:11.821	-0.6					T__				---		1540815	FDSN	PL	--	BUD	iLoc	BHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2023/12/12	10:07:21.28	3.33	0.07	48.6614	20.8432	27.2	6.1	1	0.0f	5	4	270	0.26	0.45	sx	BUD	19005940	BUD					339

Magnitude Err Nsta Author OrigID  
ML 1.3 0.1 4 BUD 19005940

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.26	230.7	Pg	10:07:26.710	0.1					T__		134.0		---	ML	1.2	1540837	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.26	230.7	Lg	10:07:30.841	0.0					T__				---		1540838	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
KECS	0.30	233.2	Pg	10:07:27.317	-0.1					T__		202.9		---	ML	1.4	1540839	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Reading ML: 1.4 magdef=1)																									

(Station ML: 1.4 magdef=1  
 CP16A 0.38 212.4 Pg 10:07:28.924 -0.0 T\_\_ 92.9 \_\_\_ ML 1.3 1540840 FDSN Z6 00 BUD iLoc HHZ HHZ \_  
 (Reading ML: 1.3 magdef=1  
 (Station ML: 1.3 magdef=1  
 ABAH 0.45 144.0 Pg 10:07:30.479 0.0 T\_\_ 66.3 \_\_\_ ML 1.4 1540841 FDSN HU -- BUD iLoc HHZ HHZ \_  
 (Reading ML: 1.4 magdef=1  
 (Station ML: 1.4 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/12	10:13:57.97	1.04	0.74	48.9666	21.2462	6.0	5.2	166	0.0f	10	7	146	0.66	0.97	sx	BUD	19005942	BUD				233

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.1	6 BUD	19005942

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
JOS	0.66	225.1	Pg	10:14:10.518	-0.6					T__		54.6		___	ML	1.6 1540877	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=1																								
ABAH	0.67	180.4	Pn	10:14:13.754	-1.0					T__		72.4		___	ML	1.7 1540872	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.67	180.4	Lg	10:14:22.909	0.5					T__				___		1540873	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=1																								
KOLS	0.68	92.4	Pg	10:14:10.858	-0.1					T__				___		1540879	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KECS	0.70	226.4	Pg	10:14:11.540	-0.3					T__		92.7		___	ML	1.9 1540878	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Reading ML: 1.9 magdef=1 (Station ML: 1.9 magdef=1																								
NIE	0.77	306.4	Pg	10:14:12.136	-0.4					T__		33.8		___	ML	1.5 1540880	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.77	306.4	Lg	10:14:24.655	1.2					T__				___		1540881	FDSN	PL	--	BUD	iLoc	BHN	???	_
(Reading ML: 1.5 magdef=1 (Station ML: 1.5 magdef=0																								
CP16A	0.78	217.1	Pg	10:14:13.924	0.4					T__		92.9		___	ML	1.9 1540875	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.78	217.1	Lg	10:14:25.592	0.5					T__				___		1540874	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1 (Station ML: 1.9 magdef=0																								
HU02A	0.97	209.8	Pn	10:14:17.501	-0.4					T__		54.3		___	ML	1.8 1540876	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.8 magdef=1 (Station ML: 1.8 magdef=1																								

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/12	11:04:23.51	2.82	0.72	48.4546	19.1096	17.3	6.3	130	0.0f	10	7	261	0.61	1.00	sx	BUD	19005946	BUD				297

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.0	4 BUD	19005946

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
HU10A	0.61	185.7	Lg	11:04:45.266	-0.8					T__				___		1541018	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU03A	0.64	149.1	Pg	11:04:36.958	0.0					T__		97.4		___	ML	1.8 1541020	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.64	149.1	Lg	11:04:47.298	0.7					T__				___		1541021	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.8 magdef=1 (Station ML: 1.8 magdef=1																								

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PSZ 0.75 135.3 Pg 11:04:40.153 0.7 T__ 57.5 --- ML 1.7 1541023 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.75 135.3 Lg 11:04:50.493 -0.4 T__ --- 1541022 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
KECS 0.92 87.7 Lg 11:04:54.975 -0.4 T__ --- 1541015 FDSN SK -- BUD iLoc EHN ??? _
JOS 0.95 87.0 Pg 11:04:42.714 0.4 T__ --- ML 1.7 1541024 FDSN Z6 -- BUD iLoc HHZ HHZ _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
CP16A 0.96 96.2 Lg 11:04:56.451 -0.4 T__ --- 1541019 FDSN Z6 00 BUD iLoc HHN ??? _
HU02A 1.00 108.9 Pn 11:04:44.158 0.3 T__ --- ML 1.7 1541017 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 1.00 108.9 Lg 11:04:57.955 -1.2 T__ --- 1541016 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/12/12 12:47:40.25 1.20 0.40 48.3962 17.3032 11.2 3.4 114 0.0f 9 8 186 0.03 1.39 sx BUD 19005948 BUD 207

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Magnitude Err Nsta Author OrigID
ML 2.0 0.1 5 BUD 19005948

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
MODS 0.03 217.2 Pg 12:47:41.923 0.5 T__ --- 1541128 FDSN SK -- BUD iLoc HHZ ??? _
MODS 0.03 217.2 Lg 12:47:42.775 -0.1 T__ --- 1541129 FDSN SK -- BUD iLoc HHN ??? _
ZST 0.24 213.9 Pg 12:47:45.202 -0.4 T__ --- 1541130 FDSN SK -- BUD iLoc HHZ ??? _
JAVC 0.52 27.6 Pg 12:47:51.078 -0.2 T__ 565.2 --- ML 2.5 1541131 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=0
KRUC 0.90 318.3 Pg 12:47:57.168 -0.3 T__ 92.6 --- ML 2.0 1541132 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
RONA 0.97 224.5 Pg 12:47:59.744 0.2 T__ --- 1541133 FDSN OE -- BUD iLoc HHZ ??? _
VRAC 1.03 333.1 Pg 12:48:00.212 0.5 T__ 24.7 --- ML 1.5 1541134 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=0
CONA 1.07 244.6 Pg 12:48:01.022 -0.4 T__ 96.2 --- ML 2.1 1541135 FDSN OE -- BUD iLoc HHZ HHZ _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
MORC 1.39 6.4 Pg 12:48:06.217 0.1 T__ 54.3 --- ML 2.0 1541136 FDSN CZ -- BUD iLoc HHZ HHZ _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/12/13 09:05:18.61 2.06 0.95 45.5207 18.2417 16.9 9.0 113 15.0f 7 5 202 0.50 1.08 ke BUD 19005950 BUD 301

```

```

Magnitude Err Nsta Author OrigID
ML 1.7 0.2 3 BUD 19005950

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
A273A 0.50 323.1 Pg 09:05:29.098 0.4 T__ 343.3 --- ML 2.2 1541658 FDSN Z6 00 BUD iLoc HHZ HHZ _
A273A 0.50 323.1 Lg 09:05:35.091 -0.3 T__ --- 1541659 FDSN Z6 00 BUD iLoc HHN ??? _

```

```

(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
KOVH 0.58 350.1 Pg 09:05:30.302 0.0 T__ 59.7 ___ ML 1.6 1541660 FDSN HU -- BUD iLoc HHZ HHZ _
KOVH 0.58 350.1 Lg 09:05:37.163 -1.1 T__ ___ 1541661 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
MORH 0.75 21.9 Pn 09:05:34.208 1.0 T__ 64.9 ___ ML 1.7 1541662 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
A266A 1.01 0.9 Sn 09:05:51.349 0.4 T__ ___ 1541664 FDSN Z6 00 BUD iLoc HHN ??? _
BLY 1.08 224.5 Lg 09:05:51.551 -1.1 T__ ___ 1541663 FDSN MN -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/12/13 09:45:07.43 0.93 0.83 46.9086 17.2962 4.7 4.2 20 0.0f 13 10 116 0.11 0.99 sx BUD 19005952 BUD 318
2023/12/13 09:45:06.79 0.91 0.85 46.8548 17.2699f 0.0f 13 10 147 0.13 0.96 kx BUD_GT 19005953 BUD_GT 192
(locality: Várköly Hungary)
(GT info : GT2 explosion)

```

```

Magnitude Err Nsta Author OrigID
ML 1.9 0.2 3 BUD_GT 19005953

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
A261A 0.13 319.5 Pg 09:45:10.688 0.7 T__ 5638.5 ___ ML 2.4 1541694 FDSN Z6 00 BUD iLoc HHZ HHZ _
A261A 0.13 319.5 Lg 09:45:12.168 -0.5 T__ ___ 1541695 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=1
BADH 0.15 109.5 Lg 09:45:14.916 1.6 T__ ___ 1541696 FDSN HU -- BUD iLoc HHN ??? _
A263A 0.22 171.8 Lg 09:45:16.702 1.3 T__ ___ 1541697 FDSN Z6 00 BUD iLoc HHN ??? _
MPLH 0.37 30.2 Pg 09:45:13.647 -1.0 T__ 368.5 ___ ML 1.9 1541693 FDSN HU -- BUD iLoc HHZ HHZ _
MPLH 0.37 30.2 Lg 09:45:20.014 -0.8 T__ ___ 1541698 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
TIH 0.43 83.7 Lg 09:45:22.911 0.2 T__ ___ 1541699 FDSN HU -- BUD iLoc HHN ??? _
EGYH 0.56 4.3 Lg 09:45:26.596 -0.8 T__ ___ 1541700 FDSN HU -- BUD iLoc HHN ??? _
HU08A 0.73 37.5 Lg 09:45:32.420 -1.1 T__ ___ 1541701 FDSN Z6 00 BUD iLoc HHN ??? _
A266A 0.76 115.3 Sn 09:45:36.184 -0.2 T__ ___ 1541702 FDSN Z6 00 BUD iLoc HHN ??? _
A267A 0.84 83.3 Lg 09:45:36.696 -0.4 T__ ___ 1541703 FDSN Z6 00 BUD iLoc HHN ??? _
KOVH 0.96 142.9 Pg 09:45:26.550 0.4 T__ 52.5 ___ ML 1.8 1541705 FDSN HU -- BUD iLoc HHZ HHZ _
KOVH 0.96 142.9 Sn 09:45:41.198 0.1 T__ ___ 1541704 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/12/13 10:29:25.97 1.83 0.57 48.2681 19.8977 13.8 4.6 123 0.0f 8 5 240 0.35 0.48 sx BUD 19005954 BUD 312

```

```

Magnitude Err Nsta Author OrigID
ML 1.4 0.1 3 BUD 19005954

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
PSZ 0.35 180.4 Pg 10:29:33.857 0.1 T__ 115.1 ___ ML 1.3 1541733 FDSN GE -- BUD iLoc HHZ HHZ _

```

```

PSZ 0.35 180.4 Lg 10:29:39.648 -0.1 T__ --- 1541734 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
CP16A 0.44 80.0 Lg 10:29:42.185 0.6 T__ --- 1541736 FDSN Z6 00 BUD iLoc HHN ??? _
HU02A 0.44 108.9 Pg 10:29:35.131 -0.3 T__ 73.7 --- ML 1.4 1541732 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.44 108.9 Lg 10:29:42.711 -0.1 T__ --- 1541731 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
KECS 0.45 61.0 Lg 10:29:42.909 0.9 T__ --- 1541735 FDSN SK -- BUD iLoc EHN ??? _
JOS 0.48 61.7 Pg 10:29:35.397 -0.3 T__ 124.6 --- ML 1.7 1541729 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.48 61.7 Lg 10:29:42.849 -0.4 T__ --- 1541730 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/12/13 11:08:23.90 1.15 0.67 48.5731 20.7630 6.1 4.0 5 0.0f 12 7 150 0.17 0.90 sx BUD 19005956 BUD 246

```

```

Magnitude Err Nsta Author OrigID
ML 1.3 0.0 5 BUD 19005956

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
JOS 0.17 242.6 Pg 11:08:27.210 -0.3 T__ 305.4 --- ML 1.3 1541766 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.17 242.6 Lg 11:08:30.926 0.6 T__ --- 1541771 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
KECS 0.21 244.1 Pg 11:08:27.817 -0.4 T__ 613.6 --- ML 1.7 1541767 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.21 244.1 Lg 11:08:31.852 0.3 T__ --- 1541772 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=0
CP16A 0.27 212.8 Pg 11:08:30.218 0.6 T__ 167.1 --- ML 1.3 1541768 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP16A 0.27 212.8 Lg 11:08:34.849 0.9 T__ --- 1541769 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
ABAH 0.42 130.9 Pg 11:08:32.613 0.1 T__ 57.2 --- ML 1.2 1541770 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.42 130.9 Lg 11:08:39.490 -0.4 T__ --- 1541773 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=0
HU02A 0.48 199.5 Pg 11:08:33.231 -0.8 T__ 41.7 --- ML 1.2 1541775 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.48 199.5 Lg 11:08:41.067 -0.7 T__ --- 1541774 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
PSZ 0.88 221.9 Lg 11:08:54.863 -0.6 T__ --- 1541777 FDSN GE -- BUD iLoc HHN ??? _
NIE 0.90 340.3 Lg 11:08:54.202 0.5 T__ --- 1541776 FDSN PL -- BUD iLoc BHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/12/13 11:31:34.82 1.39 0.82 48.8122 21.1863 8.0 7.1 133 0.0f 11 8 123 0.52 1.24 sx BUD 19005958 BUD 219

```

```

Magnitude Err Nsta Author OrigID
ML 1.6 0.0 3 BUD 19005958

```

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.52	176.1	Lg	11:31:54.518	0.5					T__						1541817	FDSN	HU	--	BUD	iLoc	HHN	???	_	
JOS	0.53	233.8	Pg	11:31:45.605	0.1					T__		58.0		---	ML	1.5	1541808	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.53	233.8	Lg	11:31:53.206	-0.3					T__				---		1541809	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
KECS	0.57	234.9	Pg	11:31:46.282	0.1					T__		103.2		---	ML	1.8	1541810	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.57	234.9	Lg	11:31:54.586	-0.2					T__				---		1541818	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
CP16A	0.64	222.6	Lg	11:31:58.296	1.2					T__				---		1541816	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
KOLS	0.73	80.0	Lg	11:32:01.152	0.6					T__				---		1541815	FDSN	SK	--	BUD	iLoc	HHN	???	_	
HU02A	0.82	212.8	Pg	11:31:50.325	-1.4					T__		40.7		---	ML	1.6	1541812	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.82	212.8	Lg	11:32:05.283	1.0					T__				---		1541811	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
NIE	0.84	316.5	Lg	11:32:02.719	0.0					T__				---		1541814	FDSN	PL	--	BUD	iLoc	BHN	???	_	
PSZ	1.24	224.4	Sn	11:32:18.188	0.7					T__				---		1541813	FDSN	GE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/13	14:30:26.23	1.04	0.72	48.4275	17.1089	5.5	4.7	85	0.0f		6	4	142	0.12	0.79	sx	BUD	19005960	BUD			219

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.12	115.6	Pg	14:30:29.595	0.2					T__				---		1541839	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
ZST	0.23	181.1	Pg	14:30:31.560	0.2					T__				---		1541843	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
JAVC	0.57	40.6	Pg	14:30:38.580	0.4					T__		52.8		---	ML	1.5	1541840	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
JAVC	0.57	40.6	Lg	14:30:46.437	-0.8					T__				---		1541844	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
KRUC	0.79	323.6	Pg	14:30:41.859	0.4					T__		42.0		---	ML	1.6	1541841	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	0.79	323.6	Lg	14:30:52.505	-0.7					T__				---		1541842	FDSN	CZ	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/13	14:32:20.70	1.14	0.85	48.4249	17.1407	5.9	5.0	84	0.0f		5	4	136	0.10	0.81	sx	BUD	19005962	BUD			212

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.10	119.3	Pg	14:32:23.725	0.3					T__				---		1541862	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.10	119.3	Lg	14:32:24.917	-1.0					T__				---		1541863	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ZST	0.23	186.4	Pg	14:32:26.173	0.3					T__				---		1541864	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
JAVC	0.56	38.8	Pg	14:32:32.859	0.5					T__		72.6		---	ML	1.7	1541865	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
KRUC	0.81	322.5	Pg	14:32:36.031	-0.2					T__		42.8		---	ML	1.6	1541866	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1)																									



(Station ML: 1.6 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/13	14:33:06.75	1.14	0.68	48.4263	17.1458	5.9	4.9	84	0.0f		5	4	135	0.10	0.81	sx	BUD	19005964	BUD			211

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.10	121.0	Pg	14:33:09.746	0.3					T__						1541884	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.10	121.0	Lg	14:33:11.045	-0.8					T__						1541885	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ZST	0.23	187.2	Pg	14:33:12.152	0.2					T__						1541886	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
JAVC	0.56	38.6	Pg	14:33:18.646	0.3					T__		59.5		---	ML	1.6	1541887	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1																									
(Station ML: 1.6 magdef=1																									
KRUC	0.81	322.3	Pg	14:33:22.244	-0.0					T__		36.9		---	ML	1.5	1541888	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.5 magdef=1																									
(Station ML: 1.5 magdef=1																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/13	14:33:55.42	1.14	0.87	48.4292	17.1450	6.0	4.9	83	0.0f		5	4	135	0.10	0.80	sx	BUD	19005966	BUD			211

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.10	122.2	Pg	14:33:58.437	0.3					T__						1541906	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.10	122.2	Lg	14:33:59.598	-1.0					T__						1541907	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ZST	0.23	187.0	Pg	14:34:00.992	0.4					T__						1541908	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
JAVC	0.55	38.8	Pg	14:34:07.476	0.5					T__		55.0		---	ML	1.5	1541909	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.5 magdef=1																									
(Station ML: 1.5 magdef=1																									
KRUC	0.80	322.2	Pg	14:34:10.712	-0.2					T__		49.7		---	ML	1.6	1541910	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1																									
(Station ML: 1.6 magdef=1																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/14	09:45:31.95	0.97	0.88	47.1268	18.0702	6.5	4.2	48	0.0f		9	6	98	0.27	1.04	sx	BUD	19005970	BUD			163

Magnitude Err Nsta Author OrigID  
ML 1.8 0.1 3 BUD 19005970

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.27	28.7	Lg	09:45:42.867	-0.2					T__						1545774	FDSN	HU	--	BUD	iLoc	HHN	???	_	
HU08A	0.32	341.9	Lg	09:45:43.749	-0.9					T__						1545775	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
A267A	0.33	122.5	Lg	09:45:46.011	1.0					T__						1545778	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
MPLH	0.36	277.0	Pg	09:45:40.294	0.5					T__		86.0		---	ML	1.2	1545776	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.36	277.0	Lg	09:45:45.681	-0.2					T__						1545777	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1																									
(Station ML: 1.2 magdef=1																									
MORH	0.99	156.4	Pg	09:45:51.552	-0.2					T__		53.3		---	ML	1.8	1545779	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_

MORH 0.99 156.4 Lg 09:46:05.280 -1.1 T\_\_ --- 1545773 FDSN HU -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.8 magdef=1  
 (Station ML: 1.8 magdef=1  
 KOVH 1.04 178.9 Pn 09:45:52.595 0.0 T\_\_ 55.3 --- ML 1.8 1545780 FDSN HU -- BUD iLoc HHZ HHZ \_  
 KOVH 1.04 178.9 Lg 09:46:06.983 -1.2 T\_\_ --- 1545772 FDSN HU -- BUD iLoc HHN ??? \_  
 (Reading ML: 1.8 magdef=1  
 (Station ML: 1.8 magdef=1

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/14	10:12:52.06	1.04	0.89	48.2569	21.2186	9.1	4.3	0	0.0f	11	7	151	0.04	0.95	sx	BUD	19005972	BUD				229
2023/12/14	10:12:51.67	0.93	0.86	48.2470	21.2460f				0.0f	11	7	153	0.05	0.96	kx	BUD_GT	19005973	BUD_GT				255

(locality: Táillya Hungary)  
 (GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.1	5 BUD_GT	19005973

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.05	355.1	Pg	10:12:53.612	0.4					T__		8978.5		---	ML	2.4	1545809	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.05	355.1	Lg	10:12:54.528	-0.3					T__				---		1545810	FDSN	HU	--	BUD	iLoc	HHN	???	_	
CP16A	0.48	281.7	Lg	10:13:09.794	1.0					T__				---		1545811	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.50	255.8	Pg	10:13:02.299	0.1					T__		63.8		---	ML	1.5	1545816	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
JOS	0.53	298.1	Pg	10:13:02.959	0.6					T__		56.0		---	ML	1.5	1545812	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.53	298.1	Lg	10:13:09.304	-1.3					T__				---		1545813	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
KECS	0.56	295.3	Pg	10:13:03.342	0.4					T__		116.7		---	ML	1.9	1545814	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.56	295.3	Lg	10:13:09.645	-1.9					T__				---		1545815	FDSN	SK	--	BUD	iLoc	EHN	???	_	
TRPA	0.87	97.2	Pn	10:13:09.815	-0.2					T__		94.9		---	ML	2.0	1545817	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.87	97.2	Lg	10:13:23.527	0.4					T__				---		1545818	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	0.96	250.6	Lg	10:13:25.741	-0.7					T__				---		1545819	FDSN	GE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/14	10:31:55.29	1.23	1.23	48.6986	20.7654	6.3	5.7	170	0.0f	9	6	164	0.25	0.78	sx	BUD	19005974	BUD				280

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.1	3 BUD	19005974

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.25	216.6	Pg	10:32:01.208	0.7					T__		357.6		---	ML	1.6	1545848	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.25	216.6	Lg	10:32:03.667	-0.8					T__				---		1545851	FDSN	Z6	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.6 magdef=1

```

(Station ML: 1.6 magdef=1
KECS 0.28 220.9 Pg 10:32:01.708 0.6 T__ 853.0 --- ML 2.0 1545849 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.28 220.9 Lg 10:32:05.679 0.0 T__ --- 1545852 FDSN SK -- BUD iLoc EHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
CP16A 0.39 202.9 Lg 10:32:08.702 -0.4 T__ --- 1545853 FDSN Z6 00 BUD iLoc HHN ??? _
ABAH 0.51 141.8 Pg 10:32:06.302 0.7 T__ 60.7 --- ML 1.5 1545850 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.51 141.8 Lg 10:32:13.466 -0.9 T__ --- 1545854 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
HU02A 0.60 195.6 Lg 10:32:15.027 -2.2 T__ --- 1545855 FDSN Z6 00 BUD iLoc HHN ??? _
NIE 0.78 337.1 Lg 10:32:20.131 -1.1 T__ --- 1545856 FDSN PL -- BUD iLoc BHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/12/14 12:51:19.70 1.31 1.36 48.0900 16.2435 9.2 5.6 162 0.0f 5 3 189 0.30 0.75 sx BUD 19005978 BUD 296

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CONA 0.30 237.9 Pg 12:51:26.508 0.6 T__ 100.6 --- ML 1.1 1545901 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.30 237.9 Lg 12:51:29.063 -1.1 T__ --- 1545902 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=0
RONA 0.39 174.8 Pg 12:51:28.466 0.8 T__ --- 1545904 FDSN OE -- BUD iLoc HHZ ??? _
RONA 0.39 174.8 Lg 12:51:32.129 -1.0 T__ --- 1545903 FDSN OE -- BUD iLoc HHN ??? _
MODS 0.75 67.3 Lg 12:51:45.947 -0.8 T__ --- 1545905 FDSN SK -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/12/14 18:02:01.16 1.05 2.56 48.7885 22.1813 11.7 5.6 113 10.0f 7 5 137 0.16 1.29 ke BUD 19005980 BUD 264

```

Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
KOLS 0.16 22.7 Pg 18:02:05.067 0.3 T__ --- 1545923 FDSN SK -- BUD iLoc HHZ ??? _
KOLS 0.16 22.7 Lg 18:02:07.090 -0.8 T__ --- 1545925 FDSN SK -- BUD iLoc HHN ??? _
TRPA 0.70 160.0 Pg 18:02:14.776 0.0 T__ 56.5 --- ML 1.6 1545926 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=0
ABAH 0.80 232.1 Pg 18:02:16.032 -0.7 T__ 66.1 --- ML 1.8 1545924 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.80 232.1 Lg 18:02:31.256 2.8 T__ --- 1545927 FDSN HU -- BUD iLoc HHE ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=0
JOS 1.13 255.6 Sn 18:02:40.954 2.5 T__ --- 1545928 FDSN Z6 -- BUD iLoc HHN ??? _
HU02A 1.29 239.5 Sn 18:02:45.952 3.3 T__ --- 1545929 FDSN Z6 00 BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/12/15 00:46:01.17 1.32 2.02 47.8911 16.2633 13.3 4.9 30 11.0f 6 5 131 0.19 1.18 ke BUD 19005982 BUD 218

```

Magnitude Err Nsta Author OrigID

ML 1.5 0.6 4 BUD 19005982

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
RONA	0.19	173.3	Pg	00:46:05.573	-0.1					T__						1545952	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
CONA	0.27	278.0	Pg	00:46:07.255	0.1					T__		88.7			ML	1.0	1545950	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.27	278.0	Lg	00:46:11.673	0.5					T__						1545951	FDSN	OE	--	BUD	iLoc	HHE	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
SOP	0.29	136.1	Pg	00:46:07.670	0.3					T__		107.1			ML	1.1	1545953	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
ARSA	0.81	218.3	Pg	00:46:16.968	-0.1					T__		85.1			ML	1.9	1545954	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=1)																									
KRUC	1.18	4.2	Pn	00:46:19.476	-3.5					T__		71.4			ML	2.0	1545955	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2023/12/15	08:10:42.95	2.14	1.44	47.9376	20.3911	23.4	4.2	149	0.0f		6	4	209	0.21	0.67	sx	BUD	19005984	BUD			312		
2023/12/15	08:10:43.24	1.01	1.20	47.9590	20.3545f				0.0f		6	4	202	0.20	0.68	kx	BUD_GT	19005985	BUD_GT			312		
(locality: Eger-III Hungary)																								
(GT info : GT2 explosion)																								

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.3	3 BUD_GT	19005985

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU02A	0.20	35.0	Pg	08:10:48.188	0.3					T__		256.6			ML	1.3	1545997	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.20	35.0	Lg	08:10:50.719	-1.0					T__						1545999	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
PSZ	0.31	262.7	Pg	08:10:51.191	0.8					T__		77.2			ML	1.1	1546000	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.31	262.7	Lg	08:10:54.701	-1.1					T__						1546001	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
JOS	0.55	12.9	Pg	08:10:55.283	0.9					T__		61.4			ML	1.6	1545998	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
ABAH	0.68	60.0	Lg	08:11:06.590	-1.8					T__						1546002	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/15	08:13:05.49	1.25	0.98	47.3046	18.3140	10.5	5.3	76	0.0f		6	5	160	0.07	1.23	sx	BUD	19005986	BUD			199

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.07	328.2	Pg	08:13:08.000	0.4					T__		2532.2			ML	1.9	1546023	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.07	328.2	Lg	08:13:08.245	-1.4					T__						1546024	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.9 magdef=1)																									

(Station ML: 1.9 magdef=0

HU08A	0.29	295.7	Lg	08:13:17.235	-0.0	T__	---	1546025	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU09A	0.34	7.9	Lg	08:13:18.640	-0.2	T__	---	1546026	FDSN	Z6	00	BUD	iLoc	HHN	???	_
MORH	1.11	168.1	Lg	08:13:43.158	-0.6	T__	---	1546027	FDSN	HU	--	BUD	iLoc	HHN	???	_
KOVH	1.23	187.0	Sn	08:13:47.331	0.5	T__	---	1546028	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/15	08:18:31.28	2.64	1.03	47.3879	18.3839	19.8	6.5	126	0.0f	5	4	171	0.09	1.19	sx	BUD	19005988	BUD				253

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.09	253.6	Pg	08:18:33.965	0.3					T__		1019.7		---	ML	1.6	1546043	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.09	253.6	Lg	08:18:35.062	-1.0					T__				---		1546044	FDSN	HU	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.6 magdef=1

(Station ML: 1.6 magdef=0

HU09A	0.25	359.8	Lg	08:18:41.156	-0.4					T__				---		1546045	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU08A	0.32	278.1	Lg	08:18:44.137	0.4					T__				---		1546046	FDSN	Z6	00	BUD	iLoc	HHN	???	_
MORH	1.19	171.3	Sn	08:19:10.884	-0.8					T__				---		1546047	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/15	09:38:59.55	2.94	1.28	48.6398	20.8260	18.3	8.0	7	0.0f	7	6	265	0.24	0.95	sx	BUD	19005990	BUD				325

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.24	233.0	Pg	09:39:04.827	0.3					T__		92.7		---	ML	0.9	1546064	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.24	233.0	Lg	09:39:06.621	-1.7					T__				---		1546065	FDSN	Z6	--	BUD	iLoc	HHN	???	_	

(Reading ML: 0.9 magdef=1

(Station ML: 0.9 magdef=0

KECS	0.28	235.4	Lg	09:39:09.602	0.0					T__				---		1546066	FDSN	SK	--	BUD	iLoc	EHN	???	_
CP16A	0.35	212.7	Lg	09:39:13.647	1.4					T__				---		1546067	FDSN	Z6	00	BUD	iLoc	HHN	???	_
ABAH	0.44	141.2	Lg	09:39:15.436	-0.7					T__				---		1546069	FDSN	HU	--	BUD	iLoc	HHN	???	_
HU02A	0.56	201.3	Lg	09:39:19.481	-0.6					T__				---		1546068	FDSN	Z6	00	BUD	iLoc	HHN	???	_
PSZ	0.95	221.1	Lg	09:39:33.002	-0.8					T__				---		1546070	FDSN	GE	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/15	10:26:24.43	1.01	2.02	48.7038	21.5133	10.1	3.9	149	0.0f	11	6	172	0.45	0.88	sx	BUD	19005992	BUD				311

Magnitude Err Nsta Author OrigID  
ML 1.8 0.2 4 BUD 19005992

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.45	204.1	Pg	10:26:34.099	0.6					T__		82.8		---	ML	1.5	1546101	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.45	204.1	Lg	10:26:41.083	-0.1					T__				---		1546100	FDSN	HU	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.5 magdef=1

(Station ML: 1.5 magdef=1

KOLS	0.55	65.1	Pg	10:26:36.573	1.4					T__				---		1546099	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	0.55	65.1	Lg	10:26:38.830	-5.4					T__				---		1546098	FDSN	SK	--	BUD	iLoc	HHN	???	_

```

JOS 0.68 252.5 Pg 10:26:38.069 0.1 T__ 122.1 ___ ML 2.0 1546094 FDSN Z6 -- BUD iLoc HHZ HHZ _
JOS 0.68 252.5 Lg 10:26:48.220 0.1 T__ ___ 1546102 FDSN Z6 -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
KECS 0.72 252.5 Lg 10:26:49.396 -0.1 T__ ___ 1546095 FDSN SK -- BUD iLoc EHN ??? _
CP16A 0.74 241.1 Pg 10:26:39.602 0.3 T__ 100.9 ___ ML 1.9 1546096 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP16A 0.74 241.1 Lg 10:26:50.562 0.2 T__ ___ 1546103 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
HU02A 0.88 228.9 Pg 10:26:41.987 -0.5 T__ 56.9 ___ ML 1.7 1546097 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.88 228.9 Lg 10:26:55.289 -0.7 T__ ___ 1546104 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1

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```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/12/15 13:23:44.92 1.01 0.60 46.0663 21.5892 12.8 7.5 82 15.0f 23 21 48 0.45 3.00 ke BUD 19005994 BUD 76

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Magnitude Err Nsta Author OrigID
ML 3.3 0.1 21 BUD 19005994

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
BZS 0.45 177.5 Pg 13:23:53.418 -0.6 T__ 3800.8 ___ ML 3.1 1546413 FDSN RO -- BUD iLoc BHZ BHZ _
BZS 0.45 177.5 Lg 13:24:00.792 0.3 T__ ___ 1546410 FDSN RO -- BUD iLoc BHN ??? _
(Reading ML: 3.1 magdef=1
(Station ML: 3.1 magdef=1
BANR 0.75 205.1 Pg 13:23:59.864 0.3 T__ 19724.1 ___ ML 4.2 1546411 FDSN RO -- BUD iLoc BHZ BHZ _
BANR 0.75 205.1 Sn 13:24:11.683 0.2 T__ ___ 1546412 FDSN RO -- BUD iLoc BHE ??? _
(Reading ML: 4.2 magdef=1
(Station ML: 4.2 magdef=0
HU24A 0.89 340.7 Pn 13:24:01.096 -0.6 T__ 2790.5 ___ ML 3.4 1546414 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 3.4 magdef=1
(Station ML: 3.4 magdef=1
DEV 0.93 100.8 Pn 13:24:02.593 0.0 T__ 1187.8 ___ ML 3.1 1546415 FDSN RO -- BUD iLoc BHZ BHZ _
(Reading ML: 3.1 magdef=1
(Station ML: 3.1 magdef=0
DRGR 1.06 46.5 Pn 13:24:04.510 0.1 T__ 2523.6 ___ ML 3.5 1546416 FDSN RO -- BUD iLoc BHZ BHZ _
(Reading ML: 3.5 magdef=1
(Station ML: 3.5 magdef=1
GZR 1.07 128.6 Pn 13:24:05.321 0.6 T__ 4614.7 ___ ML 3.8 1546417 FDSN RO -- BUD iLoc BHZ BHZ _
(Reading ML: 3.8 magdef=1
(Station ML: 3.8 magdef=0
HU12A 1.23 335.1 Pn 13:24:06.641 0.3 T__ 1292.3 ___ ML 3.3 1546418 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 3.3 magdef=1
(Station ML: 3.3 magdef=1
LTVH 1.34 9.1 Pn 13:24:08.636 0.8 T__ 1374.9 ___ ML 3.4 1546419 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 3.4 magdef=1
(Station ML: 3.4 magdef=1
CJR 1.53 64.3 Pn 13:24:12.131 1.0 T__ 2626.8 ___ ML 3.8 1546421 FDSN RO -- BUD iLoc BHZ BHZ _
(Reading ML: 3.8 magdef=1
(Station ML: 3.8 magdef=0
FRGS 1.54 234.6 Pn 13:24:11.128 0.4 T__ 1936.9 ___ ML 3.6 1546420 FDSN SJ -- BUD iLoc BHZ BHZ _
(Reading ML: 3.6 magdef=1

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(Station ML: 3.6 magdef=0
LOT 1.65 111.3 Pn 13:24:14.614 1.5 T__ 750.9 ___ ML 3.3 1546422 FDSN RO -- BUD iLoc BHZ BHZ _
(Reading ML: 3.3 magdef=1
(Station ML: 3.3 magdef=1
HU11A 1.88 351.3 Pn 13:24:15.809 0.4 T__ 1001.3 ___ ML 3.5 1546423 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 3.5 magdef=1
(Station ML: 3.5 magdef=1
MORH 2.05 275.2 Pn 13:24:17.213 -0.5 T__ 224.2 ___ ML 3.0 1546424 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 3.0 magdef=1
(Station ML: 3.0 magdef=0
HU02A 2.18 340.9 Pn 13:24:19.132 -0.7 T__ 202.4 ___ ML 3.0 1546425 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 3.0 magdef=1
(Station ML: 3.0 magdef=0
PSZ 2.19 328.6 Pn 13:24:19.195 -0.7 T__ 316.7 ___ ML 3.2 1546426 FDSN GE -- BUD iLoc HHZ HHZ _
(Reading ML: 3.2 magdef=1
(Station ML: 3.2 magdef=1
ABAH 2.24 354.0 Pn 13:24:20.168 -0.3 T__ 285.1 ___ ML 3.2 1546427 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 3.2 magdef=1
(Station ML: 3.2 magdef=1
HU03A 2.29 324.2 Pn 13:24:21.053 -0.0 T__ 475.3 ___ ML 3.4 1546428 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 3.4 magdef=1
(Station ML: 3.4 magdef=1
CP16A 2.39 342.9 Pn 13:24:22.848 0.4 T__ 328.0 ___ ML 3.3 1546429 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 3.3 magdef=1
(Station ML: 3.3 magdef=1
JOS 2.53 344.0 Pn 13:24:24.734 0.2 T__ 119.4 ___ ML 3.0 1546430 FDSN Z6 -- BUD iLoc HHZ HHZ _
(Reading ML: 3.0 magdef=1
(Station ML: 3.0 magdef=0
HU09A 2.70 306.7 Pn 13:24:27.125 0.2 T__ 270.3 ___ ML 3.4 1546431 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 3.4 magdef=1
(Station ML: 3.4 magdef=1
MPLH 3.00 293.0 Pn 13:24:31.088 0.0 T__ 128.0 ___ ML 3.3 1546432 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 3.3 magdef=1
(Station ML: 3.3 magdef=1

```

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/12/15 21:08:25.53 0.99 0.71 47.8964 16.2758 6.2 4.0 20 11.0f 8 6 87 0.20 1.17 ke BUD 19005996 BUD 145

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
RONA 0.20 176.0 Pg 21:08:29.999 -0.1 T__ 1546519 FDSN OE -- BUD iLoc HHZ ??? _
CONA 0.28 276.7 Pg 21:08:31.655 0.0 T__ 70.8 ___ ML 0.9 1546521 FDSN OE -- BUD iLoc HHZ HHZ _
CONA 0.28 276.7 Lg 21:08:35.855 0.1 T__ 1546518 FDSN OE -- BUD iLoc HHN ??? _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=1
SOP 0.29 138.1 Pg 21:08:32.044 0.4 T__ 85.3 ___ ML 1.0 1546520 FDSN HU -- BUD iLoc HHZ HHZ _
SOP 0.29 138.1 Lg 21:08:35.546 -0.3 T__ 1546522 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=1
ARSA 0.82 218.5 Lg 21:08:52.125 0.1 T__ 1546523 FDSN OE -- BUD iLoc HHN ??? _
MODS 0.82 54.2 Lg 21:08:54.049 -0.4 T__ 1546524 FDSN SK -- BUD iLoc HHN ??? _

```

KRUC 1.17 3.9 Sn 21:09:04.615 1.4 T\_\_ --- 1546525 FDSN CZ -- BUD iLoc HHN ??? \_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/12/15 21:27:32.33 1.41 0.76 46.4364 20.2872 13.7 3.8 145 12.8 9.9 12 7 220 0.14 1.16 ke BUD 19005998 BUD 229

Magnitude Err Nsta Author OrigID  
 ML 1.6 0.0 5 BUD 19005998

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
HU14A	0.14	274.5	Pg	21:27:36.693	0.4					T__		404.8		---	ML	1.3 1546558	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU14A	0.14	274.5	Lg	21:27:38.588	-0.8					T__				---		1546559	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.3 magdef=1 Station ML: 1.3 magdef=0)																								
HU06A	0.34	34.9	Pg	21:27:39.563	-0.3					T__		229.4		_c_	ML	1.6 1546560	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU06A	0.34	34.9	Lg	21:27:45.318	0.2					T__				---		1546562	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1 Station ML: 1.6 magdef=1)																								
HU21A	0.40	255.2	Pg	21:27:40.805	0.1					T__		152.1		---	ML	1.6 1546556	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU21A	0.40	255.2	Lg	21:27:47.400	-0.0					T__				---		1546557	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 1.6 magdef=1 Station ML: 1.6 magdef=1)																								
HU13A	0.58	342.6	Lg	21:27:53.033	-0.1					T__				---		1546563	FDSN	Z6	00	BUD	iLoc	HHN	???	_
HU22A	0.81	262.7	Pg	21:27:48.231	-0.1					T__		139.8		---	ML	2.1 1546555	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU22A	0.81	262.7	Lg	21:28:00.274	-0.6					T__				---		1546561	FDSN	Z6	00	BUD	iLoc	HHN	???	_
(Reading ML: 2.1 magdef=1 Station ML: 2.1 magdef=0)																								
HU12A	0.83	26.2	Lg	21:28:01.646	0.5					T__				---		1546564	FDSN	Z6	00	BUD	iLoc	HHN	???	_
MORH	1.16	259.6	Pn	21:27:52.792	0.2					T__		61.9		---	ML	1.9 1546553	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	1.16	259.6	Sn	21:28:10.161	1.7					T__				---		1546554	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=1)																								

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp  
 2023/12/15 21:48:50.08 1.09 0.11 47.8285 16.2521 11.3 3.8 34 11.0f 6 3 194 0.13 0.28 ke BUD 19006000 BUD 318

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
RONA	0.13	167.0	Pg	21:48:53.655	0.0					T__				---		1546590	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.13	167.0	Lg	21:48:56.103	-0.0					T__				---		1546591	FDSN	OE	--	BUD	iLoc	HHN	???	_
SOP	0.25	125.0	Pg	21:48:55.624	0.0					T__		80.0		---	ML	0.9 1546592	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.25	125.0	Lg	21:48:59.355	-0.0					T__				---		1546593	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Reading ML: 0.9 magdef=1 Station ML: 0.9 magdef=1)																								
CONA	0.28	290.9	Pg	21:48:56.273	0.1					T__		62.5		---	ML	0.9 1546589	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.28	290.9	Lg	21:49:00.207	-0.2					T__				---		1546594	FDSN	OE	--	BUD	iLoc	HHN	???	_
(Reading ML: 0.9 magdef=1 Station ML: 0.9 magdef=1)																								



Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/16	10:46:21.18	3.27	0.74	48.6457	20.8862	22.1	8.3	10	0.0f		5	4	267	0.27	0.42	sx	BUD	19006002	BUD			338

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.27	237.1	Pg	10:46:27.035	0.2				T__		168.9			___	ML	1.3	1546972	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.27	237.1	Lg	10:46:30.750	-0.4				T__					___		1546973	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=0)																									
KECS	0.31	238.7	Lg	10:46:31.793	-0.7				T__					___		1546974	FDSN	SK	--	BUD	iLoc	EHN	???	_	
CP16A	0.38	217.3	Lg	10:46:35.237	0.4				T__					___		1546975	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
ABAH	0.42	146.0	Lg	10:46:36.653	-0.5				T__					___		1546976	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/18	03:53:42.84	2.93	2.20	46.0167	21.6861	20.4	10.3	165	15.0f		7	5	190	0.40	1.57	ke	BUD	19006006	BUD			259

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BZS	0.40	186.9	Pg	03:53:50.429	-0.7				T__		141.5			_c_	ML	1.6	1547610	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.40	186.9	Lg	03:53:56.689	-0.3				T__					___		1547611	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
BANR	0.74	211.5	Pg	03:53:57.482	0.2				T__		1339.6			___	ML	3.0	1547613	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BANR	0.74	211.5	Lg	03:54:08.569	0.8				T__					___		1547612	FDSN	RO	--	BUD	iLoc	HHN	???	_	
(Reading ML: 3.0 magdef=1)																									
(Station ML: 3.0 magdef=1)																									
GZR	0.99	128.8	Lg	03:54:16.309	1.2				T__					___		1547614	FDSN	RO	--	BUD	iLoc	HHN	???	_	
DRGR	1.05	42.1	Sn	03:54:15.670	-1.7				T__					___		1547615	FDSN	RO	--	BUD	iLoc	HHN	???	_	
LOT	1.57	110.5	Sn	03:54:33.938	3.7				T__					___		1547616	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/18	10:19:31.89	1.03	0.56	47.9089	16.0569	8.9	4.0	23	0.0f		5	3	141	0.13	0.94	sx	BUD	19006010	BUD			277

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.13	278.4	Pg	10:19:34.683	-0.1				T__		232.9			___	ML	1.0	1549557	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.13	278.4	Lg	10:19:37.221	0.3				T__					___		1549559	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=0)																									
RONA	0.26	142.3	Pg	10:19:37.714	0.3				T__					___		1549558	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.26	142.3	Lg	10:19:40.617	-0.6				T__					___		1549560	FDSN	OE	--	BUD	iLoc	HHN	???	_	
MODS	0.94	59.9	Lg	10:20:05.403	-0.1				T__					___		1549561	FDSN	SK	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/18	10:36:56.14	2.21	1.11	48.6087	20.7872	16.0	5.1	2	0.0f		7	5	257	0.20	0.52	sx	BUD	19006014	BUD			321

Magnitude Err Nsta Author OrigID  
ML 1.4 0.3 4 BUD 19006014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.20	235.6	Pg	10:37:00.367	0.0					T__		153.8		___	ML	1.0	1549990	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.20	235.6	Lg	10:37:03.809	0.2					T__				---		1549993	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.0 magdef=1 Station ML: 1.0 magdef=1)																									
KECS	0.24	238.0	Pg	10:37:00.892	-0.2					T__		556.0		___	ML	1.7	1549991	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.24	238.0	Lg	10:37:05.174	0.3					T__				---		1549994	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=1)																									
CP16A	0.31	211.8	Pg	10:37:03.389	0.8					T__		126.0		___	ML	1.3	1549992	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.3 magdef=1 Station ML: 1.3 magdef=1)																									
ABAH	0.43	135.9	Pg	10:37:05.160	0.1					T__		86.8		___	ML	1.4	1549995	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.4 magdef=1 Station ML: 1.4 magdef=1)																									
HU02A	0.52	199.9	Lg	10:37:13.316	-2.0					T__				---		1549996	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/18	19:31:29.05	1.08	0.56	46.1071	16.4347	6.3	5.0	139	11.0f		8	6	148	0.36	1.30	ke	BUD	19006016	BUD			157

Magnitude Err Nsta Author OrigID  
ML 1.4 0.4 4 BUD 19006016

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOGS	0.36	339.5	Pg	19:31:36.399	-0.2					T__		77.0		___	ML	1.2	1553287	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.36	339.5	Lg	19:31:41.804	0.2					T__				---		1553288	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.2 magdef=1 Station ML: 1.2 magdef=1)																									
PTJ	0.38	238.6	Pg	19:31:37.048	-0.1					T__		58.1		___	ML	1.1	1553285	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
(Reading ML: 1.1 magdef=1 Station ML: 1.1 magdef=1)																									
A264A	0.60	84.6	Pg	19:31:40.928	-0.0					T__		153.4		___	ML	2.0	1553289	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.0 magdef=1 Station ML: 2.0 magdef=1)																									
CRES	0.74	247.9	Pg	19:31:43.594	0.6					T__		56.9		___	ML	1.7	1553286	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.74	247.9	Lg	19:31:53.417	-0.8					T__				---		1553290	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=1)																									
KOVH	1.16	90.3	Sn	19:32:05.144	-0.6					T__				---		1553291	FDSN	HU	--	BUD	iLoc	HHE	???	_	
ARSA	1.30	331.6	Lg	19:32:10.698	0.3					T__				---		1553292	FDSN	OE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/18	21:34:24.25	1.01	0.14	47.7009	16.1514	8.0	4.6	23	7.0f		5	3	132	0.10	0.62	ke	BUD	19006018	BUD			264

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
-----	------	------	-------	------	------	------	-------	------	------	-----	-----	-----	-----	------	-----------	-------	-----	--------	----	------	-----	-----	-----	---



Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DEV	0.20	163.4	Pg	07:44:13.335	-0.0					T__		733.0		---	ML	1.7	1554771	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
DEV	0.20	163.4	Lg	07:44:16.145	0.0					T__				---		1554772	FDSN	RO	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.7 magdef=1)																					
				(Station ML: 1.7 magdef=0)																					
GZR	0.68	182.7	Lg	07:44:32.380	0.1					T__				---		1554773	FDSN	RO	--	BUD	iLoc	HHN	???	_	
DRGR	0.72	353.9	Lg	07:44:35.920	0.0					T__				---		1554774	FDSN	RO	--	BUD	iLoc	HHN	???	_	
BZS	0.96	242.0	Lg	07:44:41.747	-0.0					T__				---		1554775	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/19	08:26:15.45	1.14	0.97	48.3769	20.7773	6.4	4.6	59	0.0f		8	6	157	0.16	0.75	sx	BUD	19006026	BUD			266

Magnitude	Err	Nsta	Author	OrigID
ML	1.1	0.1	4 BUD	19006026

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CP16A	0.16	257.7	Pg	08:26:20.269	1.3					T__		223.6		---	ML	1.1	1554798	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 1.1 magdef=1)																					
				(Station ML: 1.1 magdef=1)																					
JOS	0.20	307.0	Pg	08:26:19.630	-0.0					T__		190.0		---	ML	1.1	1554796	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.20	307.0	Lg	08:26:22.026	-0.9					T__				---		1554800	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.1 magdef=1)																					
				(Station ML: 1.1 magdef=1)																					
KECS	0.22	298.8	Pg	08:26:20.290	0.2					T__		262.1		---	ML	1.3	1554797	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.22	298.8	Lg	08:26:23.197	-0.6					T__				---		1554801	FDSN	SK	--	BUD	iLoc	EHN	???	_	
				(Reading ML: 1.3 magdef=1)																					
				(Station ML: 1.3 magdef=1)																					
HU02A	0.31	213.6	Pg	08:26:21.398	-0.8					T__		61.9		---	ML	0.9	1554799	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 0.9 magdef=1)																					
				(Station ML: 0.9 magdef=1)																					
ABAH	0.32	104.5	Lg	08:26:28.855	0.9					T__				---		1554802	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	0.75	232.5	Lg	08:26:42.229	-0.5					T__				---		1554803	FDSN	GE	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/19	09:49:36.84	2.60	0.60	48.6435	20.7970	18.3	4.9	0	0.0f		8	4	267	0.23	0.46	sx	BUD	19006028	BUD			337

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.2	4 BUD	19006028

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.23	229.3	Pg	09:49:41.784	0.3					T__		325.6		---	ML	1.4	1554830	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.23	229.3	Lg	09:49:44.744	-0.4					T__				---		1554831	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.4 magdef=1)																					
				(Station ML: 1.4 magdef=1)																					
KECS	0.26	232.3	Pg	09:49:42.295	0.0					T__		790.6		---	ML	1.9	1554832	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.26	232.3	Lg	09:49:46.075	-0.3					T__				---		1554836	FDSN	SK	--	BUD	iLoc	EHN	???	_	
				(Reading ML: 1.9 magdef=1)																					
				(Station ML: 1.9 magdef=1)																					
CP16A	0.35	209.6	Pg	09:49:44.574	0.7					T__		159.2		---	ML	1.5	1554833	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.35	209.6	Lg	09:49:48.917	-0.4					T__				---		1554834	FDSN	Z6	00	BUD	iLoc	HHN	???	_	

```

(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
ABAH 0.46 139.6 Pg 09:49:46.383 0.3 T__ 125.6 ___ ML 1.7 1554835 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.46 139.6 Lg 09:49:53.058 -0.9 T__ ___ 1554837 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/12/19 10:35:08.95 0.94 1.41 47.9365 20.0234 6.4 3.5 168 0.0f 9 8 125 0.09 0.89 sx BUD 19006030 BUD 192

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Magnitude Err Nsta Author OrigID

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
PSZ 0.09 258.3 Pg 10:35:11.276 -0.2 T__ 413.9 ___ ML 1.2 1554863 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.09 258.3 Lg 10:35:13.192 -0.7 T__ ___ 1554866 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
HU03A 0.29 263.6 Lg 10:35:20.957 0.9 T__ ___ 1554871 FDSN Z6 00 BUD iLoc HHN ??? _
HU23A 0.33 152.8 Pg 10:35:16.745 0.3 T__ 840.3 ___ ML 2.2 1554864 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
HU02A 0.38 60.9 Lg 10:35:21.284 -2.5 T__ ___ 1554867 FDSN Z6 00 BUD iLoc HHN ??? _
CP16A 0.53 40.2 Lg 10:35:29.084 1.1 T__ ___ 1554868 FDSN Z6 00 BUD iLoc HHN ??? _
KECS 0.63 29.3 Lg 10:35:32.156 0.9 T__ ___ 1554869 FDSN SK -- BUD iLoc EHN ??? _
JOS 0.66 31.5 Lg 10:35:32.946 0.8 T__ ___ 1554870 FDSN Z6 -- BUD iLoc HHN ??? _
ABAH 0.89 65.7 Lg 10:35:39.699 -1.2 T__ ___ 1554865 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/12/19 10:36:56.37 1.22 0.40 47.8643 16.0524 15.8 5.0 38 0.0f 6 4 161 0.14 1.48 sx BUD 19006032 BUD 285

```

Magnitude Err Nsta Author OrigID  
ML 2.0 0.6 3 BUD 19006032

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
CONA 0.14 296.6 Pg 10:36:59.478 0.0 T__ 248.4 ___ ML 1.1 1554891 FDSN OE -- BUD iLoc HHZ HHZ _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=1
RONA 0.23 135.0 Pg 10:37:01.309 0.0 T__ ___ 1554892 FDSN OE -- BUD iLoc HHZ ??? _
KRUC 1.22 10.7 Pg 10:37:19.801 0.0 T__ 69.5 ___ ML 2.0 1554893 FDSN CZ -- BUD iLoc HHZ HHZ _
KRUC 1.22 10.7 Sn 10:37:36.834 -0.5 T__ ___ 1554894 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
TREC 1.48 345.5 Pn 10:37:23.718 -0.1 T__ 136.0 ___ ML 2.5 1554896 FDSN CZ -- BUD iLoc HHZ HHZ _
TREC 1.48 345.5 Sn 10:37:43.988 0.4 T__ ___ 1554895 FDSN CZ -- BUD iLoc HHN ??? _
(Reading ML: 2.5 magdef=1
(Station ML: 2.5 magdef=1

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/12/19 11:00:35.94 1.05 0.67 48.1732 16.8979 11.7 3.9 140 0.0f 7 4 175 0.14 0.86 sx BUD 19006034 BUD 316

```

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ZST	0.14	80.4	Pg	11:00:39.783	0.5					T__						1554917	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
ZST	0.14	80.4	Lg	11:00:41.465	-0.7					T__						1554920	FDSN	SK	--	BUD	iLoc	HHN	???	_	
MODS	0.32	51.5	Pg	11:00:43.381	0.4					T__						1554918	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.32	51.5	Lg	11:00:47.767	-0.8					T__						1554919	FDSN	SK	--	BUD	iLoc	HHN	???	_	
RONA	0.62	220.7	Pg	11:00:48.601	0.2					T__						1554922	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.62	220.7	Lg	11:00:56.489	-0.3					T__						1554921	FDSN	OE	--	BUD	iLoc	HHN	???	_	
JAVC	0.86	36.5	Pg	11:00:53.822	0.3					T__		171.3		---	ML	2.2	1554923	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=0)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/20	07:30:57.92	1.18	0.35	47.9238	16.0348	11.2	4.2	27	0.0f		5	3	130	0.12	1.16	sx	BUD	19006036	BUD			260

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.12	272.2	Pg	07:31:00.607	0.1					T__		155.1		---	ML	0.8	1555404	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.12	272.2	Lg	07:31:02.077	-0.3					T__				---		1555405	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=1)																									
RONA	0.29	141.7	Pg	07:31:03.715	-0.1					T__				---		1555407	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.29	141.7	Lg	07:31:08.293	0.3					T__				---		1555406	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.16	11.8	Pg	07:31:20.255	0.0					T__		85.2		---	ML	2.1	1555408	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/20	08:51:23.42	2.71	0.91	48.6731	20.7919	17.8	5.8	177	0.0f		7	5	274	0.24	0.49	sx	BUD	19006038	BUD			335

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.1	4 BUD	19006038

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.24	223.5	Pg	08:51:28.541	0.1					T__		374.4		---	ML	1.6	1555430	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
KECS	0.28	227.1	Pg	08:51:29.041	-0.1					T__		796.5		---	ML	2.0	1555431	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
CP16A	0.37	206.9	Pg	08:51:31.554	0.6					T__		228.0		---	ML	1.7	1555432	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
CP16A	0.37	206.9	Lg	08:51:37.196	0.5					T__				---		1555433	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
ABAH	0.48	141.5	Pg	08:51:33.555	0.4					T__		81.7		---	ML	1.5	1555436	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.48	141.5	Lg	08:51:40.007	-1.4					T__				---		1555435	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									

(Station ML: 1.5 magdef=1  
 CP17A 0.49 202.5 Lg 08:51:40.113 -0.8 T\_\_ --- 1555434 FDSN Z6 00 BUD iLoc HHN ??? \_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err Sgp
2023/12/20	12:36:44.81	2.30	1.79	47.9586	16.1509	18.1	4.9	29	0.0f	6	4	150	0.20	1.12	sx	BUD	19006042	BUD		257

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.20	261.2	Pg	12:36:49.268	0.3					T__		91.0		---	ML	0.8	1555515	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.20	261.2	Lg	12:36:50.780	-1.1					T__				---		1555516	FDSN	OE	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1 (Station ML: 0.8 magdef=0)																									
RONA	0.28	159.2	Pg	12:36:50.876	0.3					T__				---		1555518	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.28	159.2	Lg	12:36:53.612	-1.0					T__				---		1555517	FDSN	OE	--	BUD	iLoc	HHN	???	_	
ARSA	0.83	211.2	Lg	12:37:11.902	0.7					T__				---		1555519	FDSN	OE	--	BUD	iLoc	HHN	???	_	
KRUC	1.12	8.3	Sn	12:37:25.920	2.6					T__				---		1555520	FDSN	CZ	--	BUD	iLoc	HHE	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err Sgp
2023/12/20	13:30:59.51	3.41	0.44	48.5268	19.9585	19.2	12.1	116	0.0f	8	6	317	0.35	0.88	sx	BUD	19006046	BUD		324

Magnitude Err Nsta Author OrigID  
 ML 1.6 0.3 3 BUD 19006046

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KECS	0.35	96.9	Lg	13:31:12.072	-0.2					T__				---		1555572	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	0.39	94.4	Pg	13:31:07.409	0.0					T__		61.2		---	ML	1.2	1555570	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.39	94.4	Lg	13:31:12.924	-0.5					T__				---		1555571	FDSN	Z6	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.2 magdef=1 (Station ML: 1.2 magdef=1)																									
CP16A	0.43	115.3	Lg	13:31:15.202	0.4					T__				---		1555573	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP17A	0.48	129.7	Lg	13:31:16.586	-0.1					T__				---		1555574	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
HU02A	0.55	136.8	Pg	13:31:10.949	-0.2					T__		58.0		---	ML	1.6	1555575	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=1)																									
ABAH	0.88	104.7	Pn	13:31:18.583	0.6					T__		60.8		---	ML	1.8	1555577	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.88	104.7	Lg	13:31:31.102	0.4					T__				---		1555576	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.8 magdef=1 (Station ML: 1.8 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err Sgp
2023/12/21	07:49:37.25	1.08	0.34	47.9481	16.0664	7.5	5.0	41	0.0f	5	3	137	0.14	1.14	sx	BUD	19006050	BUD		250

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.14	261.9	Pg	07:49:40.283	0.0					T__		228.9		---	ML	1.0	1555614	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 1.0 magdef=1 (Station ML: 1.0 magdef=1)																									

RONA	0.29	148.0	Pg	07:49:43.328	-0.0				T__						1555615	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.29	148.0	Lg	07:49:47.544	0.0				T__						1555616	FDSN	OE	--	BUD	iLoc	HHN	???	_
KRUC	1.14	11.0	Pg	07:49:59.361	0.3				T__	65.2			ML	1.9	1555618	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	1.14	11.0	Lg	07:50:15.457	-0.4				T__						1555617	FDSN	CZ	--	BUD	iLoc	HHN	???	_

(Reading ML: 1.9 magdef=1  
 (Station ML: 1.9 magdef=1)

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/21	10:20:10.37	1.05	0.72	47.9192	16.1157	6.9	4.2	20	0.0f		6	4	146	0.17	0.90	sx	BUD	19006054	BUD			237

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
CONA	0.17	273.1	Pg	10:20:14.425	0.4					T__		146.8			ML	0.9	1555717	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.17	273.1	Lg	10:20:16.000	-0.6					T__						1555718	FDSN	OE	--	BUD	iLoc	HHN	???	_	

(Reading ML: 0.9 magdef=1  
 (Station ML: 0.9 magdef=0)

RONA	0.25	150.9	Pg	10:20:16.064	0.4					T__						1555719	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.25	150.9	Lg	10:20:18.875	-0.4					T__						1555720	FDSN	OE	--	BUD	iLoc	HHN	???	_
ARSA	0.78	211.2	Lg	10:20:34.662	-0.6					T__						1555721	FDSN	OE	--	BUD	iLoc	HHN	???	_
MODS	0.90	59.3	Lg	10:20:42.114	-0.5					T__						1555722	FDSN	SK	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/21	21:27:31.10	1.09	0.40	47.9966	16.5332	5.9	5.3	154	10.0f		7	4	150	0.31	0.62	ke	BUD	19006058	BUD			275

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
SOP	0.31	176.9	Pg	21:27:37.989	0.3					T__		99.4			ML	1.2	1557545	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.31	176.9	Lg	21:27:42.205	-0.0					T__						1557544	FDSN	HU	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.2 magdef=1  
 (Station ML: 1.2 magdef=0)

RONA	0.34	208.3	Pg	21:27:38.181	-0.0					T__						1557542	FDSN	OE	--	BUD	iLoc	HHZ	???	_
RONA	0.34	208.3	Lg	21:27:42.450	-0.6					T__						1557543	FDSN	OE	--	BUD	iLoc	HHN	???	_
CONA	0.46	261.6	Pg	21:27:40.523	0.1					T__	107.9			ML	1.6	1557540	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.46	261.6	Lg	21:27:47.017	0.3					T__						1557541	FDSN	OE	--	BUD	iLoc	HHN	???	_

(Reading ML: 1.6 magdef=1  
 (Station ML: 1.6 magdef=0)

MODS	0.62	52.6	Lg	21:27:53.122	-0.3					T__						1557546	FDSN	SK	--	BUD	iLoc	HHN	???	_
------	------	------	----	--------------	------	--	--	--	--	-----	--	--	--	--	--	---------	------	----	----	-----	------	-----	-----	---

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/22	22:54:39.22	1.45	1.55	45.6645	21.8460	14.3	6.6	1	10.0f		6	4	136	0.17	1.67	ke	BUD	19006060	BUD			265

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
BZS	0.17	253.5	Pg	22:54:42.578	-0.5					T__		172.1			ML	1.0	1557568	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BZS	0.17	253.5	Lg	22:54:44.982	-1.0					T__						1557567	FDSN	RO	--	BUD	iLoc	HHN	???	_	

(Reading ML: 1.0 magdef=1)



```

(Station ML: 1.0 magdef=0
BANR 0.57 240.8 Pg 22:54:50.864 0.4 T__ 1008.5 --- ML 2.8 1557565 FDSN RO -- BUD iLoc HHZ HHZ _
BANR 0.57 240.8 Lg 22:55:00.275 1.5 T__ --- 1557566 FDSN RO -- BUD iLoc HHN ??? _
(Reading ML: 2.8 magdef=1
(Station ML: 2.8 magdef=0
GZR 0.71 112.2 Lg 22:55:02.849 -0.1 T__ --- 1557569 FDSN RO -- BUD iLoc HHN ??? _
HU12A 1.67 335.5 Lg 22:55:35.390 1.9 T__ --- 1557570 FDSN Z6 00 BUD iLoc HHE ??? _

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/12/24 00:52:51.48 1.02 1.97 46.1745 16.0447 13.1 4.1 114 9.0f 6 4 157 0.27 1.43 ke BUD 19006062 BUD 222

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Magnitude Err Nsta Author OrigID
ML 1.0 0.1 3 BUD 19006062

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
PTJ 0.27 191.3 Pg 00:52:57.663 0.2 T__ 76.0 --- ML 0.9 1562131 FDSN CR -- BUD iLoc BHZ BHZ _
PTJ 0.27 191.3 Lg 00:53:00.457 -1.4 T__ --- 1562130 FDSN CR -- BUD iLoc BHN ??? _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=1
KOGS 0.31 27.4 Pg 00:52:57.551 -0.3 T__ 67.5 --- ML 1.0 1562132 FDSN SL -- BUD iLoc BHZ BHZ _
KOGS 0.31 27.4 Lg 00:53:02.470 0.3 T__ --- 1562133 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=1
CRES 0.54 229.8 Pg 00:53:02.570 0.5 T__ 80.2 --- ML 1.7 1562134 FDSN SL -- BUD iLoc BHZ BHZ _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
KOVH 1.43 92.7 Lg 00:53:40.279 3.0 T__ --- 1562135 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/12/25 18:05:19.31 0.89 0.51 47.4627 18.1978 3.9 3.3 138 10.0f 10 7 121 0.11 0.59 ke BUD 19006074 BUD 144

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Magnitude Err Nsta Author OrigID
ML 1.5 0.5 4 BUD 19006074

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
CSKK 0.11 156.8 Pg 18:05:22.414 0.1 T__ 3234.3 --- ML 2.1 1564416 FDSN HU -- BUD iLoc HHZ HHZ _
CSKK 0.11 156.8 Lg 18:05:24.448 -0.6 T__ --- 1564417 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
HU08A 0.19 260.5 Pg 18:05:23.500 -0.2 T__ 173.7 --- ML 1.1 1564419 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU08A 0.19 260.5 Lg 18:05:26.545 -0.7 T__ --- 1564420 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=1
HU09A 0.22 35.3 Pg 18:05:24.267 0.1 T__ 200.5 --- ML 1.2 1564418 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU09A 0.22 35.3 Lg 18:05:27.737 -0.4 T__ --- 1564421 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
SRO 0.36 12.5 Lg 18:05:32.918 0.0 T__ --- 1564422 FDSN SK -- BUD iLoc EHN ??? _
MPLH 0.54 237.1 Pg 18:05:30.453 0.3 T__ 87.0 --- ML 1.7 1564423 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 1.7 magdef=1

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(Station ML: 1.7 magdef=1
A267A 0.55 159.3 Lg 18:05:39.463 0.3 T__ --- 1564424 FDSN Z6 00 BUD iLoc HHN ??? _
EGYH 0.59 265.9 Lg 18:05:40.656 0.8 T__ --- 1564425 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/12/28 03:49:09.96 1.13 0.89 48.0571 19.9396 10.2 3.3 151 8.0 19.1 15 11 118 0.14 1.38 ke BUD 19006088 BUD 148

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Magnitude Err Nsta Author OrigID
ML 2.0 0.2 9 BUD 19006088

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
PSZ 0.14 192.4 Pg 03:49:13.866 0.2 T__ 4785.1 --- ML 2.4 1571032 FDSN GE -- BUD iLoc HHZ HHZ _
PSZ 0.14 192.4 Lg 03:49:16.485 -0.2 T__ --- 1571033 FDSN GE -- BUD iLoc HHN ??? _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=0
HU03A 0.28 236.2 Pg 03:49:16.080 0.1 T__ 377.3 --- ML 1.6 1571034 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU03A 0.28 236.2 Lg 03:49:20.519 0.2 T__ --- 1571042 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
HU02A 0.40 80.4 Pg 03:49:18.199 -0.3 T__ 157.1 --- ML 1.6 1571035 FDSN Z6 00 BUD iLoc HHZ HHZ _
HU02A 0.40 80.4 Lg 03:49:24.320 -0.6 T__ --- 1571043 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=0
CP17A 0.42 66.8 Pg 03:49:18.592 0.1 T__ 183.5 --- ML 1.7 1571036 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
CP16A 0.49 54.4 Pg 03:49:20.259 0.4 T__ 284.3 --- ML 2.1 1571037 FDSN Z6 00 BUD iLoc HHZ HHZ _
CP16A 0.49 54.4 Lg 03:49:27.562 0.3 T__ --- 1571044 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
KECS 0.56 40.3 Pg 03:49:21.366 0.1 T__ 210.7 --- ML 2.1 1571038 FDSN SK -- BUD iLoc EHZ EHZ _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
JOS 0.59 42.2 Pg 03:49:21.834 0.0 T__ 137.1 --- ML 2.0 1571040 FDSN Z6 -- BUD iLoc HHZ HHZ _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
HU10A 0.65 251.4 Pg 03:49:22.877 -0.5 T__ 100.0 --- ML 1.9 1571039 FDSN Z6 00 BUD iLoc HHZ HHZ _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
ABAH 0.90 74.1 Pg 03:49:27.647 0.1 T__ 130.7 --- ML 2.1 1571041 FDSN HU -- BUD iLoc HHZ HHZ _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
HU13A 1.07 176.5 Sn 03:49:48.033 2.8 T__ --- 1571045 FDSN Z6 00 BUD iLoc HHN ??? _
NIE 1.38 9.8 Sn 03:49:54.072 0.1 T__ --- 1571046 FDSN PL -- BUD iLoc BHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/12/28 10:02:04.56 2.10 0.76 48.4144 22.8503 23.8 18.3 44 35.0f 7 6 113 0.45 1.54 ke BUD 19006092 BUD 185

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Magnitude Err Nsta Author OrigID
ML 2.8 0.0 5 BUD 19006092

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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
TRPA	0.35	216.3	Pn	10:02:09.644	-3.5					---		687.9		---	ML	2.1	1572788	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 2.1 magdef=1)																								
	(Station ML: 2.1 magdef=0)																								
MEZ	0.45	77.0	Sn	10:02:21.709	-1.0					T__						1572792	FDSN	UA	--	BUD	iLoc	BHN	???	_	
KOLS	0.65	323.8	Pn	10:02:16.734	-0.3					T__						1572793	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
HU07A	0.76	235.7	Pn	10:02:17.866	-0.4					T__		496.7		---	ML	2.6	1572790	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU07A	0.76	235.7	Sn	10:02:29.087	-0.3					T__						1572791	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
	(Reading ML: 2.6 magdef=1)																								
	(Station ML: 2.6 magdef=1)																								
BMR	0.86	149.5	Pn	10:02:20.261	0.3					T__		668.2		---	ML	2.8	1572794	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 2.8 magdef=1)																								
	(Station ML: 2.8 magdef=1)																								
ABAH	1.08	264.3	Pn	10:02:22.798	0.1					T__		497.2		---	ML	2.8	1572795	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 2.8 magdef=1)																								
	(Station ML: 2.8 magdef=1)																								
JOS	1.54	273.9	Pn	10:02:30.149	1.0					T__		643.0		---	ML	3.2	1572796	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 3.2 magdef=1)																								
	(Station ML: 3.2 magdef=0)																								

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/28	20:12:06.55	3.27	0.78	48.4820	19.3104	20.3	10.7	117	10.0f		7	5	303	0.69	0.89	ke	BUD	19006094	BUD			335

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.0	4 BUD	19006094

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.69	145.1	Pg	20:12:21.057	-0.0					T__		101.8		---	ML	1.9	1573148	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.69	145.1	Lg	20:12:31.415	0.2					T__						1573149	FDSN	GE	--	BUD	iLoc	HHN	???	_	
	(Reading ML: 1.9 magdef=1)																								
	(Station ML: 1.9 magdef=1)																								
JOS	0.82	88.6	Pg	20:12:22.345	-0.4					T__		82.1		---	ML	1.9	1573154	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 1.9 magdef=1)																								
	(Station ML: 1.9 magdef=1)																								
CP16A	0.83	99.2	Lg	20:12:35.674	1.0					T__						1573153	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
CP17A	0.84	107.7	Pn	20:12:23.548	0.4					T__		104.4		---	ML	2.0	1573152	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
	(Reading ML: 2.0 magdef=1)																								
	(Station ML: 2.0 magdef=1)																								
HU02A	0.89	113.5	Pn	20:12:24.251	0.2					T__		69.8		---	ML	1.8	1573151	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.89	113.5	Lg	20:12:36.376	-1.0					T__						1573150	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
	(Reading ML: 1.8 magdef=1)																								
	(Station ML: 1.8 magdef=1)																								

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/28	20:59:19.61	1.69	1.95	48.2483	22.7316	14.8	13.3	65	35.0f		11	6	161	0.17	1.48	ke	BUD	19006096	BUD			251

Magnitude	Err	Nsta	Author	OrigID
ML	2.3	0.0	5 BUD	19006096

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
TRPA	0.17	227.6	Pn	20:59:24.389	-1.4					T__		686.8		---	ML	1.6	1573185	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.17	227.6	Sn	20:59:28.541	-1.1					T__				---		1573186	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 1.6 magdef=1																					
				(Station ML: 1.6 magdef=0																					
HU07A	0.61	244.3	Pn	20:59:32.533	1.3					T__		338.2		---	ML	2.4	1573189	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
HU07A	0.61	244.3	Sn	20:59:43.679	3.0					T__				---		1573190	FDSN	Z6	00	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.4 magdef=1																					
				(Station ML: 2.4 magdef=1																					
KOLS	0.75	336.2	Pn	20:59:31.458	-2.1					T__				---		1573187	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.75	336.2	Sn	20:59:44.041	-0.8					T__				---		1573188	FDSN	SK	--	BUD	iLoc	HHN	???	_	
BMR	0.77	137.9	Pn	20:59:34.865	1.0					T__		468.6		---	ML	2.6	1573191	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BMR	0.77	137.9	Sn	20:59:46.916	1.9					T__				---		1573192	FDSN	RO	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.6 magdef=1																					
				(Station ML: 2.6 magdef=0																					
ABAH	1.00	273.3	Pn	20:59:37.931	1.3					T__		160.6		---	ML	2.3	1573193	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	1.00	273.3	Sn	20:59:51.685	1.7					T__				---		1573194	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.3 magdef=1																					
				(Station ML: 2.3 magdef=1																					
JOS	1.48	280.4	Pn	20:59:44.978	1.6					T__		81.0		---	ML	2.2	1573195	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.2 magdef=1																					
				(Station ML: 2.2 magdef=1																					

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/28	21:06:12.05	1.35	0.35	48.3408	22.7260	11.8	7.5	55	17.6	18.7	7	4	168	0.24	0.99	ke	BUD	19006098	BUD			237

Magnitude	Err	Nsta	Author	OrigID
ML	2.2	0.0	3 BUD	19006098

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
TRPA	0.24	210.8	Pg	21:06:17.785	0.0					T__		253.8		---	ML	1.4	1573222	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 1.4 magdef=1																					
				(Station ML: 1.4 magdef=1																					
KOLS	0.66	333.3	Pg	21:06:24.943	0.0					T__				---		1573225	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.66	333.3	Sn	21:06:37.231	-0.4					T__				---		1573226	FDSN	SK	--	BUD	iLoc	HHN	???	_	
BMR	0.84	142.0	Pg	21:06:28.802	0.2					T__		176.0		---	ML	2.2	1573223	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BMR	0.84	142.0	Lg	21:06:40.374	-0.4					T__				---		1573227	FDSN	RO	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.2 magdef=1																					
				(Station ML: 2.2 magdef=1																					
ABAH	0.99	268.0	Pg	21:06:31.412	0.0					T__		156.2		---	ML	2.2	1573224	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.99	268.0	Sn	21:06:45.050	0.3					T__				---		1573228	FDSN	HU	--	BUD	iLoc	HHN	???	_	
				(Reading ML: 2.2 magdef=1																					
				(Station ML: 2.2 magdef=1																					

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/28	21:07:05.72	2.52	2.34	48.2921	22.7367	27.4	17.0	101	35.0f		5	4	165	0.21	1.00	ke	BUD	19006100	BUD			244

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.0	3 BUD	19006100

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
TRPA	0.21	219.3	Pn	21:07:10.573	-1.8							175.0		---	ML	1.1	1573250	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.21	219.3	Sn	21:07:14.788	-1.8									---		1573251	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=1)																									
HU07A	0.63	240.8	Pn	21:07:18.797	1.2							185.8		---	ML	2.1	1573252	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
KOLS	0.71	334.6	Pn	21:07:17.647	-1.5									---		1573253	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
BMR	0.80	140.2	Sn	21:07:32.934	1.0									---		1573254	FDSN	RO	--	BUD	iLoc	HHN	???	_	
ABAH	1.00	270.8	Pn	21:07:24.524	1.8							121.0		---	ML	2.1	1573255	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/28	22:39:45.68	2.38	2.18	48.4086	22.9161	31.2	18.5	46	35.0f		5	5	190	0.68	1.58	ke	BUD	19006104	BUD			276

Magnitude	Err	Nsta	Author	OrigID
ML	2.2	0.0	5 BUD	19006104

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
TRPA	0.38	222.3	Pn	22:39:50.605	-4.0							415.9		---	ML	2.0	1573311	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=0)																									
KOLS	0.68	321.2	Pn	22:39:57.663	-0.9									---		1573312	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
HU07A	0.80	237.8	Pn	22:39:58.770	-1.1							169.5		---	ML	2.2	1573313	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
BMR	0.83	151.9	Pn	22:40:01.064	0.3							282.7		---	ML	2.4	1573314	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.4 magdef=1)																									
(Station ML: 2.4 magdef=0)																									
ABAH	1.12	264.9	Pn	22:40:04.088	-0.3							132.7		---	ML	2.2	1573315	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									
JOS	1.58	274.0	Pn	22:40:13.612	2.7							69.7		---	ML	2.2	1573316	FDSN	Z6	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=1)																									

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2023/12/29	04:04:21.43	3.50	4.52	48.2444	22.6578	25.7	19.4	77	35.0f		4	3	155	0.14	0.95	ke	BUD	19006110	BUD			235

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
TRPA	0.14	214.9	Pn	04:04:25.904	-1.2							118.5		---	ML	0.8	1574831	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.14	214.9	Sn	04:04:29.805	-0.8									---		1574832	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Reading ML: 0.8 magdef=1)																									
(Station ML: 0.8 magdef=0)																									
KOLS	0.74	339.8	Sn	04:04:43.881	-2.4									---		1574833	FDSN	SK	--	BUD	iLoc	HHN	???	_	
BMR	0.80	135.1	Sn	04:04:49.439	1.8									---		1574830	FDSN	RO	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp			
2023/12/29	20:31:15.16	3.06	1.03	45.5305	16.1477	19.6	11.1	148	10.0f	8	5	250	0.32	1.02	ke	BUD	19006112	BUD				297			
Magnitude Err Nsta Author OrigID ML 1.7 0.2 3 BUD 19006112																									
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ZAG	0.32	339.2	Lg	20:31:27.945	1.6					T__						1576084	FDSN	CR	--	BUD	iLoc	BHN	???	_	
PTJ	0.40	341.6	Pg	20:31:22.334	-1.1					T__	107.4				ML	1.4	1576082	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.40	341.6	Lg	20:31:29.371	-0.2					T__						1576083	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
CRES	0.57	301.6	Pg	20:31:26.369	0.1					T__	79.7				ML	1.7	1576086	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.57	301.6	Lg	20:31:34.545	-0.1					T__						1576085	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
KOGS	0.92	4.4	Pg	20:31:33.119	0.5					T__	68.6				ML	1.8	1576087	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.92	4.4	Sn	20:31:47.512	0.6					T__						1576088	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
A264A	1.02	51.3	Sn	20:31:49.982	0.8					T__						1576089	FDSN	Z6	00	BUD	iLoc	HNN	???	_	
Magnitude Err Nsta Author OrigID ML 2.5 0.1 23 BUD 19006114																									
Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp			
2023/12/30	02:45:23.73	0.80	0.55	48.2713	16.5973	5.1	3.4	128	10.0f	33	25	87	0.47	2.49	ke	BUD	19006114	BUD					106		
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.47	77.0	Pg	02:45:33.206	-0.2					T__						1576216	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.47	77.0	Lg	02:45:41.027	0.3					T__						1576225	FDSN	SK	--	BUD	iLoc	HNN	???	_	
SOP	0.59	182.6	Pg	02:45:36.044	0.5					T__	216.7				ML	2.2	1576209	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
SOP	0.59	182.6	Lg	02:45:43.698	0.1					T__						1576226	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=0)																									
CONA	0.60	235.4	Pg	02:45:35.221	-0.6					T__	1057.4				ML	2.9	1576215	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
CONA	0.60	235.4	Lg	02:45:44.588	0.7					T__						1576227	FDSN	OE	--	BUD	iLoc	HNN	???	_	
(Reading ML: 2.9 magdef=1)																									
(Station ML: 2.9 magdef=0)																									
RONA	0.61	199.6	Pg	02:45:36.158	0.2					T__						1576211	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
RONA	0.61	199.6	Lg	02:45:44.203	0.0					T__						1576228	FDSN	OE	--	BUD	iLoc	HNN	???	_	
KRUC	0.80	350.5	Pg	02:45:38.969	-0.2					T__	347.3				ML	2.5	1576210	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.5 magdef=1)																									
(Station ML: 2.5 magdef=1)																									
JAVC	0.92	50.1	Pg	02:45:43.339	0.9					T__	140.6				ML	2.2	1576208	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
(Reading ML: 2.2 magdef=1)																									
(Station ML: 2.2 magdef=0)																									
EGYH	0.99	149.7	Pn	02:45:42.663	-0.1					T__	326.8				ML	2.6	1576212	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_

EGYH	0.99	149.7	Lg	02:45:55.560	-1.6	T__			1576230	FDSN	HU	--	BUD	iLoc	HHN	???	_		
				(Reading ML: 2.6 magdef=1															
				(Station ML: 2.6 magdef=1															
A260A	0.99	175.7	Pn	02:45:42.838	-0.0	T__	286.5	___	ML	2.5	1576217	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
A260A	0.99	175.7	Lg	02:45:55.945	-0.3	T__		___			1576229	FDSN	Z6	00	BUD	iLoc	HHN	???	_
				(Reading ML: 2.5 magdef=1															
				(Station ML: 2.5 magdef=1															
VRAC	1.04	359.9	Pg	02:45:42.663	-0.8	T__	60.7	___	ML	1.9	1576213	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
VRAC	1.04	359.9	Sn	02:45:57.557	-1.1	T__		___			1576231	FDSN	CZ	--	BUD	iLoc	HHN	???	_
				(Reading ML: 1.9 magdef=1															
				(Station ML: 1.9 magdef=0															
HU08A	1.23	132.8	Pn	02:45:45.654	-0.3	T__	185.8	___	ML	2.5	1576214	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.5 magdef=1															
				(Station ML: 2.5 magdef=1															
SRO	1.24	111.1	Pn	02:45:45.997	-0.2	T__	787.6	___	ML	3.1	1576220	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
				(Reading ML: 3.1 magdef=1															
				(Station ML: 3.1 magdef=0															
ARSA	1.25	215.8	Pn	02:45:47.564	0.8	T__	191.0	___	ML	2.5	1576218	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
ARSA	1.25	215.8	Sn	02:46:03.403	0.0	T__		___			1576232	FDSN	OE	--	BUD	iLoc	HHN	???	_
				(Reading ML: 2.5 magdef=1															
				(Station ML: 2.5 magdef=1															
TREC	1.26	324.8	Pn	02:45:47.530	0.7	T__	417.6	___	ML	2.8	1576233	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.8 magdef=1															
				(Station ML: 2.8 magdef=0															
MPLH	1.27	149.6	Pn	02:45:46.572	-0.1	T__	102.4	___	ML	2.2	1576219	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.2 magdef=1															
				(Station ML: 2.2 magdef=0															
HU09A	1.36	117.2	Pn	02:45:47.801	0.0	T__	253.9	___	ML	2.7	1576222	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.7 magdef=1															
				(Station ML: 2.7 magdef=1															
A262A	1.41	181.9	Pn	02:45:49.021	0.4	T__	155.9	___	ML	2.5	1576221	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.5 magdef=1															
				(Station ML: 2.5 magdef=1															
CSKK	1.44	128.4	Pn	02:45:48.717	-0.3	T__	109.9	___	ML	2.3	1576223	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.3 magdef=1															
				(Station ML: 2.3 magdef=1															
KOGS	1.84	187.5	Pn	02:45:54.670	0.0	T__	89.6	___	ML	2.5	1576234	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
				(Reading ML: 2.5 magdef=1															
				(Station ML: 2.5 magdef=1															
A267A	1.84	135.4	Pn	02:45:54.862	0.6	T__	91.1	___	ML	2.5	1576224	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.5 magdef=1															
				(Station ML: 2.5 magdef=1															
HU03A	2.05	99.2	Pn	02:45:57.966	0.6	T__	76.7	___	ML	2.5	1576235	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.5 magdef=1															
				(Station ML: 2.5 magdef=1															
A266A	2.08	146.4	Pn	02:45:58.092	0.5	T__	140.9	___	ML	2.8	1576236	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.8 magdef=1															
				(Station ML: 2.8 magdef=0															
PRU	2.19	322.6	Pn	02:46:00.113	0.3	T__	97.8	___	ML	2.7	1576237	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.7 magdef=1															
				(Station ML: 2.7 magdef=1															
A272A	2.22	132.7	Pn	02:45:59.644	0.2	T__	117.3	___	ML	2.8	1576238	FDSN	Z6	00	BUD	iLoc	HHZ	HHZ	_
				(Reading ML: 2.8 magdef=1															





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(Station ML: 1.7 magdef=1
KOGS 1.31 300.6 Pg 19:22:16.884 -0.0 T__ 96.8 --- ML 2.2 1581281 FDSN SL -- BUD iLoc BHZ BHZ _
KOGS 1.31 300.6 Lg 19:22:33.577 -0.1 T__ --- 1581280 FDSN SL -- BUD iLoc BHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
CRES 1.70 272.0 Pg 19:22:23.357 0.0 T__ 89.4 --- ML 2.4 1581279 FDSN SL -- BUD iLoc BHZ BHZ _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=0

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2023/12/31 20:07:42.94 3.50 0.19 45.7615 17.8315 30.1 11.6 174 15.0f 6 3 305 0.16 0.73 ke BUD 19006134 BUD 338

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Magnitude Err Nsta Author OrigID
ML 1.2 0.2 3 BUD 19006134

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
A273A 0.16 356.0 Pg 20:07:47.057 -0.1 T__ 229.3 --- ML 1.1 1581315 FDSN Z6 00 BUD iLoc HHZ HHZ _
A273A 0.16 356.0 Lg 20:07:50.224 0.2 T__ --- 1581316 FDSN Z6 00 BUD iLoc HHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=1
KOVH 0.38 29.7 Pg 20:07:50.990 0.0 T__ 70.5 --- ML 1.2 1581317 FDSN HU -- BUD iLoc HHZ HHZ _
KOVH 0.38 29.7 Lg 20:07:56.324 -0.2 T__ --- 1581319 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
MORH 0.73 51.0 Pn 20:07:57.359 0.2 T__ 69.7 --- ML 1.7 1581318 FDSN HU -- BUD iLoc HHZ HHZ _
MORH 0.73 51.0 Lg 20:08:07.728 -0.1 T__ --- 1581320 FDSN HU -- BUD iLoc HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1

```



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