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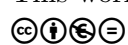
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Foreword

Until the 1st of April 2021, the Geodetic and Geophysical Institute (GGI) which includes the Kövesligethy Radó Seismological Observatory was part of the Research Centre for Astronomy and Earth Sciences. After the 1st of April 2021, it continues its work as an independent institute called Institute of Earth Physics and Space Science (EPSS). The Bulletin is published by EPSS, but in the text we used the GGI name valid in 2019. The authors contributed to the preparation of this publication as the staff members of CSFK GGI.

In 2019 twelve new temporary broadband seismological stations have been installed in the eastern part of Hungary. Together with the fifteen permanent stations of the Hungarian National Seismological Network (HNSN) and the previously installed temporary AlpArray stations the total number of the stations operated by the Kövesligethy Radó Seismological Observatory increased to 41. Fifteen stations are equipped by the German Seismological Broadband Array (DSEBRA).

During the year, 923 local events have been detected by the Network and ten earthquakes occurred in Hungary were felt by the public.

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 Hungarian 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

At the end of the year 2019 the Hungarian National Seismological Network (HNSN) operated by the CSFK GGI Kövesligethy Radó Seismological Observatory consisted of 15 permanent broadband stations and 26 broadband temporary stations.

During 2019 the number of the HNSN permanent broadband stations did not change. Twelve new temporary broadband stations have been installed in the eastern part of the country in the frame of the international PACASE (Pannonian-Carpathian-Alpine Seismic Experiment) project. Together with the previously installed AlpArray stations the total number of the temporary stations increased to 41, 15 of which are equipped and co-operated by the German Seismological Broadband Array (DSEBRA).

Additionally other four temporary stations were in operation for monitoring the aftershakes of the two significant $M \geq 4$ earthquakes occurred in 2019.

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 SeisComP3 software package (<http://www.seiscomp3.org>). 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 2019

Station	Lat. (°N)	Lon. (°E)	Height (m)	Sensor ^a	Acquisition ^b	Org. ^c	Period ^d
ABAH Abaújkér	48.2961	21.2397	195	STS-2.5	DM24S3	GGI	01.01-12.31
AMBH Ambrózfalva	46.3501	20.7258	88	Radian	Radian	GGI	01.01-12.31
BEHE Becsehely	46.4706	16.7757	289	STS-2 CMG-3T	EDR DM24S3	GGI	01.01-06.03 06.03-12.31
BSZH Besenyszög	47.2996	20.2670	82	CMG-3T	DM24S3	GGI	01.01-12.31
BUD Budapest	47.4831	19.0201	195	STS-2	PS-6-24 and SeisComP PC	GGI	01.01-12.31
CSKK Csókakő	48.3631	18.2605	319	CMG-3T CMG-3ESP	DM24S3 CMG-3ESP	GGI	01.01-09.02 09.02-12.31
EGYH Egyházaskesző	47.4163	17.3319	129	CMG-3T	DM24S3	GGI	01.01-12.31
KOVH Kővágóottös	46.0883	18.0999	270	STS-2.5	PS-6-24 and SeisComP PC	GGI	01.01-12.31
LTVH Létavértes	47.3849	21.9007	121	CMG-3T	DM24S3	GGI	01.01-12.31
MORH Mórágý	46.2149	18.6435	135	STS-2	DM24S3	GGI	01.01-12.31
MPLH Magyarpolány	47.1712	17.5348	337	STS-2.5	PS-6-24 and SeisComP PC	GGI	01.01-12.31
PSZ Piszkéstető	47.9181	19.8933	940	STS-2	PS-6-24 and SeisComP PC	GEOFON GGI	01.01-12.31
SOP Sopron	47.6807	16.5567	260	STS-2	PS-6-24 and SeisComP PC	GGI	01.01-12.31
TIH Tihany	46.9001	17.8878	189	CMG-3T	DM24S3	MBFSZ GGI	01.01-12.31
TRPA Tarpa	48.1304	22.5391	113	STS-2	DM24S3	GGI	01.01-12.31

^a Sensors:

CMG-3T – Guralp CMG-3T broadband seismometer
 Radian – Guralp Radian seismometer/digitizer
 CMG-3ESP – Guralp CMG-3SP seismometer/digitizer
 STS-2 and STS-2.5 – Streckeisen broadband seismometers

^b Data acquisition units (the recording is digital and continuous at all stations):

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

^c Operating organization:

GEOFON – GEOFON Global Seismic Network, GFZ, Germany
 GGI – Geodetic and Geophysical Institute, CSFK, Hungary
 MBFSZ – Mining and Geological Survey of Hungary

^d Availability period in 2019

Table 1.2: Parameters of the temporary stations of the Hungarian National Seismological Network in 2019

Station	Lat. (°N)	Lon. (°E)	Height (m)	Sensor ^a	Acquisition ^b	Org. ^c	Period ^d
A260A Vassurány	47.2834	16.7056	243	CMG-3T Horizon120	DM24S3 Centaur	DSEBRA GGI	01.01-05.15 05.15-12.31
A261A Óhíd	46.9520	17.1486	171	CMG-3T Horizon120	DM24S3 Centaur	DSEBRA GGI	01.01-05.10 05.10-12.31
A262A Szaknyér	46.8642	16.5276	240	CMG-3T Horizon120	DM24S3 Centaur	DSEBRA GGI	01.01-05.14 05.14.-12.31
A263A Hollád	46.6408	17.3149	165	CMG-3T Horizon120	DM24S3 Centaur	DSEBRA GGI	01.01-05.10 05.10-12.31
A264A Tarany	46.1597	17.2897	143	CMG-3T Horizon120	DM24S3 Centaur	DSEBRA GGI	01.01-05.13 05.13-12.31
A265A Kaposfüred	46.4245	17.7954	151	CMG-3T Horizon120	DM24S3 Centaur	DSEBRA GGI	01.01-05.09 05.09-12.31
A266A Gyulaj	46.5256	18.2647	219	CMG-3T Horizon120	DM24S3 Centaur	DSEBRA GGI	01.01-05.09 05.09-12.31
A267A Káloz	46.9463	18.4820	116	CMG-3T Horizon120	DM24S3 Centaur	DSEBRA GGI	01.01-05.15 05.15-12.31
A268A Réde	47.4313	17.9238	201	CMG-3T	DM24S3	GGI	01.01-08.27
A269A Baj	47.6386	18.3824	195	CMG-3T	DM24S3	GGI	01.01-08.27
A270A Szokolya	47.8452	19.0186	152	CMG-3T	DM24S3	GGI	01.01-08.27
A271A Ivánca	47.1547	18.8341	165	Horizon120	Centaur	DSEBRA GGI	05.08-12.31
A272A Bölcske	46.7444	18.9654	170	Horizon120	Centaur	DSEBRA GGI	05.07-12.31
A273A Marócsa	45.9163	17.8161	100	STS-2 Horizon120	Taurus Centaur	ETHZ DSEBRA GGI	01.01-05.13 05.13-12.31
ET1H Gyöngyösoroszi	47.8791	19.8713	400	CMG-3T	DM24S3	RMKI GGI	01.01-12.31

^a Sensors:

CMG-3T – Guralp CMG-3T broadband seismometer
 Horizon120 – Nanometrics Trillium Horizon 120 broadband seismometer
 STS-2.5 – Streckeisen broadband seismometer

^b Data acquisition units (at all stations the recording is digital and continuous):

DM24S3 – Guralp CMG-DM24S3EAM data acquisition system
 Taurus – Nanometrics Taurus 24-bit digitiser
 Centaur – Nanometrics Centaur 24-bit digitiser

^c Operating organization:

DSEBRA – German Seismological Broadband Array
 ETHZ – ETH Zurich, Zurich, Switzerland
 GGI – Geodetic and Geophysical Institute, CSFK, Hungary
 RMKI – Wigner Research Centre for Physics, Institute of Particle and Nuclear Physics, Hungary

^d Availability period in 2019

Table 1.3: Parameters of the temporary stations of the Hungarian National Seismological Network in 2019

Station	Lat. (°N)	Lon. (°E)	Height (m)	Sensor ^a	Acquisition ^b	Org. ^c	Period ^d
HU01A Pánd	47.3447	19.6203	151	CMG-3T	DM24S3	GGI	09.24-12.31
HU02A Szentlélek	48.1222	20.525	760	CMG-3T	DM24S3	GGI	05.28-12.31
HU03A Ecseg	47.9039	19.5997	175	CMG-3T	DM24S3	GGI	05.30-12.31
HU04A Ágasegyháza	46.8123	19.4784	116	CMG-3T	DM24S3	GGI	06.19-12.31
HU05A Hortobágy	47.5514	21.1376	91	CMG-3T	DM24S3	GGI	06.13-12.31
HU06A Eperjes	46.7123	20.5675	79	CMG-3T	DM24S3	GGI	06.25-12.31
HU07A Apagy	47.9811	21.9143	118	CMG-3T	DM24S3	GGI	06.13-12.31
HU08A Réde	47.6386	18.3824	195	CMG-3T	DM24S3	GGI	08.27-12.31
HU09A Baj	47.4313	17.9238	201	CMG-3T	DM24S3	GGI	08.27-12.31
HU10A Szokolya	47.8452	19.0186	152	CMG-3T	DM24S3	GGI	08.27-12.31
HU21A Pusztamérges	46.3329	19.729	163	Horizon120	Centaur	DSEBRA GGI	05.16-12.31
HU22A Érsekhalma	46.3278	19.1311	135	Horizon120	Centaur	DSEBRA GGI	09.04-12.31
HU23A Bernáthegy	47.6389	20.2496	158	Horizon120	Centaur	DSEBRA GGI	05.16-12.31
HU24A Bélmegyer	46.9099	21.159	120	Horizon120	Centaur	DSEBRA GGI	05.22-12.31
JOS Jósvafő	48.4955	20.5374	288	STS-2	EDR	GGI	06.12-12.31
ATAN1 Átány	47.6134	20.3571	93	CMG-3ESP	CMG-3ESP	GGI	08.12-08.22
ATAN2 Átány	47.6124	20.356	94	LE-3D	DM24S3	GGI	08.22-11.22
TENKA Tenk	47.6543	20.348	100	LE-3D	DM24S3	GGI	08.12-11.22
BELGA Beleg	46.3179	17.4149	141	LE-3D	DM24S3	GGI	03.08-06.22
DARVA Darvaspuszta	46.3431	17.1966	160	CMG-3ESP	CMG-3ESP	GGI	03.08-06.22

^a Sensors:

CMG-3T – Guralp CMG-3T broadband seismometer; Horizon120 – Nanometrics Trillium Horizon 120 broadband seismometer; LE-3D – Lennartz 5s short period seismometer; STS-2 – Streckeisen broadband seismometer;

^b Data acquisition units (at all stations the recording is digital and continuous):

DM24S3 – Guralp CMG-DM24S3EAM data acquisition system; EDR – Earth Data 24-bit digitizer; Taurus – Nanometrics Taurus 24-bit digitiser; Centaur – Nanometrics Centaur 24-bit digitiser

^c Operating organization:

DSEBRA – German Seismological Broadband Array

GGI – Geodetic and Geophysical Institute, CSFK, Hungary

^d Availability period in 2019

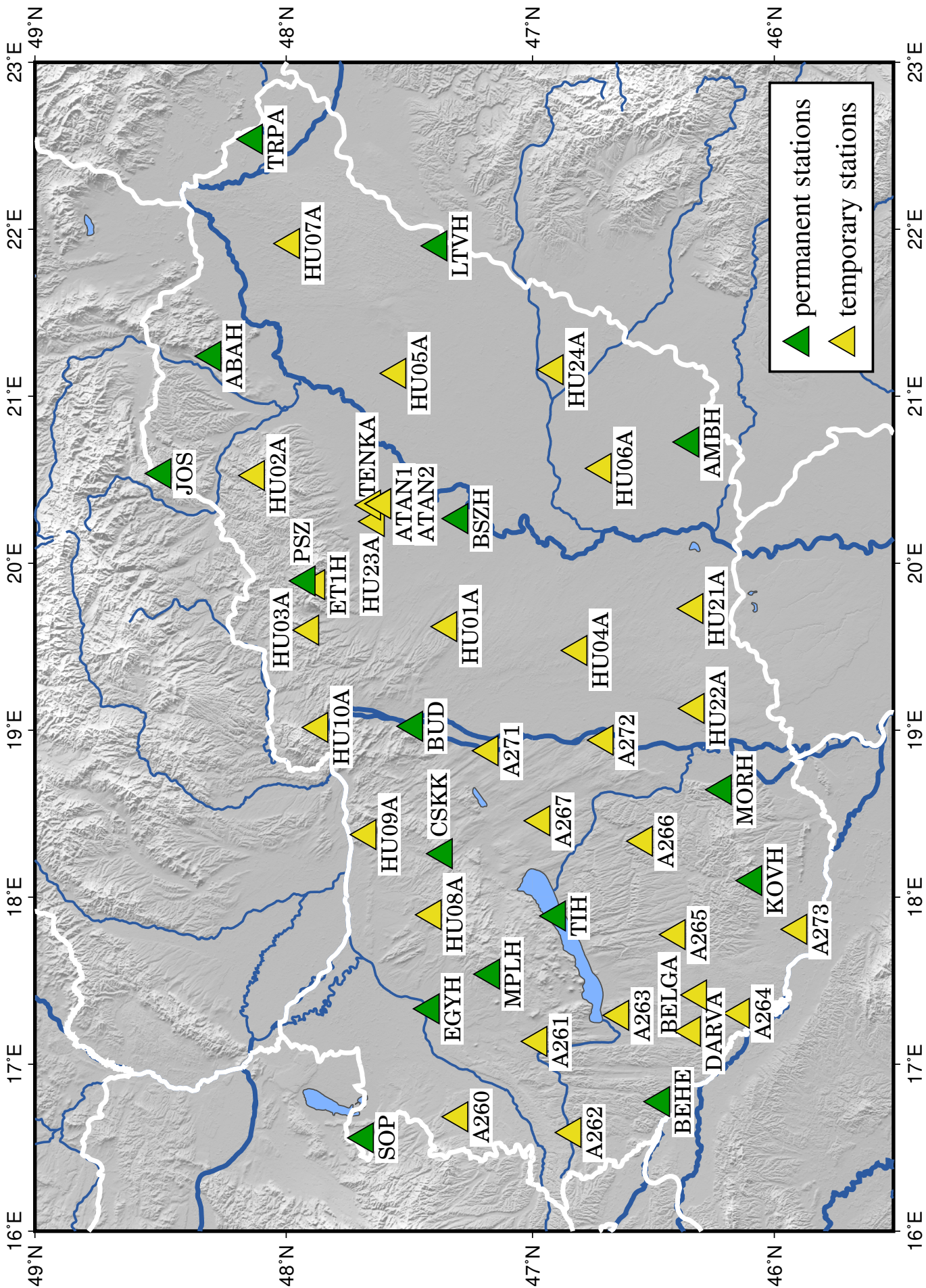


Figure 1.1: Permanent and temporary stations of the Hungarian National Seismological Network in 2019

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.

The iLoc locator, together with the latest RSTT three-dimensional velocity model (Myers et al., 2010) is available for download from CSFK GGI KRSZO website (<http://www.seismology.hu/data/iLoc/>).

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.

Prior to the relocations, we downloaded additional phase and hypocenter data from the ISC Bulletin (<http://www.isc.ac.uk>) for events in 2018 that occurred in the coordinate rectangle (42.50°N, 13.50°E – 50.50°N, 25.50°E). These data were associated to the reviewed events and inserted into the SeisComp3 database tables.

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 2019, 923 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 273 earthquakes (Fig. 2.1) and 650 quarry explosions (Fig. 2.2) have been identified. One hundred and ninety-four 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.	2019.01.04	09:03:03.8	48.5887	20.8074	0.0	1.6	EX	Slovakia
2.	2019.01.05	07:27:09.3	47.0872	21.0795	4.6	2.2	EQ	Kertészsziget
3.	2019.01.05	07:34:26.8	47.0590	21.1087	10.0	1.9	EQ	Szeghalom
4.	2019.01.06	06:46:18.7	46.6265	22.1128	2.2	2.3	EQ	Romania
5.	2019.01.07	02:05:48.2	46.1341	21.9895	2.8	2.0	EQ	Romania
6.	2019.01.07	09:29:14.9	48.5375	20.9271	0.0	1.7	EX	Slovakia
7.	2019.01.08	01:57:03.1	46.3478	17.5679	9.6	1.3	EQ	Jákó
8.	2019.01.08	09:06:31.6	48.5519	20.7654	0.0	1.8	EX	Komjáti
9.	2019.01.08	19:20:28.8	45.9302	21.2948	8.5	1.9	EQ	Romania
10.	2019.01.08	20:17:28.9	45.9378	21.2802	8.8	1.5	EQ	Romania
11.	2019.01.10	09:12:52.7	48.5426	20.7873	0.0	1.7	EX	Bódvalenke
12.	2019.01.11	09:08:12.8	48.5368	20.7949	0.0	2.0	EX	Bódvalenke
13.	2019.01.11	23:10:16.2	45.7969	17.3248	3.0	1.8	EQ	Croatia
14.	2019.01.12	21:05:16.6	48.6403	19.3841	18.7	1.8	EQ	Slovakia
15.	2019.01.14	10:42:05.2	48.3442	20.6449	0.0	1.6	EX	Ormosbánya
16.	2019.01.15	06:54:48.5	46.0973	16.4175	0.0	2.2	EX	Croatia
17.	2019.01.15	06:56:10.2	46.1011	16.4091	0.0	2.1	EX	Croatia
18.	2019.01.15	08:15:18.8	47.3700	18.4065	0.0	1.4	EX	Gánt
19.	2019.01.16	10:26:21.7	48.6037	20.7711	0.0	1.9	EX	Slovakia
20.	2019.01.17	09:04:05.8	47.3468	18.3989	0.0	-	EX	Zámoly
21.	2019.01.17	09:18:44.8	47.3466	18.3921	0.0	1.9	EX	Zámoly
22.	2019.01.17	10:18:21.5	47.2302	18.2835	0.0	1.2	GT	Iszkaszentgyörgy
23.	2019.01.18	04:40:51.0	46.1647	16.5735	1.2	2.0	EQ	Croatia
24.	2019.01.18	05:47:22.8	46.1782	16.5978	3.9	2.0	EQ	Croatia
25.	2019.01.21	10:57:55.1	48.5993	20.7396	0.0	1.7	EX	Slovakia
26.	2019.01.21	11:06:36.3	47.0978	17.9800	0.0	1.3	EX	Litér
27.	2019.01.22	08:55:42.8	48.5448	20.7795	0.0	1.6	EX	Komjáti
28.	2019.01.22	10:38:38.2	47.2302	18.2835	0.0	1.4	GT	Iszkaszentgyörgy
29.	2019.01.22	11:25:55.8	46.0683	22.0398	6.5	1.5	EQ	Romania

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
30.	2019.01.22	19:34:06.4	46.9814	17.5159	5.1	1.5	EQ	Szőc
31.	2019.01.23	13:37:57.6	46.1254	18.0152	0.0	1.6	GT	Bükkösd-II
32.	2019.01.23	13:40:29.3	46.1254	18.0152	0.0	1.4	GT	Bükkösd-II
33.	2019.01.24	08:11:12.6	47.3573	18.4095	0.0	-	EX	Gánt
34.	2019.01.24	09:13:37.0	46.0812	21.5972	10.0	-	EQ	Romania
35.	2019.01.24	09:31:25.7	46.1765	18.2926	0.0	0.9	GT	Komló-II
36.	2019.01.24	09:58:49.2	48.5568	20.8162	0.0	1.7	EX	Hidvégdárdó
37.	2019.01.24	10:46:15.3	47.3167	18.3081	0.0	1.3	GT	Magyaralmás
38.	2019.01.24	11:02:55.6	48.2470	21.2460	0.0	1.8	GT	Tállya
39.	2019.01.26	07:34:24.2	46.4853	21.7140	8.9	1.6	EQ	Romania
40.	2019.01.28	09:40:36.5	47.1165	17.9988	0.0	1.3	EX	Litér
41.	2019.01.28	09:59:19.4	47.3738	18.4021	0.0	1.8	EX	Gánt
42.	2019.01.29	07:47:31.5	47.8332	18.6558	2.8	2.2	EQ	Slovakia
43.	2019.01.29	09:11:16.9	48.4766	20.7329	0.0	1.3	EX	Martonyi
44.	2019.01.30	10:27:17.8	47.2302	18.2835	0.0	1.3	GT	Iszkaszentgyörgy
45.	2019.01.30	12:45:39.9	46.1210	16.4581	4.0	1.8	EQ	Croatia
46.	2019.01.30	13:17:33.4	46.1167	18.0681	0.0	1.4	EX	Hetvehely
47.	2019.01.31	08:39:52.1	47.3724	18.1409	0.0	1.7	EX	Nagyveleg
48.	2019.01.31	09:25:41.6	46.9909	22.3189	5.0	2.2	EQ	Romania
49.	2019.01.31	10:04:31.7	48.5302	20.7876	0.0	1.8	EX	Tornaszentandrás
50.	2019.01.31	10:28:19.9	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
51.	2019.02.01	09:44:48.6	46.1765	18.2926	0.0	1.0	GT	Komló-II
52.	2019.02.01	11:45:42.7	46.1832	16.0099	0.0	-	EX	Croatia
53.	2019.02.02	18:57:26.1	47.8491	18.6222	4.9	1.7	EQ	Slovakia
54.	2019.02.04	08:30:25.8	47.9577	19.9076	0.0	1.9	EX	Szuha
55.	2019.02.04	09:13:56.1	48.2470	21.2460	0.0	-	GT	Tállya
56.	2019.02.04	09:24:58.3	48.5875	20.7967	0.0	1.7	EX	Slovakia
57.	2019.02.04	11:14:52.2	47.2302	18.2835	0.0	1.5	GT	Iszkaszentgyörgy
58.	2019.02.04	20:04:11.3	46.3639	21.3657	5.2	1.5	EQ	Romania
59.	2019.02.05	06:14:50.7	46.9494	21.7150	6.9	1.6	EQ	Romania
60.	2019.02.05	10:58:50.2	47.3413	18.3357	0.0	1.7	EX	Csákerény
61.	2019.02.05	11:12:56.6	47.3580	18.3932	0.0	-	EX	Gánt
62.	2019.02.05	21:39:13.7	47.8093	18.3796	5.0	1.3	EQ	Slovakia
63.	2019.02.06	09:48:30.6	48.5608	20.7512	0.0	1.7	EX	Komjáti
64.	2019.02.06	09:51:22.1	47.6974	18.5038	0.0	1.7	EX	Bajót
65.	2019.02.06	15:43:37.0	47.8658	20.7591	3.7	1.7	EQ	Csincse
66.	2019.02.06	15:57:37.3	47.8469	20.7942	5.9	1.7	EQ	Gelej
67.	2019.02.06	19:12:20.7	47.8613	20.7613	10.0	1.7	EQ	Csincse
68.	2019.02.07	03:22:50.0	48.1999	18.9447	11.8	1.3	EQ	Slovakia
69.	2019.02.07	08:10:46.2	47.1076	17.9867	0.0	-	EX	Litér
70.	2019.02.07	09:52:47.6	48.5120	17.4502	0.0	1.7	EX	Slovakia
71.	2019.02.07	09:55:49.1	47.8355	19.1270	0.0	1.6	GT	Sejce-Vác
72.	2019.02.07	09:57:14.5	48.5936	20.7867	0.0	1.7	EX	Slovakia
73.	2019.02.07	11:41:34.7	46.1254	18.0152	0.0	-	GT	Bükkösd-II
74.	2019.02.07	14:34:23.3	46.4224	21.2359	5.0	1.8	EQ	Lókösháza
75.	2019.02.08	01:13:35.3	46.9490	21.7007	5.5	1.5	EQ	Romania
76.	2019.02.08	08:30:51.7	47.1240	18.0700	0.0	-	GT	Vilonya
77.	2019.02.08	09:01:12.1	48.6013	20.8313	0.0	1.4	EX	Slovakia
78.	2019.02.08	09:10:10.1	46.9691	22.2644	0.0	1.8	EX	Romania
79.	2019.02.08	09:16:09.9	47.3459	18.4274	0.0	1.8	EX	Zámoly
80.	2019.02.08	11:57:36.4	48.6392	19.4221	5.0	1.6	EQ	Slovakia

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
81.	2019.02.09	02:02:50.0	47.3168	17.6966	0.0	1.1	EQ	Bakonykoppány
82.	2019.02.09	23:42:31.2	46.8829	21.5421	5.3	1.8	EQ	Mezőgyán
83.	2019.02.09	23:45:12.0	48.2039	22.9408	9.4	2.2	EQ	Ukraine
84.	2019.02.11	09:18:27.6	48.6061	20.7515	0.0	-	EX	Slovakia
85.	2019.02.11	11:00:04.8	47.8355	19.1270	0.0	1.8	GT	Sejce-Vác
86.	2019.02.11	14:23:08.0	48.7528	21.4258	0.0	-	EX	Slovakia
87.	2019.02.12	12:23:35.4	48.6039	20.8155	0.0	1.8	EX	Slovakia
88.	2019.02.13	08:04:12.0	48.0618	16.6729	0.0	1.9	EX	Austria
89.	2019.02.13	08:53:19.2	45.6330	17.2920	0.0	1.9	EQ	Croatia
90.	2019.02.13	09:02:29.4	47.8355	19.1270	0.0	1.6	GT	Sejce-Vác
91.	2019.02.13	09:25:33.0	47.3300	17.6350	0.0	1.5	GT	Ugod
92.	2019.02.13	09:31:15.2	47.3300	17.6350	0.0	-	GT	Ugod
93.	2019.02.13	10:59:34.0	48.1732	16.9185	0.0	2.0	EX	Austria
94.	2019.02.13	13:15:19.4	46.1254	18.0152	0.0	1.5	GT	Bükkösd-II
95.	2019.02.14	11:34:22.8	47.9151	19.4088	0.0	1.4	GT	Szanda
96.	2019.02.14	11:52:39.6	48.3672	18.4612	0.0	1.6	EX	Slovakia
97.	2019.02.15	04:42:59.8	48.4597	17.2414	0.0	1.9	EX	Slovakia
98.	2019.02.15	08:25:36.2	46.9889	22.2975	0.0	2.3	EX	Romania
99.	2019.02.15	11:22:27.0	47.2302	18.2835	0.0	1.8	GT	Iszkaszentgyörgy
100.	2019.02.16	05:52:14.7	46.3120	17.3020	13.2	1.6	EQ	Somogyszob
101.	2019.02.16	06:16:38.1	46.3110	17.3020	13.2	1.7	EQ	Somogyszob
102.	2019.02.16	13:52:22.5	46.4066	21.2756	8.5	2.4	EQ	Romania
103.	2019.02.17	14:40:44.3	46.3110	17.2990	14.0	2.7	EQ	Somogyszob
104.	2019.02.17	15:03:49.9	46.3120	17.3020	13.1	2.2	EQ	Somogyszob
105.	2019.02.18	09:07:21.2	47.5324	18.5022	0.0	1.4	EX	Szárliget
106.	2019.02.19	09:47:29.0	47.3684	18.4167	0.0	-	EX	Gánt
107.	2019.02.19	09:48:16.0	46.1765	18.2926	0.0	1.5	GT	Komló-II
108.	2019.02.19	10:06:26.1	48.5273	20.7885	0.0	1.8	EX	Tornaszentandrás
109.	2019.02.19	10:22:05.1	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
110.	2019.02.20	10:11:51.0	45.9530	16.1461	4.5	-	EQ	Croatia
111.	2019.02.21	09:17:19.7	48.6601	19.9081	0.0	1.7	EX	Slovakia
112.	2019.02.21	09:32:14.2	48.5255	20.7724	0.0	1.5	EX	Tornaszentandrás
113.	2019.02.21	09:54:55.6	47.8355	19.1270	0.0	1.6	GT	Sejce-Vác
114.	2019.02.21	10:18:02.5	46.9816	22.2395	0.0	2.2	EX	Romania
115.	2019.02.21	10:35:14.9	45.5963	17.3230	0.2	2.1	EQ	Croatia
116.	2019.02.22	09:06:51.4	46.0726	22.8367	0.0	1.7	EX	Romania
117.	2019.02.22	18:57:52.4	47.6288	20.2919	7.4	2.3	EQ	Heves
118.	2019.02.23	12:56:28.1	47.3691	18.1718	11.6	1.5	EQ	Mór
119.	2019.02.24	13:44:38.6	47.4107	18.4175	5.0	-	EQ	Gánt
120.	2019.02.24	14:44:33.9	48.6514	19.3893	17.8	1.8	EQ	Slovakia
121.	2019.02.25	11:03:02.2	48.2285	16.9492	0.0	2.0	EX	Austria
122.	2019.02.25	11:10:04.5	47.2570	18.3553	0.0	1.5	EX	Sárkeresztés
123.	2019.02.25	12:39:47.7	48.3412	19.8570	0.0	1.9	EX	Slovakia
124.	2019.02.26	09:15:10.5	48.4888	20.7470	0.0	1.6	EX	Martonyi
125.	2019.02.26	09:25:08.7	47.3030	18.2896	0.0	-	EX	Fehérváracsurgó
126.	2019.02.26	10:24:43.2	46.9020	22.7392	0.0	1.5	EX	Romania
127.	2019.02.27	09:22:38.4	46.3966	21.4462	5.0	2.6	EQ	Romania
128.	2019.02.28	09:42:36.4	48.2334	21.5328	0.0	-	EX	Viss
129.	2019.02.28	10:33:18.8	48.5700	20.7812	0.0	1.6	EX	Slovakia
130.	2019.02.28	11:00:48.0	48.2916	17.1070	12.5	-	EQ	Slovakia
131.	2019.02.28	11:08:03.2	45.6111	17.2896	0.0	2.2	EQ	Croatia

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
132.	2019.02.28	11:09:14.3	45.6276	17.3189	3.1	1.6	EQ	Croatia
133.	2019.02.28	15:48:51.3	46.1229	21.6639	0.0	1.3	EQ	Romania
134.	2019.03.01	10:17:13.2	47.6786	18.5635	0.0	2.0	EX	Nagysáp
135.	2019.03.01	12:03:03.3	46.9750	22.3112	0.0	1.7	EX	Romania
136.	2019.03.02	07:16:03.8	46.3887	21.4851	9.0	1.6	EQ	Romania
137.	2019.03.04	07:29:39.4	47.2447	18.2429	0.0	-	EX	Bakonykúti
138.	2019.03.04	08:53:17.2	48.5942	20.7683	0.0	1.7	EX	Slovakia
139.	2019.03.04	11:00:31.4	48.1609	17.0000	0.0	2.1	EX	Slovakia
140.	2019.03.04	11:54:14.3	46.1254	18.0152	0.0	1.8	GT	Bükkösd-II
141.	2019.03.04	21:46:13.5	47.5591	18.9461	8.6	1.9	EQ	Remeteszőlős
142.	2019.03.05	09:51:25.9	48.4929	17.5299	0.0	1.5	EQ	Slovakia
143.	2019.03.05	09:54:57.9	47.5600	18.4573	0.0	1.5	GT	Tatabánya
144.	2019.03.05	10:02:28.9	48.6046	20.7855	0.0	2.0	EX	Slovakia
145.	2019.03.06	08:15:00.7	48.4600	19.2043	0.0	2.1	EX	Slovakia
146.	2019.03.06	08:16:54.2	47.1150	17.9749	0.0	1.2	EX	Litér
147.	2019.03.06	10:56:16.0	48.5806	20.7448	0.0	1.9	EX	Slovakia
148.	2019.03.06	11:25:56.2	48.2470	21.2460	0.0	1.7	GT	Tállya
149.	2019.03.07	08:30:47.2	46.9006	22.8751	0.0	1.8	EX	Romania
150.	2019.03.07	10:26:16.2	46.1254	18.0152	0.0	1.7	GT	Bükkösd-II
151.	2019.03.07	11:21:01.3	46.1254	18.0152	0.0	1.6	GT	Bükkösd-II
152.	2019.03.07	19:07:54.0	46.3070	17.3020	14.4	4.0	EQ	Somogyszob
153.	2019.03.07	19:21:15.4	46.3090	17.3070	12.9	1.6	EQ	Somogyszob
154.	2019.03.07	19:38:21.2	46.3096	17.3147	4.2	1.3	EQ	Somogyszob
155.	2019.03.07	21:06:58.9	47.5595	18.9563	6.4	1.6	EQ	Remeteszőlős
156.	2019.03.08	00:11:54.8	46.3110	17.3020	13.1	1.8	EQ	Somogyszob
157.	2019.03.08	08:11:12.1	48.0670	20.6926	0.0	-	EX	Bükkszentkereszt
158.	2019.03.08	08:32:00.7	48.3422	19.0224	0.0	1.6	EX	Slovakia
159.	2019.03.08	08:42:28.1	47.4480	18.7393	0.0	1.4	EX	Etyek
160.	2019.03.08	09:33:59.9	47.5587	18.5440	0.0	1.6	EX	Szárliget
161.	2019.03.08	10:16:47.4	46.9298	22.3289	0.0	1.9	EX	Romania
162.	2019.03.08	10:35:23.6	46.0632	22.8456	0.0	1.7	EX	Romania
163.	2019.03.09	00:21:39.8	47.3366	18.2471	10.0	1.1	EQ	Bodajk
164.	2019.03.09	09:31:21.0	46.1765	18.2926	0.0	1.0	GT	Komló-II
165.	2019.03.11	10:34:52.2	47.8280	19.8713	0.0	-	EX	Gyöngyösoroszi
166.	2019.03.11	10:49:13.0	48.3336	18.5822	0.0	1.9	EX	Slovakia
167.	2019.03.11	11:00:59.9	48.1393	16.8510	0.0	1.9	EX	Austria
168.	2019.03.11	11:16:13.3	47.0433	17.8172	0.0	1.7	EX	Nemesvámos
169.	2019.03.11	11:40:16.4	47.3577	18.3953	0.0	-	EX	Gánt
170.	2019.03.11	17:45:26.9	46.5432	17.3808	10.0	1.5	EQ	Gadány
171.	2019.03.12	09:19:07.8	47.7682	20.6910	0.0	-	EX	Szentistván
172.	2019.03.12	09:36:49.0	48.5879	20.8084	0.0	1.7	EX	Slovakia
173.	2019.03.12	10:13:24.5	46.1765	18.2926	0.0	-	GT	Komló-II
174.	2019.03.12	10:44:51.8	48.2470	21.2460	0.0	2.2	GT	Tállya
175.	2019.03.12	13:00:04.3	48.4323	19.6353	0.0	-	EX	Slovakia
176.	2019.03.12	15:02:34.0	48.3382	20.9167	7.0	2.0	EQ	Kupa
177.	2019.03.12	15:55:50.7	46.1218	21.7365	2.2	2.1	EQ	Romania
178.	2019.03.13	08:58:22.0	47.9259	19.9542	13.5	-	EQ	Parádsasvár
179.	2019.03.13	09:30:48.7	46.1765	18.2926	0.0	1.4	GT	Komló-II
180.	2019.03.13	09:41:18.9	47.8987	20.0893	0.0	1.9	GT	Recsk
181.	2019.03.13	09:43:17.1	46.9131	22.8558	0.0	-	EX	Romania
182.	2019.03.13	11:56:04.6	47.3201	18.3456	0.0	1.8	EX	Csákkberény

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
183.	2019.03.13	12:04:35.2	47.2783	18.2635	0.0	1.3	EX	Fehérvárcsurgó
184.	2019.03.14	09:43:33.0	46.9518	17.2668	0.0	-	EX	Sümegeprága
185.	2019.03.14	09:48:24.8	45.5938	17.4387	3.6	1.7	EQ	Croatia
186.	2019.03.14	20:02:44.2	46.3447	17.2556	12.3	1.1	EQ	Kaszó
187.	2019.03.15	09:09:04.7	48.5857	20.7539	0.0	1.5	EX	Slovakia
188.	2019.03.15	09:26:54.3	46.9655	22.3165	0.0	2.0	EX	Romania
189.	2019.03.15	10:42:08.9	46.1445	21.7393	7.2	1.6	EQ	Romania
190.	2019.03.15	10:51:07.0	48.4658	22.7100	1.0	2.1	EQ	Ukraine
191.	2019.03.15	10:52:42.2	48.4707	22.7109	14.8	-	EQ	Ukraine
192.	2019.03.15	10:59:57.9	48.1508	16.9541	0.0	1.9	EX	Austria
193.	2019.03.15	13:50:05.9	46.1234	21.6817	0.0	1.5	EX	Romania
194.	2019.03.16	15:08:17.1	45.6645	17.9205	5.0	2.5	EQ	Croatia
195.	2019.03.18	08:39:49.5	46.0680	22.8379	0.0	1.7	EX	Romania
196.	2019.03.18	08:45:41.6	46.0462	22.8534	0.0	1.7	EX	Romania
197.	2019.03.18	11:45:14.6	46.1254	18.0152	0.0	1.8	GT	Bükkösd-II
198.	2019.03.20	08:43:39.8	48.2517	21.4615	0.0	-	EX	Vámosújfalú
199.	2019.03.20	09:05:00.3	46.8847	22.8946	0.0	1.8	EX	Romania
200.	2019.03.21	10:17:35.5	47.3288	17.6654	0.0	1.9	EX	Bakonykoppány
201.	2019.03.21	11:35:31.7	48.2470	21.2460	0.0	1.8	GT	Tállya
202.	2019.03.21	11:37:38.6	46.1254	18.0152	0.0	1.3	GT	Bükkösd-II
203.	2019.03.21	11:38:11.2	46.0523	18.0803	0.0	1.2	EX	Bicsérd
204.	2019.03.25	09:40:43.1	47.8355	19.1270	0.0	1.6	GT	Sejce-Vác
205.	2019.03.25	10:54:50.2	47.4559	18.7151	0.0	-	EX	Etyek
206.	2019.03.25	11:23:24.9	46.1193	21.6852	4.7	1.5	EQ	Romania
207.	2019.03.25	13:14:34.9	46.1226	21.6484	6.5	1.2	EQ	Romania
208.	2019.03.25	15:37:28.7	46.1284	21.6368	6.7	1.5	EQ	Romania
209.	2019.03.26	11:14:52.9	46.8747	22.8778	0.0	1.9	EX	Romania
210.	2019.03.27	10:06:15.4	48.7028	20.7305	0.0	1.8	EX	Slovakia
211.	2019.03.27	18:10:28.3	46.1173	16.4486	0.2	1.9	EQ	Croatia
212.	2019.03.29	10:36:11.4	47.8355	19.1270	0.0	2.0	GT	Sejce-Vác
213.	2019.03.30	10:06:35.1	46.1765	18.2926	0.0	-	GT	Komló-II
214.	2019.04.01	11:15:54.1	46.1373	21.6242	11.9	1.4	EQ	Romania
215.	2019.04.01	13:00:44.4	46.7163	22.2276	0.0	1.5	EX	Romania
216.	2019.04.02	07:55:35.7	48.7488	20.8090	0.0	-	EX	Slovakia
217.	2019.04.02	10:31:24.2	48.2470	21.2460	0.0	2.1	GT	Tállya
218.	2019.04.03	08:40:25.7	47.3502	18.4067	0.0	-	EX	Zámoly
219.	2019.04.03	09:30:32.8	46.8548	17.2699	0.0	2.1	GT	Várvölgy
220.	2019.04.03	10:30:17.9	46.8740	22.8667	0.0	1.6	EX	Romania
221.	2019.04.04	08:48:03.0	46.1391	18.3113	0.0	-	EX	Hosszúhetény
222.	2019.04.04	09:22:45.4	48.5367	20.7763	0.0	1.4	EX	Komjáti
223.	2019.04.05	08:12:44.4	47.9151	19.4088	0.0	1.7	GT	Szanda
224.	2019.04.05	09:39:50.3	48.5018	18.7392	0.0	1.5	EX	Slovakia
225.	2019.04.05	13:52:31.6	46.3110	17.2980	13.5	2.3	EQ	Somogyoszob
226.	2019.04.08	04:54:28.5	48.9220	18.3795	8.0	1.8	EQ	Slovakia
227.	2019.04.08	08:05:43.2	48.6273	20.7383	0.0	1.6	EX	Slovakia
228.	2019.04.08	09:12:22.2	47.5459	18.4538	0.0	1.4	EX	Szárliget
229.	2019.04.09	06:03:45.5	47.3167	18.3081	0.0	-	GT	Magyaralmás
230.	2019.04.09	08:37:30.6	48.3830	19.1153	0.0	1.5	EX	Slovakia
231.	2019.04.09	08:55:06.8	46.0669	22.0419	5.0	-	EQ	Romania
232.	2019.04.09	09:13:15.9	48.5217	18.4612	0.0	1.6	EX	Slovakia
233.	2019.04.09	09:25:09.8	47.8355	19.1270	0.0	-	GT	Sejce-Vác

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
234.	2019.04.09	09:42:15.2	47.3457	18.4048	0.0	1.2	EX	Zámoly
235.	2019.04.09	11:59:59.6	48.4140	17.2637	0.0	1.6	EX	Slovakia
236.	2019.04.10	08:56:10.2	46.1765	18.2926	0.0	-	GT	Komló-II
237.	2019.04.10	09:27:53.8	47.3394	18.4082	0.0	1.3	EX	Zámoly
238.	2019.04.10	11:03:01.9	48.6647	20.8104	0.0	1.5	EX	Slovakia
239.	2019.04.10	11:09:53.7	48.5459	20.8407	0.0	1.5	EX	Hidvégdárdó
240.	2019.04.11	07:08:50.6	48.4379	20.7438	0.0	1.4	EX	Szalonna
241.	2019.04.11	08:50:49.6	47.2509	18.3622	0.0	1.7	EX	Sárkeresztes
242.	2019.04.11	09:35:20.0	47.2381	18.2850	0.0	-	EX	Iszkaszentgyörgy
243.	2019.04.12	08:07:35.9	47.3624	18.4010	0.0	-	EX	Gánt
244.	2019.04.12	09:43:13.8	46.1254	18.0152	0.0	-	GT	Bükkösd-II
245.	2019.04.12	10:00:41.7	48.1533	16.9624	0.0	1.6	EX	Austria
246.	2019.04.12	10:18:24.1	48.2470	21.2460	0.0	1.8	GT	Tállya
247.	2019.04.12	10:31:57.3	46.1254	18.0152	0.0	-	GT	Bükkösd-II
248.	2019.04.12	10:35:44.7	48.2470	21.2460	0.0	1.8	GT	Tállya
249.	2019.04.13	04:04:02.7	48.7685	19.8378	10.8	1.7	EQ	Slovakia
250.	2019.04.15	03:42:29.2	48.9291	18.3739	5.5	2.1	EQ	Slovakia
251.	2019.04.15	08:37:24.3	48.5634	20.8093	0.0	1.7	EX	Tornanádaska
252.	2019.04.15	08:42:16.6	47.3523	18.4234	0.0	-	EX	Zámoly
253.	2019.04.15	22:14:40.6	45.5898	18.5238	0.2	2.4	EQ	Croatia
254.	2019.04.16	09:08:02.9	48.5647	20.7569	0.0	1.6	EX	Komjátí
255.	2019.04.16	09:17:07.4	45.5788	17.2629	0.5	2.3	EQ	Croatia
256.	2019.04.16	09:48:46.3	47.3567	18.3883	0.0	-	EX	Gánt
257.	2019.04.17	07:24:08.4	48.0061	19.6278	0.0	0.8	GT	Nagyloc
258.	2019.04.17	09:30:55.6	48.5927	20.8116	0.0	1.5	EX	Slovakia
259.	2019.04.17	11:16:12.5	47.8650	20.1529	0.0	-	GT	Kisnána
260.	2019.04.18	08:58:22.6	47.8355	19.1270	0.0	1.5	GT	Sejce-Vác
261.	2019.04.19	11:24:30.9	46.3131	21.5469	11.2	2.0	EQ	Romania
262.	2019.04.22	07:56:15.2	48.2738	19.3388	11.7	1.9	EQ	Slovakia
263.	2019.04.23	08:26:08.5	48.2470	21.2460	0.0	2.0	GT	Tállya
264.	2019.04.23	09:10:33.6	47.1679	18.0407	0.0	-	EX	Öskü
265.	2019.04.23	20:48:47.2	47.5282	18.9474	11.5	1.2	EQ	Budakeszi
266.	2019.04.24	09:32:44.8	48.3985	19.4893	0.0	1.7	EX	Slovakia
267.	2019.04.24	19:32:52.9	46.2488	19.8810	4.5	1.6	EQ	Zákányszék
268.	2019.04.25	07:50:13.1	48.6019	20.7461	0.0	1.7	EX	Slovakia
269.	2019.04.25	08:03:41.4	47.8355	19.1270	0.0	1.3	GT	Sejce-Vác
270.	2019.04.25	09:33:40.0	46.1063	18.0066	0.0	-	EX	Bükkösd
271.	2019.04.25	09:52:38.6	47.3847	18.3758	0.0	1.6	EX	Gánt
272.	2019.04.25	09:52:39.9	46.1240	21.6427	2.9	1.4	EQ	Romania
273.	2019.04.25	10:01:29.5	48.3542	19.8484	0.0	1.9	EX	Slovakia
274.	2019.04.26	06:24:44.4	47.2210	18.2861	0.0	-	EX	Iszkaszentgyörgy
275.	2019.04.26	07:35:11.3	47.5426	18.4229	0.0	1.9	EX	Tatabánya
276.	2019.04.26	10:14:50.1	48.4020	20.7334	0.0	-	EX	Szendró
277.	2019.04.28	05:52:30.8	48.2735	22.6820	7.8	1.6	EQ	Ukraine
278.	2019.04.29	01:09:50.1	45.6956	18.0062	3.1	2.0	EQ	Croatia
279.	2019.04.29	08:01:34.6	47.8040	19.8797	0.0	2.0	EX	Gyöngyöstarján
280.	2019.04.29	08:31:47.3	48.4079	19.1234	0.0	1.9	EX	Slovakia
281.	2019.04.29	09:51:50.0	48.2526	21.2182	0.0	1.8	EX	Tállya
282.	2019.04.29	10:00:14.3	48.1311	16.9799	0.0	2.0	EX	Austria
283.	2019.04.30	07:17:01.9	47.8987	20.0893	0.0	1.7	GT	Recsk
284.	2019.04.30	09:10:02.5	48.0178	20.7119	0.0	1.5	EX	Kisgyőr

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
285.	2019.04.30	09:14:47.8	46.1254	18.0152	0.0	-	GT	Bükkösd-II
286.	2019.04.30	09:53:28.6	48.5521	20.7993	0.0	1.5	EX	Tornanádaska
287.	2019.04.30	10:08:53.5	47.8987	20.0893	0.0	1.9	GT	Recsk
288.	2019.04.30	10:14:41.1	48.6683	21.4391	0.0	1.5	EX	Slovakia
289.	2019.05.01	09:03:53.0	45.5963	18.1932	0.0	-	EX	Croatia
290.	2019.05.01	09:15:11.8	45.6345	16.2530	1.0	2.3	EQ	Croatia
291.	2019.05.02	07:18:46.7	48.6196	20.7401	0.0	1.5	EX	Slovakia
292.	2019.05.02	08:29:22.7	47.9151	19.4088	0.0	1.5	GT	Szanda
293.	2019.05.02	08:47:14.9	47.8355	19.1270	0.0	-	GT	Sejce-Vác
294.	2019.05.02	10:11:33.1	48.8477	20.9610	0.0	1.7	EX	Slovakia
295.	2019.05.03	08:04:04.2	48.6478	20.8273	0.0	1.7	EX	Slovakia
296.	2019.05.03	09:53:39.2	47.4476	18.7066	0.0	1.9	EX	Etyek
297.	2019.05.03	10:24:05.3	48.4328	19.9046	0.0	2.0	EX	Slovakia
298.	2019.05.03	20:20:09.7	48.7627	19.4859	6.4	1.8	EQ	Slovakia
299.	2019.05.04	08:52:12.5	46.1765	18.2926	0.0	1.2	GT	Komló-II
300.	2019.05.06	10:01:08.6	47.3116	18.4110	0.0	-	EX	Zámoly
301.	2019.05.07	00:52:35.9	48.6329	19.3947	14.1	1.4	EQ	Slovakia
302.	2019.05.07	07:12:35.6	47.3300	17.6350	0.0	1.4	GT	Ugod
303.	2019.05.07	08:12:23.9	48.6230	20.7681	0.0	1.6	EX	Slovakia
304.	2019.05.07	08:27:10.3	47.3872	18.3902	0.0	1.5	EX	Gánt
305.	2019.05.07	08:33:22.4	45.5266	17.3281	6.6	2.2	EQ	Croatia
306.	2019.05.07	09:56:20.2	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
307.	2019.05.07	11:18:30.6	47.3378	18.3735	0.0	1.7	EX	Csákerény
308.	2019.05.08	09:44:23.6	47.0749	18.0326	0.0	1.3	EX	Balatonfűzfő
309.	2019.05.09	08:00:51.8	48.3843	20.6919	0.0	1.4	EX	Szuhogy
310.	2019.05.09	09:00:16.7	46.1254	18.0152	0.0	-	GT	Bükkösd-II
311.	2019.05.09	09:45:44.0	46.8548	17.2699	0.0	2.0	GT	Várvölgy
312.	2019.05.10	09:35:48.3	48.2470	21.2460	0.0	2.0	GT	Tállya
313.	2019.05.10	09:57:18.3	47.3486	18.3399	0.0	-	EX	Csákerény
314.	2019.05.10	10:03:49.8	48.5599	20.7719	0.0	1.6	EX	Tornanádaska
315.	2019.05.10	11:37:07.3	47.8355	19.1270	0.0	1.6	GT	Sejce-Vác
316.	2019.05.10	17:01:35.8	48.5659	20.7668	0.0	1.3	EX	Tornanádaska
317.	2019.05.13	07:57:32.0	48.5809	20.7610	0.0	1.6	EX	Slovakia
318.	2019.05.14	06:53:45.3	47.3286	18.4401	0.0	-	EX	Zámoly
319.	2019.05.14	09:21:57.7	48.6075	20.6748	0.0	1.6	EX	Slovakia
320.	2019.05.15	08:01:58.5	48.6813	20.8639	0.0	1.7	EX	Slovakia
321.	2019.05.15	08:09:29.3	48.3332	19.0166	0.0	1.8	EX	Slovakia
322.	2019.05.15	08:48:02.3	46.8548	17.2699	0.0	-	GT	Várvölgy
323.	2019.05.15	09:00:58.0	47.8987	20.0893	0.0	2.0	GT	Recsk
324.	2019.05.15	12:45:32.5	47.1089	19.4147	0.0	1.8	EX	Örkény
325.	2019.05.16	09:27:42.6	48.6246	20.7563	0.0	1.6	EX	Slovakia
326.	2019.05.16	09:46:04.3	47.2456	18.3417	0.0	1.1	EX	Moha
327.	2019.05.16	10:07:59.8	48.2470	21.2460	0.0	2.2	GT	Tállya
328.	2019.05.16	10:24:11.9	47.2302	18.2835	0.0	1.2	GT	Iszkaszentgyörgy
329.	2019.05.16	10:39:36.6	47.4125	18.2131	2.7	2.3	EQ	Pusztavám
330.	2019.05.16	10:53:19.0	47.3686	18.3934	0.0	1.5	EX	Gánt
331.	2019.05.17	07:00:25.9	47.5509	19.0057	8.8	2.6	EQ	Üröm
332.	2019.05.17	08:24:00.3	46.1254	18.0152	0.0	1.7	GT	Bükkösd-II
333.	2019.05.17	09:38:40.6	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
334.	2019.05.17	10:38:01.8	47.6480	18.5907	0.0	-	EX	Bajna
335.	2019.05.17	11:49:04.2	47.7130	18.5177	0.0	1.7	EX	Bajót

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
336.	2019.05.17	13:05:12.9	45.8557	17.2319	13.5	1.6	EQ	Croatia
337.	2019.05.18	01:30:24.3	47.6283	18.4630	3.1	1.2	EQ	Vértestolna
338.	2019.05.18	08:25:09.7	48.5955	20.7797	0.0	1.8	EX	Slovakia
339.	2019.05.19	11:46:18.9	45.6584	17.8929	0.7	1.9	EQ	Croatia
340.	2019.05.19	15:50:52.7	48.6291	19.3951	16.4	1.4	EQ	Slovakia
341.	2019.05.19	18:53:13.1	48.6213	19.3961	13.4	1.4	EQ	Slovakia
342.	2019.05.20	08:42:03.5	48.5870	20.7938	0.0	1.6	EX	Slovakia
343.	2019.05.20	10:09:14.6	46.9762	22.3200	0.0	2.2	EX	Romania
344.	2019.05.21	07:20:21.9	47.3861	18.3499	0.0	-	EX	Gánt
345.	2019.05.21	08:15:13.5	48.5784	20.7573	0.0	1.7	EX	Slovakia
346.	2019.05.21	08:34:00.3	48.5306	19.3485	0.0	1.8	EX	Slovakia
347.	2019.05.21	12:23:11.0	48.6168	18.7611	0.0	-	EX	Slovakia
348.	2019.05.21	23:36:49.5	47.5614	18.9591	7.6	1.6	EQ	Remeteszőlős
349.	2019.05.22	07:33:41.3	47.3777	18.3876	0.0	-	EX	Gánt
350.	2019.05.22	10:08:02.1	48.4568	19.1844	0.0	1.7	EX	Slovakia
351.	2019.05.22	10:25:23.5	47.5600	18.4573	0.0	1.7	GT	Tatabánya
352.	2019.05.24	08:08:27.3	46.1254	18.0152	0.0	1.7	GT	Bükkösd-II
353.	2019.05.24	08:37:07.5	48.2470	21.2460	0.0	-	GT	Tállya
354.	2019.05.24	18:31:22.6	47.8564	18.6495	5.0	1.4	EQ	Slovakia
355.	2019.05.25	00:57:10.0	47.8519	18.6067	11.5	1.3	EQ	Slovakia
356.	2019.05.27	09:57:54.9	47.8650	20.1529	0.0	-	GT	Kisnána
357.	2019.05.27	12:55:28.7	48.5816	20.8134	0.0	1.5	EX	Slovakia
358.	2019.05.28	07:13:29.2	47.9473	19.2138	0.0	-	EX	Tereske
359.	2019.05.28	08:32:50.4	48.5718	20.7404	0.0	1.5	EX	Slovakia
360.	2019.05.28	09:32:05.7	47.8437	19.8192	0.0	-	EX	Gyöngyöspata
361.	2019.05.29	07:51:06.1	46.9048	17.4167	0.0	-	EX	Tapolca
362.	2019.05.29	07:59:58.9	48.5613	20.7708	0.0	1.3	EX	Tornanádaska
363.	2019.05.29	08:28:59.3	47.3756	18.3539	0.0	-	EX	Gánt
364.	2019.05.29	08:59:01.8	47.8920	19.4049	0.0	1.6	GT	Bercel
365.	2019.05.29	22:52:19.2	47.8349	17.2733	6.3	2.2	EQ	Mosonmagyaróvár
366.	2019.05.30	07:43:19.3	47.5600	18.4573	0.0	1.2	GT	Tatabánya
367.	2019.05.30	08:05:27.0	48.2355	21.5542	0.0	1.9	EX	Viss
368.	2019.05.30	08:25:09.0	45.8525	18.3977	0.0	-	GT	Nagyharsány
369.	2019.05.30	09:51:09.7	48.5588	20.7651	0.0	1.8	EX	Komjáti
370.	2019.05.30	11:25:42.4	47.5600	18.4573	0.0	1.4	GT	Tatabánya
371.	2019.05.31	09:54:01.6	46.1254	18.0152	0.0	-	GT	Bükkösd-II
372.	2019.05.31	09:55:36.1	46.1254	18.0152	0.0	-	GT	Bükkösd-II
373.	2019.06.03	08:09:30.8	47.3238	17.6908	0.0	2.0	EX	Bakonykoppány
374.	2019.06.03	09:48:02.2	48.2470	21.2460	0.0	1.9	GT	Tállya
375.	2019.06.04	08:20:10.7	47.9978	19.8480	0.0	2.0	EX	Bátonyterenye
376.	2019.06.04	09:01:41.5	48.5097	20.7547	0.0	1.3	EX	Bódvarákó
377.	2019.06.04	09:50:17.4	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
378.	2019.06.04	10:59:22.9	48.8723	20.9202	3.9	2.0	EQ	Slovakia
379.	2019.06.05	08:55:48.8	48.5503	20.7673	0.0	1.4	EX	Komjáti
380.	2019.06.05	10:11:26.5	48.6562	19.9192	0.0	1.5	EX	Slovakia
381.	2019.06.06	05:57:31.6	47.3167	18.3081	0.0	-	GT	Magyaralmás
382.	2019.06.06	07:57:32.5	48.5202	19.3297	0.0	1.8	EX	Slovakia
383.	2019.06.06	08:20:00.5	48.5690	20.7642	0.0	1.3	EX	Slovakia
384.	2019.06.06	08:30:53.4	46.1071	18.1048	0.0	-	EX	Kővágóóttös
385.	2019.06.06	10:05:12.5	48.2470	21.2460	0.0	1.7	GT	Tállya
386.	2019.06.07	07:54:50.7	47.6992	18.5077	0.0	1.7	EX	Bajót

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
387.	2019.06.07	08:10:00.6	47.5815	16.3878	0.0	1.6	EX	Austria
388.	2019.06.07	10:22:00.2	48.5696	20.7883	0.0	1.7	EX	Slovakia
389.	2019.06.07	11:00:28.2	48.9580	20.9597	4.7	1.8	EQ	Slovakia
390.	2019.06.08	10:09:55.1	48.0061	19.6278	0.0	1.5	GT	Nagylóc
391.	2019.06.08	10:11:32.1	48.0061	19.6278	0.0	1.5	GT	Nagylóc
392.	2019.06.09	08:52:06.8	46.0901	17.0604	12.7	1.7	EQ	Croatia
393.	2019.06.10	07:36:08.7	48.5703	20.7772	0.0	1.3	EX	Slovakia
394.	2019.06.11	08:45:37.5	48.4723	20.8067	0.0	1.5	EX	Tornabarakony
395.	2019.06.11	09:23:26.6	47.3133	18.4386	0.0	-	EX	Zámoly
396.	2019.06.11	10:53:43.4	48.3854	19.9123	0.0	1.8	EX	Slovakia
397.	2019.06.12	10:00:52.9	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
398.	2019.06.12	10:48:51.8	48.2470	21.2460	0.0	1.9	GT	Tállya
399.	2019.06.13	07:46:57.8	47.7601	17.3943	0.0	-	EX	Lébény
400.	2019.06.13	12:59:19.5	47.8251	16.2467	11.9	1.5	EQ	Austria
401.	2019.06.13	17:47:06.0	47.8328	16.2440	12.0	1.8	EQ	Austria
402.	2019.06.14	06:52:22.2	46.1765	18.2926	0.0	-	GT	Komló-II
403.	2019.06.14	09:59:24.9	47.5454	16.4125	0.0	1.8	EX	Austria
404.	2019.06.14	10:34:46.4	47.8894	16.3322	11.7	1.0	EQ	Austria
405.	2019.06.14	11:42:07.5	48.4668	17.3763	0.0	1.7	EX	Slovakia
406.	2019.06.14	12:34:11.2	47.7783	16.1177	9.4	2.5	EQ	Austria
407.	2019.06.17	07:52:48.4	45.9011	16.2376	0.2	2.0	EQ	Croatia
408.	2019.06.17	09:53:05.0	48.5695	20.7753	0.0	1.4	EX	Slovakia
409.	2019.06.18	06:32:37.5	47.8987	20.0893	0.0	1.5	GT	Recsk
410.	2019.06.18	07:09:23.0	46.8548	17.2699	0.0	1.8	GT	Várvölgy
411.	2019.06.18	08:50:50.6	48.5575	20.8280	0.0	1.8	EX	Slovakia
412.	2019.06.18	08:59:51.5	47.9423	20.0599	0.0	1.8	EX	Mátraderecske
413.	2019.06.18	10:17:06.1	46.1254	18.0152	0.0	-	GT	Bükkösd-II
414.	2019.06.18	11:20:41.8	46.8548	17.2699	0.0	1.5	GT	Várvölgy
415.	2019.06.19	08:39:51.4	48.3152	19.0067	0.0	1.9	EX	Slovakia
416.	2019.06.19	09:34:49.3	48.7417	18.5871	0.0	1.9	EX	Slovakia
417.	2019.06.19	09:44:39.5	47.3723	18.3805	0.0	1.3	EX	Gánt
418.	2019.06.19	10:04:04.0	47.3631	18.4122	0.0	1.7	EX	Gánt
419.	2019.06.20	06:49:37.3	47.5600	18.4573	0.0	-	GT	Tatabánya
420.	2019.06.20	06:55:00.9	47.3727	18.4228	0.0	1.8	EX	Gánt
421.	2019.06.20	08:40:19.0	47.2726	18.4545	8.5	1.6	EQ	Pátka
422.	2019.06.20	10:30:48.6	46.1226	21.6875	11.0	1.2	EQ	Romania
423.	2019.06.21	08:49:11.1	46.1765	18.2926	0.0	-	GT	Komló-II
424.	2019.06.21	09:13:45.5	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
425.	2019.06.22	20:57:28.9	47.6201	20.3120	4.6	2.1	EQ	Heves
426.	2019.06.23	12:04:17.4	45.9408	17.1985	11.7	2.0	EQ	Croatia
427.	2019.06.23	14:09:43.5	47.6125	20.3062	3.7	2.5	EQ	Heves
428.	2019.06.24	02:37:44.0	47.8703	17.3339	4.0	1.4	EQ	Máriakálnok
429.	2019.06.24	03:08:53.1	47.8643	17.3366	7.8	2.2	EQ	Máriakálnok
430.	2019.06.24	08:29:45.1	46.1254	18.0152	0.0	-	GT	Bükkösd-II
431.	2019.06.24	08:38:39.8	48.5845	20.7740	0.0	1.7	EX	Slovakia
432.	2019.06.24	08:58:02.2	46.1765	18.2926	0.0	-	GT	Komló-II
433.	2019.06.24	09:16:26.0	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
434.	2019.06.24	10:30:12.8	47.8355	19.1270	0.0	1.3	GT	Sejce-Vác
435.	2019.06.25	07:17:52.1	47.3300	17.6350	0.0	1.6	GT	Ugod
436.	2019.06.25	07:27:25.3	46.8923	22.9037	1.9	1.7	EQ	Romania
437.	2019.06.25	07:32:55.7	47.8355	19.1270	0.0	1.6	GT	Sejce-Vác

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
438.	2019.06.25	08:28:51.4	47.9151	19.4088	0.0	1.8	GT	Szanda
439.	2019.06.25	11:41:29.6	48.5604	20.8611	0.0	1.6	EX	Slovakia
440.	2019.06.26	07:16:30.1	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
441.	2019.06.26	08:55:08.8	48.2902	18.5640	0.0	1.6	EX	Slovakia
442.	2019.06.26	09:09:34.5	48.5580	20.7307	0.0	1.3	EX	Bódvaszilás
443.	2019.06.27	07:29:14.0	46.1765	18.2926	0.0	-	GT	Komló-II
444.	2019.06.27	08:02:42.5	47.2302	18.2835	0.0	0.9	GT	Iszkaszentgyörgy
445.	2019.06.27	09:05:04.9	47.5600	18.4573	0.0	1.5	GT	Tatabánya
446.	2019.06.27	09:49:02.0	48.4497	20.9137	0.0	1.4	EX	Rakaca
447.	2019.06.27	13:18:41.1	47.1276	19.3539	0.0	1.5	EX	Tatárszentgyörgy
448.	2019.06.28	09:12:44.1	46.1859	16.0463	0.0	2.4	EX	Croatia
449.	2019.06.28	11:01:40.5	47.3471	18.4102	0.0	-	EX	Zámoly
450.	2019.07.01	07:36:39.7	47.2570	18.2740	0.0	1.1	EX	Kincsesbánya
451.	2019.07.01	08:00:48.7	48.2470	21.2460	0.0	1.7	GT	Tállya
452.	2019.07.01	08:19:52.8	48.6462	18.6218	0.0	1.7	EX	Slovakia
453.	2019.07.02	07:12:00.4	48.5976	20.9313	0.0	1.4	EX	Slovakia
454.	2019.07.02	07:54:27.6	47.8355	19.1270	0.0	1.7	GT	Sejce-Vác
455.	2019.07.02	09:08:59.9	47.8222	19.8572	0.0	-	GT	Gyöngyöstarján
456.	2019.07.03	05:43:58.1	47.8285	19.9317	0.0	-	GT	Gyöngyössolymos-II
457.	2019.07.03	08:57:08.8	48.5510	19.3412	0.0	1.9	EX	Slovakia
458.	2019.07.04	06:07:19.6	47.3650	18.3956	0.0	-	EX	Gánt
459.	2019.07.04	07:43:37.7	47.3642	18.3939	0.0	-	EX	Gánt
460.	2019.07.04	08:01:19.3	48.2215	18.7797	0.0	1.9	EX	Slovakia
461.	2019.07.04	08:03:53.9	48.5302	20.7791	0.0	1.2	EX	Tornaszentandrás
462.	2019.07.04	08:26:52.6	46.1765	18.2926	0.0	-	GT	Komló-II
463.	2019.07.04	09:11:45.1	47.2302	18.2835	0.0	1.4	GT	Iszkaszentgyörgy
464.	2019.07.04	10:18:38.3	46.1983	16.0789	0.0	1.6	EX	Croatia
465.	2019.07.04	13:10:15.7	46.8169	17.3619	0.0	1.4	EX	Nemesvita
466.	2019.07.04	17:49:50.8	48.5708	20.8417	0.0	1.5	EX	Slovakia
467.	2019.07.05	07:27:22.6	46.1845	16.0929	8.2	1.9	EQ	Croatia
468.	2019.07.05	07:39:15.9	47.3282	17.6376	0.5	1.7	EQ	Ugod
469.	2019.07.05	07:50:45.3	48.2470	21.2460	0.0	1.5	GT	Tállya
470.	2019.07.06	00:38:20.5	48.3849	22.9840	7.4	1.8	EQ	Ukraine
471.	2019.07.06	08:49:32.3	46.1765	18.2926	0.0	-	GT	Komló-II
472.	2019.07.08	08:09:49.9	46.1254	18.0152	0.0	-	GT	Bükkösd-II
473.	2019.07.08	08:28:28.4	48.6291	20.7291	0.0	1.4	EX	Slovakia
474.	2019.07.08	08:49:47.4	47.8634	18.8203	0.0	1.6	EX	Ipolydamásd
475.	2019.07.09	08:53:35.5	47.8355	19.1270	0.0	1.5	GT	Sejce-Vác
476.	2019.07.10	06:29:43.1	47.3566	18.2923	0.0	-	EX	Csókakő
477.	2019.07.10	11:13:15.3	48.5513	22.8789	5.8	2.3	EQ	Ukraine
478.	2019.07.11	06:24:05.2	48.1481	21.3339	0.0	1.7	EX	Bodrogkeresztúr
479.	2019.07.11	08:36:47.1	47.2619	18.3133	0.0	-	EX	Iszkaszentgyörgy
480.	2019.07.11	09:18:34.6	46.9411	22.3094	0.0	1.7	EX	Romania
481.	2019.07.11	09:20:27.9	48.5712	20.7704	0.0	1.2	EX	Slovakia
482.	2019.07.11	22:05:02.0	46.0154	16.1675	11.8	1.3	EQ	Croatia
483.	2019.07.12	07:12:00.1	47.3408	18.4321	0.0	-	EX	Zámoly
484.	2019.07.12	07:45:12.1	47.8920	19.4049	0.0	1.6	GT	Bercel
485.	2019.07.12	11:08:24.1	48.7852	21.1136	0.0	2.0	EX	Slovakia
486.	2019.07.13	07:27:37.8	46.7038	21.1319	1.7	1.9	EQ	Békéscsaba
487.	2019.07.13	12:37:39.9	47.4734	18.8593	9.8	1.4	EQ	Biatorbágy
488.	2019.07.13	12:41:12.5	47.4588	18.8640	6.4	2.5	EQ	Biatorbágy

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
489.	2019.07.13	12:42:31.2	47.4625	18.8631	8.2	1.2	EQ	Biatorbágy
490.	2019.07.13	12:46:39.8	47.4301	18.8425	9.7	-	EQ	Sóskút
491.	2019.07.13	13:13:24.2	47.3903	18.1817	1.8	1.0	EQ	Mór
492.	2019.07.14	05:17:04.0	46.0164	16.1712	8.4	1.5	EQ	Croatia
493.	2019.07.15	08:20:21.8	47.5600	18.4573	0.0	1.7	GT	Tatabánya
494.	2019.07.15	09:01:34.5	45.6159	17.2944	3.5	2.0	EQ	Croatia
495.	2019.07.15	14:42:22.2	48.5688	20.8187	0.0	1.4	EX	Slovakia
496.	2019.07.16	07:44:40.8	47.7147	18.4809	0.0	1.7	EX	Lábatlan
497.	2019.07.17	06:31:48.0	47.3528	18.4169	0.0	-	EX	Zámoly
498.	2019.07.17	06:42:36.3	47.3300	17.6350	0.0	-	GT	Ugod
499.	2019.07.17	07:15:29.3	48.6521	18.5702	0.0	1.4	EX	Slovakia
500.	2019.07.17	08:10:30.6	48.2470	21.2460	0.0	1.5	GT	Tálya
501.	2019.07.17	08:13:38.6	48.4511	21.4977	0.0	1.2	EX	Kishuta
502.	2019.07.17	09:05:25.0	48.5547	20.7685	0.0	1.3	EX	Komjáti
503.	2019.07.18	07:12:04.4	48.5566	19.3982	0.0	1.6	EX	Slovakia
504.	2019.07.18	07:24:51.9	46.1254	18.0152	0.0	-	GT	Bükkösd-II
505.	2019.07.18	09:18:35.1	46.9581	22.2849	0.0	1.9	EX	Romania
506.	2019.07.18	10:10:48.2	47.8358	19.1388	0.0	1.5	EX	Szendehely
507.	2019.07.19	08:13:40.0	47.2302	18.2835	0.0	1.2	GT	Iszkaszentgyörgy
508.	2019.07.19	08:31:40.3	48.2470	21.2460	0.0	1.9	GT	Tálya
509.	2019.07.19	10:18:54.5	45.9693	22.7203	15.1	1.9	EQ	Romania
510.	2019.07.19	13:06:01.8	46.1228	21.6949	4.8	1.2	EQ	Romania
511.	2019.07.20	15:50:44.8	47.4601	18.8476	4.9	0.9	EQ	Biatorbágy
512.	2019.07.22	07:12:36.6	47.8987	20.0893	0.0	1.8	GT	Recsk
513.	2019.07.22	09:29:25.2	48.7807	20.0910	0.0	1.6	EX	Slovakia
514.	2019.07.22	10:46:17.1	47.3640	18.4006	0.0	1.8	EX	Gánt
515.	2019.07.22	23:14:05.2	47.4863	19.8394	7.8	2.2	EQ	Jászfelsőszentgyörgy
516.	2019.07.24	05:53:19.3	47.3781	18.3818	0.0	2.0	EX	Gánt
517.	2019.07.24	07:23:02.1	47.3317	18.3558	0.0	-	EX	Csákberény
518.	2019.07.25	08:29:33.1	48.3680	19.1019	0.0	1.5	EX	Slovakia
519.	2019.07.26	11:14:21.2	46.1218	21.7011	5.0	1.6	EQ	Romania
520.	2019.07.27	06:29:07.5	46.1106	18.1015	0.0	1.5	EX	Kővágótöttös
521.	2019.07.27	09:21:04.6	45.9813	22.7659	16.1	1.5	EQ	Romania
522.	2019.07.27	09:21:47.0	45.9754	22.6921	7.0	1.5	EQ	Romania
523.	2019.07.28	07:23:02.4	46.2132	16.7114	7.6	2.0	EQ	Croatia
524.	2019.07.28	22:59:04.0	47.9702	17.0035	6.1	1.8	EQ	Austria
525.	2019.07.29	10:29:00.8	47.0949	18.0028	0.0	1.9	EX	Litér
526.	2019.07.30	09:32:35.2	48.5207	20.7495	0.0	1.4	EX	Bódvarákó
527.	2019.07.31	06:46:20.7	47.3125	18.4016	0.0	-	EX	Zámoly
528.	2019.07.31	08:17:47.5	47.3616	18.4097	0.0	1.9	EX	Gánt
529.	2019.07.31	10:30:56.6	47.4142	18.3614	0.0	-	EX	Gánt
530.	2019.07.31	11:04:53.6	48.5598	20.7680	0.0	1.5	EX	Tornanádaska
531.	2019.08.01	08:11:52.7	48.5664	20.7690	0.0	1.3	EX	Tornanádaska
532.	2019.08.01	12:14:16.4	48.2470	21.2460	0.0	1.6	GT	Tálya
533.	2019.08.02	07:54:52.1	48.2834	21.4960	0.0	1.3	EX	Bodrogolaszi
534.	2019.08.02	08:35:17.7	48.3276	19.8482	0.0	1.7	EX	Slovakia
535.	2019.08.02	08:44:48.2	46.1837	18.2806	0.0	-	EX	Komló
536.	2019.08.02	09:38:56.9	46.1254	18.0152	0.0	-	GT	Bükkösd-II
537.	2019.08.02	12:14:49.1	48.2904	21.5155	0.0	1.5	EX	Bodrogolaszi
538.	2019.08.02	17:50:26.5	47.7898	18.4210	0.9	1.5	EQ	Slovakia
539.	2019.08.02	22:34:32.4	45.9846	17.2022	1.7	2.0	EQ	Croatia

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
540.	2019.08.05	08:09:42.7	47.9151	19.4088	0.0	1.8	GT	Szanda
541.	2019.08.05	09:51:56.8	48.5537	20.4041	0.0	1.7	EX	Slovakia
542.	2019.08.05	15:58:06.3	46.0905	21.7061	3.9	1.4	EQ	Romania
543.	2019.08.06	08:12:29.9	48.5324	20.7697	0.0	1.3	EX	Komjáti
544.	2019.08.06	10:50:33.8	47.5851	20.0850	0.0	1.6	EX	Tarnaörs
545.	2019.08.06	11:04:23.5	47.9380	20.0596	0.0	1.8	EX	Parád
546.	2019.08.07	08:16:19.1	47.7791	19.0372	0.0	1.5	GT	Dunabogdány
547.	2019.08.07	08:37:37.9	48.6025	20.6841	0.0	1.4	EX	Slovakia
548.	2019.08.07	09:14:10.6	48.6218	21.4582	3.9	1.6	EQ	Slovakia
549.	2019.08.07	09:51:28.7	48.5904	20.8784	0.0	1.5	EX	Slovakia
550.	2019.08.07	09:55:15.1	46.1240	21.7809	0.0	2.0	EX	Romania
551.	2019.08.08	05:57:17.6	47.8285	19.9317	0.0	1.3	GT	Gyöngyössolymos-II
552.	2019.08.08	06:50:57.6	47.3493	18.4324	0.0	-	EX	Zámoly
553.	2019.08.08	11:19:38.1	47.8355	19.1270	0.0	1.6	GT	Sejce-Vác
554.	2019.08.08	11:53:05.5	47.9093	20.1324	0.0	1.6	EX	Recsk
555.	2019.08.09	08:51:31.8	48.5986	20.7095	0.0	1.4	EX	Slovakia
556.	2019.08.09	11:08:46.8	46.0761	22.0657	2.6	1.6	EQ	Romania
557.	2019.08.11	23:29:46.3	47.6224	20.3437	9.2	4.1	EQ	Átány
558.	2019.08.12	06:28:02.2	47.3256	18.3447	0.0	-	EX	Csákberény
559.	2019.08.12	07:22:41.5	47.3405	17.7124	0.0	-	EX	Bakonykoppány
560.	2019.08.12	09:26:45.5	48.3390	19.8628	0.0	1.5	EX	Slovakia
561.	2019.08.12	17:53:07.1	47.6239	20.3664	12.5	0.6	EQ	Átány
562.	2019.08.13	03:14:31.8	47.6710	20.3750	15.6	1.0	EQ	Tenk
563.	2019.08.13	03:53:00.1	47.6593	20.3809	13.4	1.0	EQ	Tenk
564.	2019.08.13	08:54:02.2	48.5273	20.7467	0.0	1.4	EX	Bódvaszilas
565.	2019.08.13	08:55:24.3	48.2470	21.2460	0.0	1.7	GT	Tállya
566.	2019.08.13	12:49:43.4	47.6530	20.3311	10.2	2.1	EQ	Tenk
567.	2019.08.13	19:06:31.5	47.6461	20.3100	12.0	0.9	EQ	Tenk
568.	2019.08.14	03:52:59.3	47.6379	20.3738	14.0	0.9	EQ	Átány
569.	2019.08.14	07:17:27.5	47.7361	20.3953	12.0	1.4	EQ	Füzesabony
570.	2019.08.14	09:47:35.6	47.6483	20.3762	14.0	1.3	EQ	Tenk
571.	2019.08.14	10:27:44.0	48.8783	20.3514	0.0	1.6	EX	Slovakia
572.	2019.08.14	10:40:00.9	48.8146	20.3479	0.0	1.5	EX	Slovakia
573.	2019.08.14	12:15:58.9	47.6434	20.3732	12.0	0.8	EQ	Tenk
574.	2019.08.14	18:02:55.9	47.6220	20.3628	9.8	0.9	EQ	Átány
575.	2019.08.14	21:41:37.8	47.6506	20.3860	13.8	0.6	EQ	Tenk
576.	2019.08.14	23:04:54.8	47.6552	20.3839	12.0	-	EQ	Tenk
577.	2019.08.15	08:57:18.9	46.1523	18.2950	0.0	-	EX	Mánfa
578.	2019.08.15	09:05:15.7	48.5494	20.7880	0.0	1.7	EX	Tornanádaska
579.	2019.08.15	10:39:52.4	47.5058	18.6440	0.0	-	EX	Bicske
580.	2019.08.16	06:11:09.4	47.8920	19.4049	0.0	1.5	GT	Bercel
581.	2019.08.16	06:24:23.4	46.8645	22.9101	0.0	1.7	EX	Romania
582.	2019.08.16	06:45:17.3	46.0558	22.8490	3.0	1.6	EQ	Romania
583.	2019.08.16	06:58:10.0	46.0334	22.8269	4.7	1.7	EQ	Romania
584.	2019.08.16	07:29:56.0	47.8322	19.1401	0.0	1.5	EX	Szendehely
585.	2019.08.16	08:21:14.2	47.0130	22.3170	0.0	1.6	EX	Romania
586.	2019.08.16	08:29:50.1	48.2470	21.2460	0.0	1.8	GT	Tállya
587.	2019.08.16	10:00:58.5	47.6056	16.3974	0.0	1.3	EX	Austria
588.	2019.08.16	22:11:34.3	47.6774	20.3292	7.0	1.4	EQ	Erdőtelek
589.	2019.08.17	08:19:47.5	47.6450	20.3778	14.1	1.0	EQ	Tenk
590.	2019.08.17	10:13:19.3	47.7147	20.3053	13.7	0.9	EQ	Erdőtelek

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
591.	2019.08.17	18:00:45.3	47.6545	20.3351	8.6	1.6	EQ	Tenk
592.	2019.08.17	21:54:28.0	47.6554	20.3791	16.6	1.1	EQ	Tenk
593.	2019.08.18	00:44:40.8	47.6233	20.3779	12.0	-	EQ	Átány
594.	2019.08.18	02:55:04.6	47.7120	20.4218	12.0	0.6	EQ	Dormánd
595.	2019.08.18	03:06:53.8	47.6327	20.3606	10.0	1.0	EQ	Átány
596.	2019.08.18	04:40:19.8	47.6432	20.3810	14.3	0.6	EQ	Átány
597.	2019.08.18	05:01:30.8	47.6837	20.3152	13.8	0.8	EQ	Erdőtelek
598.	2019.08.19	00:49:31.1	47.6461	20.3750	14.3	0.7	EQ	Tenk
599.	2019.08.19	07:49:25.1	48.6466	18.6023	0.0	1.6	EX	Slovakia
600.	2019.08.19	18:22:56.1	47.6435	20.3671	12.0	0.6	EQ	Tenk
601.	2019.08.19	20:32:30.5	47.6445	20.3825	13.7	0.7	EQ	Tenk
602.	2019.08.20	20:05:57.2	47.6399	20.3593	12.0	1.0	EQ	Tenk
603.	2019.08.20	23:13:03.2	47.6300	20.3806	12.0	-	EQ	Átány
604.	2019.08.21	00:45:43.1	47.6364	20.3749	14.8	1.0	EQ	Átány
605.	2019.08.21	02:19:05.8	47.6390	20.3740	13.9	0.9	EQ	Átány
606.	2019.08.21	04:52:39.6	48.4988	17.6153	5.0	2.0	EQ	Slovakia
607.	2019.08.21	08:31:43.5	47.1346	17.9816	0.0	-	EX	Hajmáskér
608.	2019.08.21	10:33:36.9	48.4303	19.5633	0.0	1.5	EX	Slovakia
609.	2019.08.21	13:39:41.1	47.4843	19.8246	7.2	2.2	EQ	Jászfelsőszentgyörgy
610.	2019.08.21	16:09:33.9	47.6369	20.3711	14.5	0.9	EQ	Átány
611.	2019.08.21	20:16:19.8	47.6369	20.3786	13.9	0.9	EQ	Átány
612.	2019.08.23	08:31:16.3	46.9614	22.2943	0.0	2.0	EX	Romania
613.	2019.08.23	09:10:09.3	46.8548	17.2699	0.0	2.0	GT	Várkölygy
614.	2019.08.23	09:25:53.6	48.2470	21.2460	0.0	2.0	GT	Tállya
615.	2019.08.23	19:33:14.1	47.6396	20.3905	13.5	0.7	EQ	Átány
616.	2019.08.24	04:35:59.9	46.7943	21.2765	1.7	1.8	EQ	Tarhos
617.	2019.08.24	08:55:54.6	48.0061	19.6278	0.0	1.5	GT	Nagylóc
618.	2019.08.25	02:34:32.6	47.6392	20.3845	13.5	0.5	EQ	Átány
619.	2019.08.26	08:17:18.5	47.3470	18.3785	0.0	-	EX	Csákberény
620.	2019.08.26	09:14:43.4	48.5736	20.7904	0.0	1.4	EX	Slovakia
621.	2019.08.26	21:55:51.2	47.6423	20.3408	8.8	1.0	EQ	Tenk
622.	2019.08.27	06:37:42.1	47.6417	20.3771	13.8	1.3	EQ	Átány
623.	2019.08.27	08:09:38.2	47.8972	19.8579	0.0	1.8	EX	Mátraszentimre
624.	2019.08.27	09:13:08.1	48.5754	20.8171	0.0	1.7	EX	Slovakia
625.	2019.08.27	11:36:26.9	48.5812	20.8710	0.0	1.6	EX	Slovakia
626.	2019.08.27	13:49:22.4	47.6420	20.3737	13.4	1.1	EQ	Tenk
627.	2019.08.27	15:47:47.8	47.6366	20.3301	12.0	-	EQ	Tenk
628.	2019.08.28	08:57:36.4	48.3411	19.8370	0.0	1.8	EX	Slovakia
629.	2019.08.28	09:49:36.1	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
630.	2019.08.28	10:03:19.7	47.8355	19.1270	0.0	1.4	GT	Sejce-Vác
631.	2019.08.29	06:56:01.9	46.0593	22.8350	0.0	1.6	EX	Romania
632.	2019.08.29	07:47:53.5	47.3639	18.3498	0.0	-	EX	Csákberény
633.	2019.08.29	08:22:24.3	46.1254	18.0152	0.0	-	GT	Bükkösd-II
634.	2019.08.29	08:33:52.5	48.2470	21.2460	0.0	1.8	GT	Tállya
635.	2019.08.29	08:39:54.7	46.0798	22.7420	0.0	1.5	EX	Romania
636.	2019.08.29	10:09:12.7	45.9767	22.6787	3.8	1.7	EQ	Romania
637.	2019.08.29	11:28:13.8	46.0807	22.0729	1.1	1.3	EQ	Romania
638.	2019.08.30	07:47:04.0	47.8355	19.1270	0.0	1.3	GT	Sejce-Vác
639.	2019.08.30	07:56:51.7	47.5600	18.4573	0.0	1.7	GT	Tatabánya
640.	2019.08.30	10:02:55.5	46.1309	21.5904	13.1	1.4	EQ	Romania
641.	2019.08.30	15:14:55.1	48.5859	22.8871	10.6	2.1	EQ	Ukraine

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
642.	2019.08.30	21:06:54.5	46.1213	16.6323	5.3	1.6	EQ	Croatia
643.	2019.08.30	22:14:55.1	46.1147	16.6276	6.4	1.4	EQ	Croatia
644.	2019.08.30	22:17:25.4	46.1066	16.6429	4.7	1.4	EQ	Croatia
645.	2019.08.30	22:19:21.3	46.1134	16.6231	6.9	1.5	EQ	Croatia
646.	2019.08.30	22:41:22.6	46.1011	16.6148	6.4	1.5	EQ	Croatia
647.	2019.08.31	00:53:38.0	46.1115	16.6455	3.7	1.9	EQ	Croatia
648.	2019.08.31	07:58:34.4	46.1071	16.6851	6.3	3.4	EQ	Croatia
649.	2019.08.31	08:18:29.8	46.1103	16.6359	5.0	2.0	EQ	Croatia
650.	2019.08.31	08:47:43.7	47.6221	20.1486	16.1	2.0	EQ	Boconád
651.	2019.08.31	13:50:04.4	47.6483	20.3843	13.9	1.3	EQ	Tenk
652.	2019.08.31	16:53:56.7	47.6443	20.3788	13.8	1.1	EQ	Tenk
653.	2019.09.01	20:08:09.5	47.6516	20.3937	12.0	-	EQ	Tenk
654.	2019.09.02	06:51:20.7	47.9151	19.4088	0.0	1.7	GT	Szanda
655.	2019.09.02	08:37:35.2	47.1413	17.9768	0.0	-	EX	Hajmáskér
656.	2019.09.02	10:45:12.5	45.7031	20.4899	3.8	3.0	EQ	Serbia
657.	2019.09.02	11:00:31.6	48.6170	20.1438	0.0	1.8	EX	Slovakia
658.	2019.09.03	00:32:09.4	47.6703	20.3507	13.5	0.5	EQ	Tenk
659.	2019.09.03	01:29:38.0	47.6514	20.3870	12.0	-	EQ	Tenk
660.	2019.09.03	08:43:36.9	48.5179	20.7385	0.0	1.4	EX	Bódvarákó
661.	2019.09.04	07:52:01.2	48.5215	20.7554	0.0	1.1	EX	Tornaszentandrás
662.	2019.09.04	08:12:19.2	47.8413	19.1396	0.0	1.6	EX	Szendehegy
663.	2019.09.04	08:46:45.0	47.1166	17.9621	0.0	1.9	EX	Litér
664.	2019.09.05	06:19:02.5	47.3490	18.4040	0.0	-	EX	Zámoly
665.	2019.09.05	07:19:10.3	48.0685	20.6822	0.0	1.4	EX	Bükkszentkereszt
666.	2019.09.05	07:28:01.3	48.5202	20.7735	0.0	1.3	EX	Tornaszentandrás
667.	2019.09.05	09:05:35.3	47.3730	18.3898	0.0	1.9	EX	Gánt
668.	2019.09.05	09:07:52.2	48.6679	19.9119	0.0	1.4	EX	Slovakia
669.	2019.09.05	21:51:13.4	48.5518	22.4213	4.7	1.7	EQ	Ukraine
670.	2019.09.06	07:18:18.0	48.2470	21.2460	0.0	-	GT	Tállya
671.	2019.09.06	11:04:21.0	48.3260	19.8678	0.0	1.9	EX	Slovakia
672.	2019.09.07	10:51:05.2	48.0061	19.6278	0.0	1.4	GT	Nagylóc
673.	2019.09.07	10:57:28.6	46.1381	18.9374	3.6	2.1	EQ	Bátmonostor
674.	2019.09.07	11:11:48.0	48.0061	19.6278	0.0	1.4	GT	Nagylóc
675.	2019.09.09	06:52:35.8	48.1021	21.3416	0.0	1.5	EX	Tarcal
676.	2019.09.09	08:57:07.3	46.1765	18.2926	0.0	-	GT	Komló-II
677.	2019.09.10	07:25:19.1	46.8356	22.9044	0.0	1.7	EX	Romania
678.	2019.09.10	07:34:41.7	47.3537	17.6722	0.0	1.8	EX	Bakonyszücs
679.	2019.09.10	14:25:57.3	47.1369	19.5561	0.0	1.7	EX	Mikebuda
680.	2019.09.11	08:18:41.0	48.6319	20.7933	0.0	1.7	EX	Slovakia
681.	2019.09.11	08:30:12.3	47.8650	20.1529	0.0	2.0	GT	Kisnána
682.	2019.09.12	07:07:38.0	47.3386	18.4253	0.0	-	EX	Zámoly
683.	2019.09.12	08:12:50.6	46.1159	18.0251	0.0	-	EX	Bükkösd
684.	2019.09.12	09:04:49.2	48.5730	20.7940	0.0	1.3	EX	Slovakia
685.	2019.09.12	09:13:28.0	48.2544	21.2324	0.0	1.8	EX	Tállya
686.	2019.09.12	09:52:21.1	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
687.	2019.09.12	09:58:15.3	48.4112	18.6201	0.0	1.8	EX	Slovakia
688.	2019.09.13	09:59:44.3	47.5600	18.4573	0.0	1.5	GT	Tatabánya
689.	2019.09.13	11:18:34.4	46.1220	21.7834	0.0	1.6	EX	Romania
690.	2019.09.13	12:31:32.6	46.1397	21.5593	11.2	1.1	EQ	Romania
691.	2019.09.13	17:40:41.6	46.1181	16.6604	15.4	3.1	EQ	Croatia
692.	2019.09.13	22:29:35.1	46.1162	16.6355	2.3	1.7	EQ	Croatia

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
693.	2019.09.14	09:55:46.4	47.3383	16.3840	0.0	1.7	EX	Austria
694.	2019.09.14	20:26:26.2	45.9646	21.7739	5.1	2.5	EQ	Romania
695.	2019.09.14	21:00:50.2	47.6351	20.2937	12.0	0.7	EQ	Tenk
696.	2019.09.15	02:21:55.7	47.6462	20.3615	15.1	0.9	EQ	Tenk
697.	2019.09.15	09:09:59.8	46.4638	16.4451	7.0	2.0	EQ	Croatia
698.	2019.09.16	08:59:02.1	46.8548	17.2699	0.0	2.1	GT	Várvölgy
699.	2019.09.16	09:22:32.5	48.3250	19.8855	0.0	1.6	EX	Slovakia
700.	2019.09.16	16:10:37.4	46.1133	21.6745	5.0	1.1	EQ	Romania
701.	2019.09.16	23:38:46.2	45.8198	17.1187	10.0	-	EQ	Croatia
702.	2019.09.16	23:39:49.9	46.0177	17.1893	14.7	1.3	EQ	Croatia
703.	2019.09.17	09:07:59.0	45.6745	17.4430	5.2	1.6	EQ	Croatia
704.	2019.09.17	10:21:58.5	47.3658	18.3769	0.0	-	EX	Gánt
705.	2019.09.17	10:39:37.0	47.3478	18.3974	0.0	-	EX	Zámoly
706.	2019.09.17	23:28:26.0	47.6365	20.3804	14.0	0.7	EQ	Átány
707.	2019.09.18	07:48:38.9	46.1151	18.0868	0.0	-	EX	Bakonya
708.	2019.09.18	12:32:16.9	45.6895	22.4346	0.0	1.3	EX	Romania
709.	2019.09.19	01:00:31.7	47.6547	20.3654	13.9	0.6	EQ	Tenk
710.	2019.09.19	08:23:39.0	47.8920	19.4049	0.0	1.8	GT	Bercel
711.	2019.09.19	11:28:27.6	47.6425	20.3711	13.5	1.1	EQ	Tenk
712.	2019.09.19	11:36:34.3	48.5095	20.3417	0.0	1.3	EX	Slovakia
713.	2019.09.20	06:40:04.4	48.0744	20.6526	0.0	1.2	EX	Bükkszentkereszt
714.	2019.09.24	00:21:16.0	45.9606	21.7608	10.3	1.0	EQ	Romania
715.	2019.09.24	07:48:26.0	48.0755	20.6453	0.0	1.5	EX	Bükkszentkereszt
716.	2019.09.24	08:51:25.4	46.0806	18.1500	0.0	-	EX	Cserkút
717.	2019.09.24	13:58:40.9	48.5906	20.7718	0.0	1.6	EX	Slovakia
718.	2019.09.24	18:40:05.2	47.6356	20.3646	15.1	1.0	EQ	Átány
719.	2019.09.25	06:31:48.1	47.8920	19.4049	0.0	1.8	GT	Bercel
720.	2019.09.25	07:45:57.9	47.5523	16.3782	0.0	1.6	EX	Austria
721.	2019.09.25	09:03:00.3	47.8355	19.1270	0.0	-	GT	Sejce-Vác
722.	2019.09.25	09:13:31.6	45.6118	17.2818	0.0	1.9	EX	Croatia
723.	2019.09.25	09:57:55.4	48.5847	20.8085	0.0	1.7	EX	Slovakia
724.	2019.09.25	19:09:51.5	47.6510	20.3782	12.0	-	EQ	Tenk
725.	2019.09.26	00:57:05.5	45.8206	21.0972	11.2	2.8	EQ	Romania
726.	2019.09.26	01:04:51.0	45.8350	21.1196	9.5	1.9	EQ	Romania
727.	2019.09.26	01:15:42.7	47.6439	20.3313	12.1	1.6	EQ	Tenk
728.	2019.09.26	08:49:22.0	48.5496	20.7898	0.0	1.4	EX	Tornanádaska
729.	2019.09.26	10:14:36.3	48.7039	21.4553	0.0	1.7	EX	Slovakia
730.	2019.09.26	11:09:37.0	47.3736	18.3533	0.0	-	EX	Gánt
731.	2019.09.27	08:44:48.4	47.5701	16.3844	0.0	1.7	EX	Austria
732.	2019.09.27	08:52:06.5	46.9227	22.7964	0.0	1.6	EX	Romania
733.	2019.09.27	11:06:01.1	48.2470	21.2460	0.0	1.8	GT	Tállya
734.	2019.09.28	17:59:17.7	47.6297	20.3746	14.3	0.7	EQ	Átány
735.	2019.09.30	07:32:18.3	47.9151	19.4088	0.0	1.9	GT	Szanda
736.	2019.09.30	09:23:40.5	48.5772	20.7308	0.0	1.7	EX	Slovakia
737.	2019.10.01	08:00:35.0	47.9564	20.3987	0.0	1.4	EX	Felsőtárkány
738.	2019.10.01	15:15:20.8	46.1200	21.5969	4.7	1.6	EQ	Romania
739.	2019.10.02	07:30:15.2	47.3284	18.4117	0.0	-	EX	Zámoly
740.	2019.10.02	07:36:41.4	48.4746	21.3794	0.0	1.5	EX	Telkibánya
741.	2019.10.02	10:05:31.5	48.6247	20.8689	0.0	1.4	EX	Slovakia
742.	2019.10.02	21:06:12.8	47.7799	16.2524	11.7	1.9	EQ	Austria
743.	2019.10.03	08:31:59.8	48.2357	18.7884	0.0	1.9	EX	Slovakia

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
744.	2019.10.03	08:35:58.1	46.1765	18.2926	0.0	-	GT	Komló-II
745.	2019.10.03	12:50:49.3	45.9330	16.9969	13.7	2.1	EQ	Croatia
746.	2019.10.04	07:43:05.7	48.1039	21.3639	0.0	1.6	EX	Tarcal
747.	2019.10.04	08:23:25.4	48.5428	20.7834	0.0	1.5	EX	Bódvalenke
748.	2019.10.04	10:08:25.3	47.5772	16.3975	0.0	1.9	EX	Austria
749.	2019.10.04	11:13:22.4	48.2470	21.2460	0.0	1.7	GT	Tállya
750.	2019.10.04	14:44:27.0	47.7508	19.7586	0.0	-	EX	Ecséd
751.	2019.10.07	09:46:35.3	46.8742	22.8641	0.0	1.7	EX	Romania
752.	2019.10.07	11:08:53.1	47.8355	19.1270	0.0	1.6	GT	Sejce-Vác
753.	2019.10.07	21:57:05.3	47.7460	18.3108	13.7	1.1	EQ	Dunaalmás
754.	2019.10.08	09:22:30.0	48.5465	20.8180	0.0	1.4	EX	Bódvalenke
755.	2019.10.09	08:03:44.0	47.3665	18.3820	0.0	1.9	EX	Gánt
756.	2019.10.09	09:07:28.2	48.6228	20.8499	0.0	1.5	EX	Slovakia
757.	2019.10.09	10:48:13.0	48.2470	21.2460	0.0	1.9	GT	Tállya
758.	2019.10.09	10:59:07.6	46.1293	21.6573	0.0	-	EX	Romania
759.	2019.10.10	01:35:06.9	46.1604	16.4480	10.4	1.7	EQ	Croatia
760.	2019.10.10	08:16:45.9	46.8548	17.2699	0.0	2.4	GT	Várvölgy
761.	2019.10.10	08:44:31.3	46.1765	18.2926	0.0	-	GT	Komló-II
762.	2019.10.10	09:12:57.5	48.5853	20.8125	0.0	1.2	EX	Slovakia
763.	2019.10.10	09:27:14.1	47.3279	18.3626	0.0	-	EX	Csákberény
764.	2019.10.11	09:59:12.7	46.8116	17.3301	0.0	1.5	EX	Lesencefalu
765.	2019.10.13	08:14:17.4	47.6458	20.3722	12.0	-	EQ	Tenk
766.	2019.10.14	07:12:13.4	47.5470	18.4460	0.0	-	EX	Szárliget
767.	2019.10.14	10:03:45.3	48.5330	20.7665	0.0	1.5	EX	Komjáti
768.	2019.10.14	10:05:26.6	47.8355	19.1270	0.0	1.4	GT	Sejce-Vác
769.	2019.10.14	20:24:59.9	45.9049	16.1263	10.0	1.4	EQ	Croatia
770.	2019.10.15	09:42:24.9	47.8987	20.0893	0.0	1.8	GT	Recsk
771.	2019.10.15	09:42:49.9	47.8987	20.0893	0.0	-	GT	Recsk
772.	2019.10.15	09:45:58.5	48.3014	19.8616	0.0	1.2	EX	Slovakia
773.	2019.10.16	07:05:53.2	47.3854	18.3137	0.0	-	EX	Csákberény
774.	2019.10.16	09:01:45.8	48.5153	20.7605	0.0	1.4	EX	Tornaszentandrás
775.	2019.10.16	09:59:49.7	46.9694	22.3206	0.0	1.5	EX	Romania
776.	2019.10.16	10:11:05.3	48.3518	21.4635	0.0	-	EX	Komlóska
777.	2019.10.16	10:38:53.1	48.3137	21.1156	0.0	1.0	EX	Encs
778.	2019.10.16	18:12:23.2	47.6439	20.3791	12.0	-	EQ	Tenk
779.	2019.10.17	08:36:41.8	46.1765	18.2926	0.0	-	GT	Komló-II
780.	2019.10.17	11:31:56.8	47.9072	20.1482	0.0	1.4	EX	Recsk
781.	2019.10.18	08:43:18.8	48.5361	20.7735	0.0	1.2	EX	Komjáti
782.	2019.10.18	09:13:57.0	48.0527	19.6742	0.0	1.4	EX	Sóshartyán
783.	2019.10.18	09:59:42.5	47.5599	18.4413	0.0	-	EX	Tatabánya
784.	2019.10.21	08:49:15.1	47.8355	19.1270	0.0	1.5	GT	Sejce-Vác
785.	2019.10.21	08:52:01.5	48.6249	20.8395	0.0	1.4	EX	Slovakia
786.	2019.10.21	09:13:21.9	46.1765	18.2926	0.0	-	GT	Komló-II
787.	2019.10.21	20:53:30.4	46.1491	21.6584	11.9	1.2	EQ	Romania
788.	2019.10.22	09:03:58.7	47.9349	20.4184	0.0	1.7	EX	Noszvaj
789.	2019.10.22	09:47:51.9	48.2470	21.2460	0.0	2.0	GT	Tállya
790.	2019.10.22	10:13:24.8	46.0734	22.0417	7.6	1.6	EQ	Romania
791.	2019.10.23	04:34:41.7	48.1714	19.0538	11.5	1.8	EQ	Slovakia
792.	2019.10.23	08:36:18.7	48.4221	22.6784	0.0	-	EX	Ukraine
793.	2019.10.23	09:50:11.7	48.5516	20.7849	0.0	1.6	EX	Tornanádaska
794.	2019.10.24	08:25:30.0	47.6691	18.5537	0.0	2.0	EX	Bajna

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
795.	2019.10.24	08:49:40.5	48.5725	20.8429	0.0	1.7	EX	Slovakia
796.	2019.10.24	11:06:27.8	46.9375	22.8156	0.0	-	EX	Romania
797.	2019.10.24	14:30:40.3	47.1325	19.3715	0.0	-	EX	Hernád
798.	2019.10.24	22:45:41.1	47.6273	20.3706	12.0	-	EQ	Átány
799.	2019.10.25	09:07:45.9	47.3909	18.7670	0.0	2.0	EX	Pusztazámor
800.	2019.10.25	09:36:37.6	47.2496	18.3586	0.0	-	EX	Sárkeresztes
801.	2019.10.25	12:40:29.5	47.9193	20.1210	0.0	1.3	EX	Recsk
802.	2019.10.26	02:08:59.2	47.7886	16.1588	10.6	2.1	EQ	Austria
803.	2019.10.26	07:06:15.2	48.4110	18.6412	0.0	2.1	EX	Slovakia
804.	2019.10.27	01:57:54.0	45.7463	18.0186	4.4	1.1	EQ	Croatia
805.	2019.10.27	17:36:41.7	47.6398	20.3798	12.0	-	EQ	Átány
806.	2019.10.28	08:13:03.8	47.3629	18.3478	0.0	2.2	EX	Csákberény
807.	2019.10.28	08:57:54.8	48.7416	20.8014	0.0	1.6	EX	Slovakia
808.	2019.10.28	10:12:08.7	46.0142	21.0496	1.2	1.8	EQ	Romania
809.	2019.10.29	10:08:08.0	48.6880	19.9320	0.0	1.5	EX	Slovakia
810.	2019.10.29	11:12:23.8	48.5567	20.7824	0.0	1.5	EX	Tornanádaska
811.	2019.10.30	03:14:21.9	47.6451	20.2381	12.0	-	EQ	Boconád
812.	2019.10.30	10:31:00.8	47.7010	18.5040	0.0	1.8	EX	Bajót
813.	2019.10.30	12:18:20.6	48.2459	21.2280	0.0	1.8	EX	Tállya
814.	2019.10.30	19:49:53.7	47.5745	16.5670	0.0	1.3	EX	Austria
815.	2019.10.31	09:58:29.1	48.1504	19.8965	0.0	-	EX	Slovakia
816.	2019.10.31	10:18:55.0	46.1768	18.2873	0.0	-	EX	Komló
817.	2019.10.31	13:07:23.4	47.6014	20.2640	16.3	1.6	EQ	Heves
818.	2019.11.01	00:17:43.0	47.6660	20.3856	12.0	-	EQ	Tenk
819.	2019.11.01	14:09:00.3	46.6457	22.5510	5.0	1.5	EQ	Romania
820.	2019.11.02	09:34:26.7	46.1765	18.2926	0.0	-	GT	Komló-II
821.	2019.11.04	09:48:12.2	47.2510	18.2905	0.0	1.5	EX	Iszkaszentgyörgy
822.	2019.11.05	10:09:13.7	45.9540	22.7062	8.4	1.6	EQ	Romania
823.	2019.11.05	10:38:14.4	48.3302	19.8880	0.0	1.8	EX	Slovakia
824.	2019.11.05	13:17:00.1	45.9613	22.6184	0.0	1.6	EX	Romania
825.	2019.11.05	13:45:19.7	47.8763	20.1729	0.0	1.5	EX	Tarnaszentmária
826.	2019.11.06	09:03:22.1	46.9110	22.7998	0.0	1.8	EX	Romania
827.	2019.11.06	09:26:28.1	48.5972	20.7566	0.0	1.6	EX	Slovakia
828.	2019.11.07	11:12:13.3	46.8365	17.2803	0.0	1.8	EX	Vállus
829.	2019.11.07	13:36:39.6	48.4245	20.7724	0.0	1.2	EX	Galvács
830.	2019.11.08	09:09:44.4	48.4117	20.7650	0.0	1.5	EX	Galvács
831.	2019.11.08	09:41:17.0	46.9559	22.2780	0.0	1.9	EX	Romania
832.	2019.11.08	09:47:15.5	47.2280	18.1867	0.0	-	EX	Bakonykúti
833.	2019.11.08	09:57:26.0	48.2470	21.2460	0.0	1.8	GT	Tállya
834.	2019.11.08	11:27:38.8	46.1175	21.7434	0.0	1.7	EX	Romania
835.	2019.11.08	11:57:01.0	46.9585	22.3255	0.0	1.5	EX	Romania
836.	2019.11.08	12:01:36.4	47.5600	18.4573	0.0	-	GT	Tatabánya
837.	2019.11.10	08:31:28.6	45.7228	18.9295	1.7	2.6	EQ	Serbia
838.	2019.11.11	08:48:44.3	47.3436	18.4256	0.0	-	EX	Zámoly
839.	2019.11.11	08:50:01.7	48.1172	21.3257	0.0	1.7	EX	Tarcal
840.	2019.11.12	05:46:22.1	47.5444	18.4363	2.4	2.3	EQ	Tatabánya
841.	2019.11.12	09:32:59.0	48.5126	20.7704	0.0	1.7	EX	Tornaszentandrás
842.	2019.11.13	02:29:28.0	47.7362	20.3893	15.9	1.0	EQ	Füzesabony
843.	2019.11.13	08:27:28.0	47.6549	20.3797	16.6	1.5	EQ	Tenk
844.	2019.11.13	11:19:25.7	47.8421	19.1170	0.0	1.8	EX	Szendehely
845.	2019.11.14	08:39:16.1	48.5024	20.7217	0.0	1.2	EX	Bódvarákó

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
846.	2019.11.14	08:41:02.4	47.8403	19.1424	0.0	1.5	EX	Szendehegy
847.	2019.11.14	10:04:59.2	47.8920	19.4049	0.0	1.8	GT	Bercel
848.	2019.11.14	10:54:18.6	48.5434	20.7883	0.0	1.4	EX	Bódvalenke
849.	2019.11.14	12:18:57.0	48.2470	21.2460	0.0	1.8	GT	Tállya
850.	2019.11.15	08:14:14.9	46.9148	22.7748	0.0	1.4	EX	Romania
851.	2019.11.17	20:21:45.4	47.6488	20.3723	13.6	0.6	EQ	Tenk
852.	2019.11.18	10:53:15.2	47.8987	20.0893	0.0	1.8	GT	Recsk
853.	2019.11.18	11:16:37.3	48.8740	20.5004	0.0	2.0	EX	Slovakia
854.	2019.11.19	07:33:52.0	46.8753	18.5630	5.0	1.6	EQ	Sárbogárd
855.	2019.11.19	09:22:54.6	48.5459	20.7747	0.0	1.3	EX	Komjáti
856.	2019.11.19	09:42:18.7	47.9311	19.8545	0.0	1.4	EX	Mátraszentimre
857.	2019.11.20	08:07:19.6	48.2395	21.2430	0.0	1.7	EX	Tállya
858.	2019.11.20	10:50:08.2	48.5897	20.7775	0.0	1.7	EX	Slovakia
859.	2019.11.20	13:40:44.4	47.8355	19.1270	0.0	-	GT	Sejce-Vác
860.	2019.11.21	10:30:53.4	48.2470	21.2460	0.0	1.9	GT	Tállya
861.	2019.11.21	12:30:43.5	48.1304	18.9185	0.0	1.6	EX	Slovakia
862.	2019.11.22	09:30:49.1	48.2303	21.1853	0.0	1.1	EX	Golop
863.	2019.11.22	10:04:17.6	48.5667	20.7903	0.0	1.5	EX	Tornanádaska
864.	2019.11.22	10:10:47.3	46.8564	22.8563	0.0	1.6	EX	Romania
865.	2019.11.22	13:56:51.0	45.9863	22.6981	0.0	1.9	EX	Romania
866.	2019.11.25	09:50:54.8	47.7791	19.0372	0.0	1.9	GT	Dunabogdány
867.	2019.11.26	04:10:50.0	46.1275	16.5717	6.3	2.4	EQ	Croatia
868.	2019.11.26	07:25:31.4	47.5065	18.0559	8.9	1.9	EQ	Kisbér
869.	2019.11.26	08:00:32.7	47.8285	19.9317	0.0	-	GT	Gyöngyössolymos-II
870.	2019.11.26	10:07:42.8	46.1765	18.2926	0.0	1.5	GT	Komló-II
871.	2019.11.26	11:33:02.8	48.5491	20.8181	0.0	1.5	EX	Bódvalenke
872.	2019.11.27	08:42:08.0	47.8355	19.1270	0.0	1.6	GT	Sejce-Vác
873.	2019.11.27	13:04:35.1	46.0957	22.0146	15.1	1.5	EQ	Romania
874.	2019.11.28	11:43:42.8	48.2470	21.2460	0.0	1.4	GT	Tállya
875.	2019.11.28	12:10:02.9	48.2470	21.2460	0.0	1.5	GT	Tállya
876.	2019.11.28	23:25:41.5	47.9897	20.6404	8.6	1.4	EQ	Kács
877.	2019.11.30	16:04:12.3	47.9884	20.6334	9.0	1.7	EQ	Kács
878.	2019.12.02	10:00:16.3	48.5797	20.7635	0.0	1.7	EX	Slovakia
879.	2019.12.02	11:40:02.4	47.7791	19.0372	0.0	1.8	GT	Dunabogdány
880.	2019.12.03	09:58:03.7	48.5412	20.7575	0.0	1.7	EX	Komjáti
881.	2019.12.04	10:29:20.8	48.5403	20.8024	0.0	1.6	EX	Bódvalenke
882.	2019.12.04	10:43:26.3	47.8355	19.1270	0.0	1.6	GT	Sejce-Vác
883.	2019.12.04	13:23:40.7	46.8229	17.2735	0.0	1.8	EX	Vállus
884.	2019.12.05	10:49:11.1	48.8549	20.4713	0.0	1.9	EX	Slovakia
885.	2019.12.05	13:14:08.2	47.9151	19.4088	0.0	1.9	GT	Szanda
886.	2019.12.06	19:03:48.8	47.9329	19.2537	5.8	1.8	EQ	Romhány
887.	2019.12.08	07:51:36.8	46.5748	17.4037	7.1	1.8	EQ	Marcali
888.	2019.12.09	10:05:02.3	48.5672	20.7793	0.0	1.7	EX	Tornanádaska
889.	2019.12.09	12:16:51.3	47.9146	20.1461	0.0	1.4	EX	Recsk
890.	2019.12.10	09:42:13.2	46.1765	18.2926	0.0	-	GT	Komló-II
891.	2019.12.10	10:36:33.5	48.5363	20.7770	0.0	1.6	EX	Komjáti
892.	2019.12.10	15:21:59.0	48.1752	19.0532	9.9	1.9	EQ	Slovakia
893.	2019.12.11	08:20:02.2	47.2847	17.5977	0.0	2.0	EX	Homokbödöge
894.	2019.12.11	10:08:37.6	47.8355	19.1270	0.0	-	GT	Sejce-Vác
895.	2019.12.11	11:00:36.5	48.1622	16.9559	0.0	2.2	EX	Austria
896.	2019.12.11	11:38:17.8	48.1550	19.8862	0.0	1.8	EX	Slovakia

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
897.	2019.12.12	07:40:46.2	47.2587	17.7534	0.0	-	EX	Bakonybél
898.	2019.12.12	09:44:56.8	47.9604	20.4035	0.0	1.4	EX	Felsőtárkány
899.	2019.12.12	10:21:25.3	48.5798	20.7619	0.0	1.7	EX	Slovakia
900.	2019.12.12	10:25:00.8	47.7040	18.5283	0.0	2.1	EX	Bajót
901.	2019.12.12	10:34:37.0	48.3297	19.8641	0.0	1.9	EX	Slovakia
902.	2019.12.12	12:02:31.6	46.1094	18.1075	0.0	1.4	EX	Kővágótöttös
903.	2019.12.12	12:14:58.3	46.1111	18.1026	0.0	1.4	EX	Kővágótöttös
904.	2019.12.12	13:14:54.9	47.6666	20.2744	9.3	1.6	EQ	Erdőtelek
905.	2019.12.13	11:33:52.5	47.5600	18.4573	0.0	-	GT	Tatabánya
906.	2019.12.13	16:57:44.1	47.4527	18.8927	5.5	3.0	EQ	Törökbálint
907.	2019.12.16	12:04:15.5	48.6002	20.9299	0.0	1.5	EX	Slovakia
908.	2019.12.17	00:28:07.2	45.8357	20.3425	7.0	3.5	EQ	Serbia
909.	2019.12.17	07:44:35.0	46.0603	22.8665	0.0	1.8	EX	Romania
910.	2019.12.17	07:45:50.3	46.0676	22.8479	0.0	1.5	EX	Romania
911.	2019.12.17	10:39:56.7	48.5441	20.7793	0.0	1.6	EX	Komjáti
912.	2019.12.17	12:26:11.8	48.6553	19.0952	0.0	1.8	EX	Slovakia
913.	2019.12.18	10:07:01.5	48.5671	20.7827	0.0	1.5	EX	Tornanádaska
914.	2019.12.19	08:52:12.2	48.7284	20.8118	0.0	1.7	EX	Slovakia
915.	2019.12.20	10:11:21.9	48.5885	20.7800	0.0	1.5	EX	Slovakia
916.	2019.12.20	12:21:52.5	48.8658	20.8876	0.0	1.8	EX	Slovakia
917.	2019.12.20	12:22:36.7	48.7456	20.7920	0.0	1.6	EX	Slovakia
918.	2019.12.21	14:51:47.3	48.6811	22.4431	11.2	2.3	EQ	Ukraine
919.	2019.12.23	06:56:31.3	46.0618	22.8151	0.0	1.8	EX	Romania
920.	2019.12.27	00:02:59.9	45.8430	16.1289	5.0	1.8	EQ	Croatia
921.	2019.12.29	04:33:55.6	48.0199	20.6522	6.4	1.5	EQ	Kisgyőr
922.	2019.12.29	21:02:46.1	47.3104	18.3361	5.9	1.4	EQ	Magyaralmás
923.	2019.12.31	03:13:25.0	45.8949	18.8637	5.0	2.7	EQ	Croatia

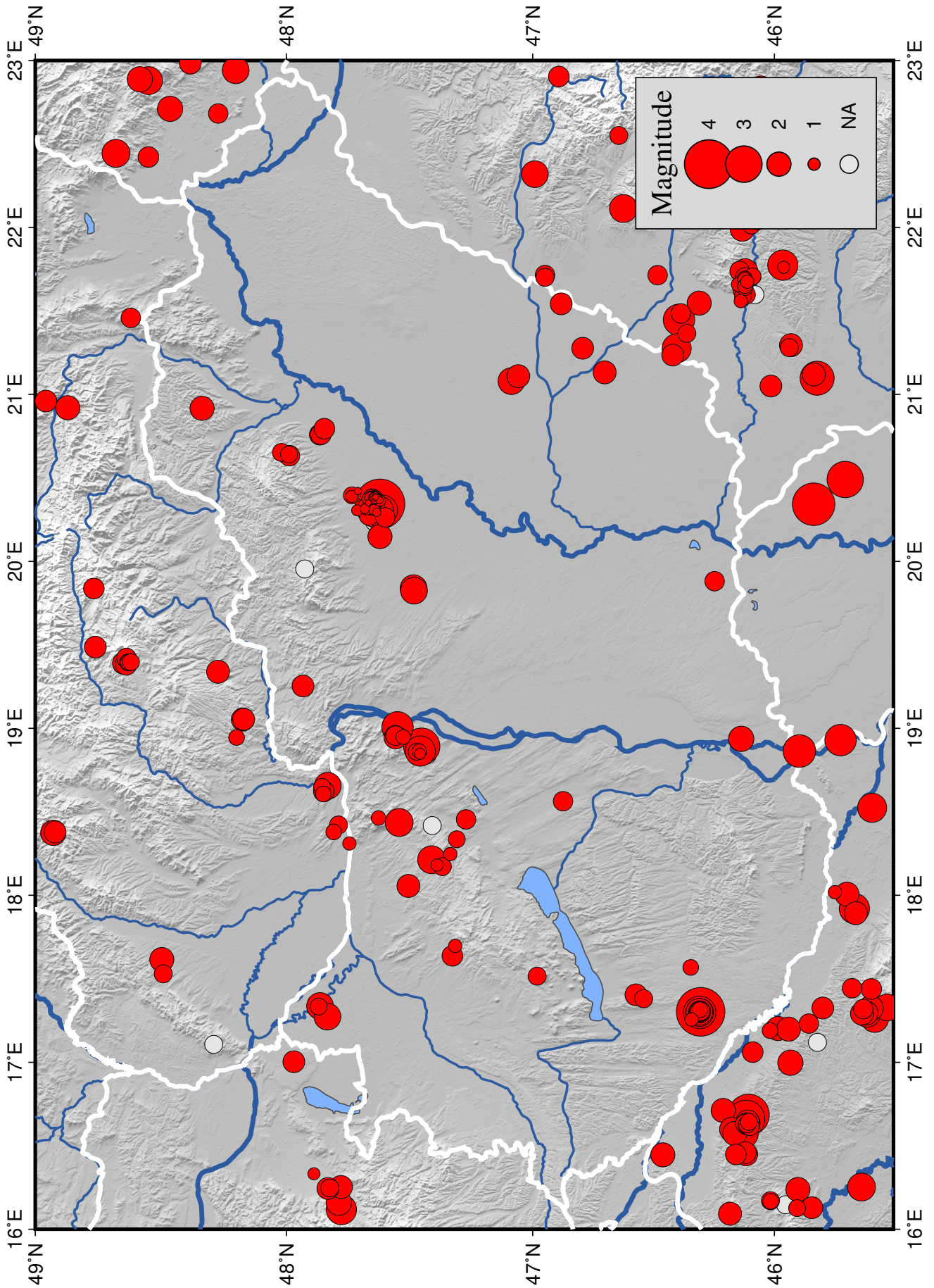


Figure 2.1: The epicenters of the located earthquakes in 2019. The earthquakes with unknown magnitudes are marked by gray circles.

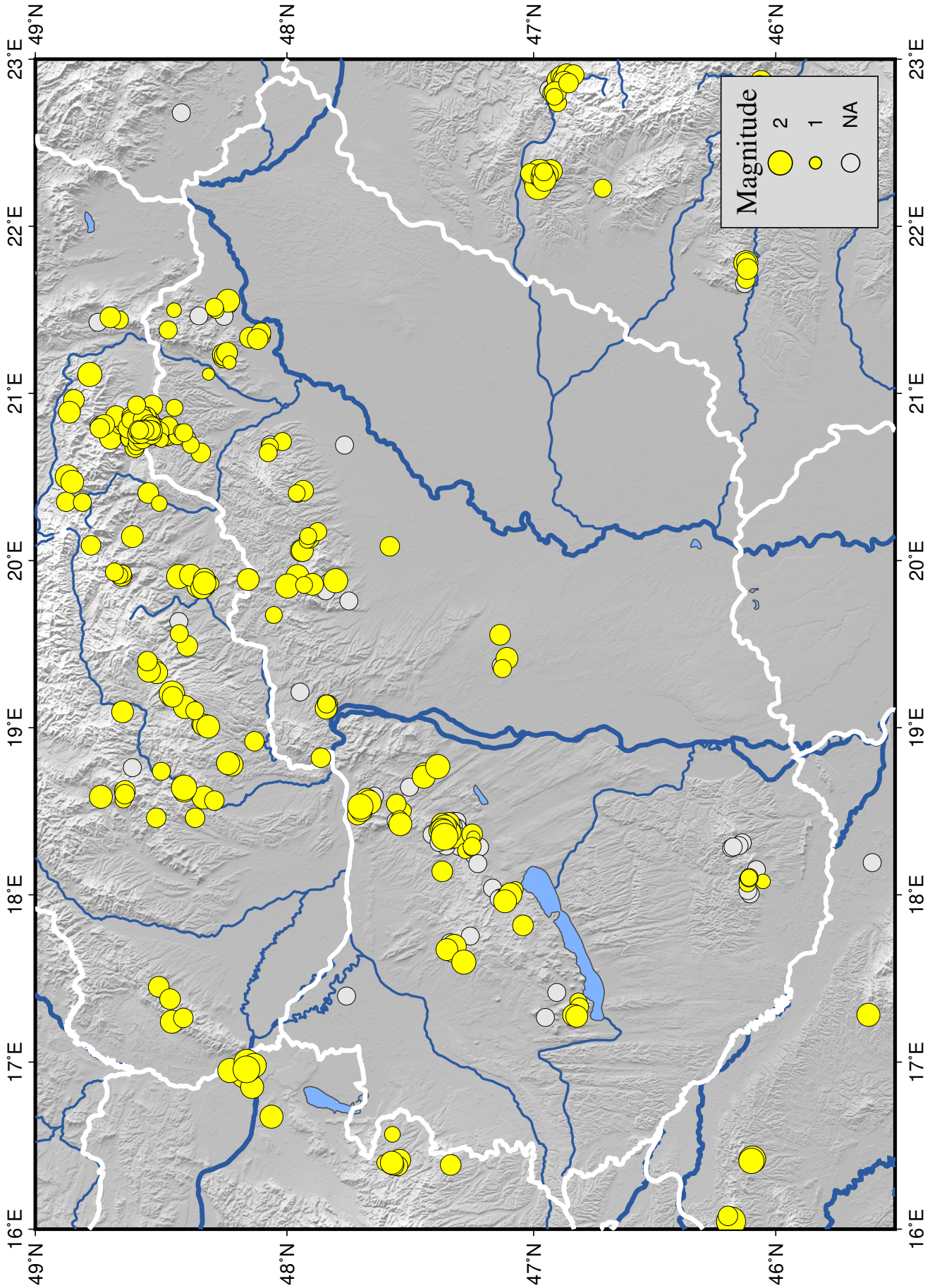


Figure 2.2: The epicenters of the located explosions in 2019. The explosions with unknown magnitudes are marked by gray circles.

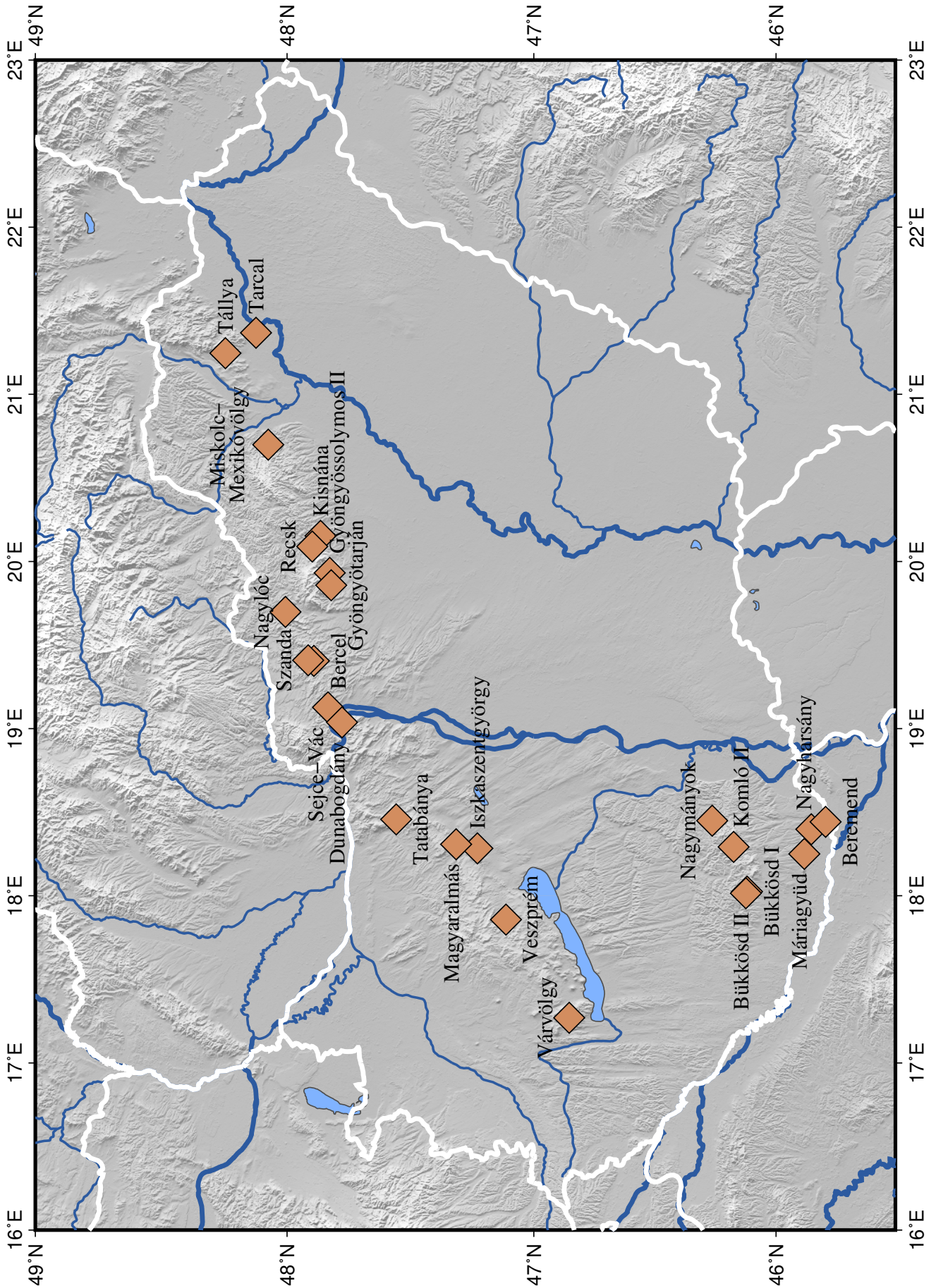


Figure 2.3: The location of the quarries with identified explosions (ground truth events).

3. Macroseismic data

During the year 2019 10 earthquakes have been felt by the public in the territory of Hungary (Table 3.1). After the earthquakes macroseismic questionnaires have been sent to the affected settlements, while surveys were also conducted on the website of the KRSZO. 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)
2019.02.17	14:40:44.3	46.3110	17.2990	14.0	2.7	IV
2019.02.22	18:57:52.4	47.6288	20.2919	7.4	2.3	IV
2019.03.07	19:07:54.0	46.3070	17.3020	14.4	4.0	V
2019.05.17	07:00:25.9	47.5509	19.0057	8.8	2.6	IV-V
2019.06.22	20:57:28.9	47.6201	20.3120	4.6	2.1	III
2019.06.23	14:09:43.5	47.6125	20.3062	3.7	2.5	II
2019.07.13	12:41:12.5	47.4588	18.8640	6.4	2.5	IV
2019.07.22	23:14:05.2	47.4863	19.8394	7.8	2.2	IV
2019.08.11	23:29:46.3	47.6224	20.3437	9.2	4.1	V
2019.12.13	16:57:44.1	47.4527	18.8927	5.5	3.0	IV

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

2019.02.17 14:40 – Somogyszob

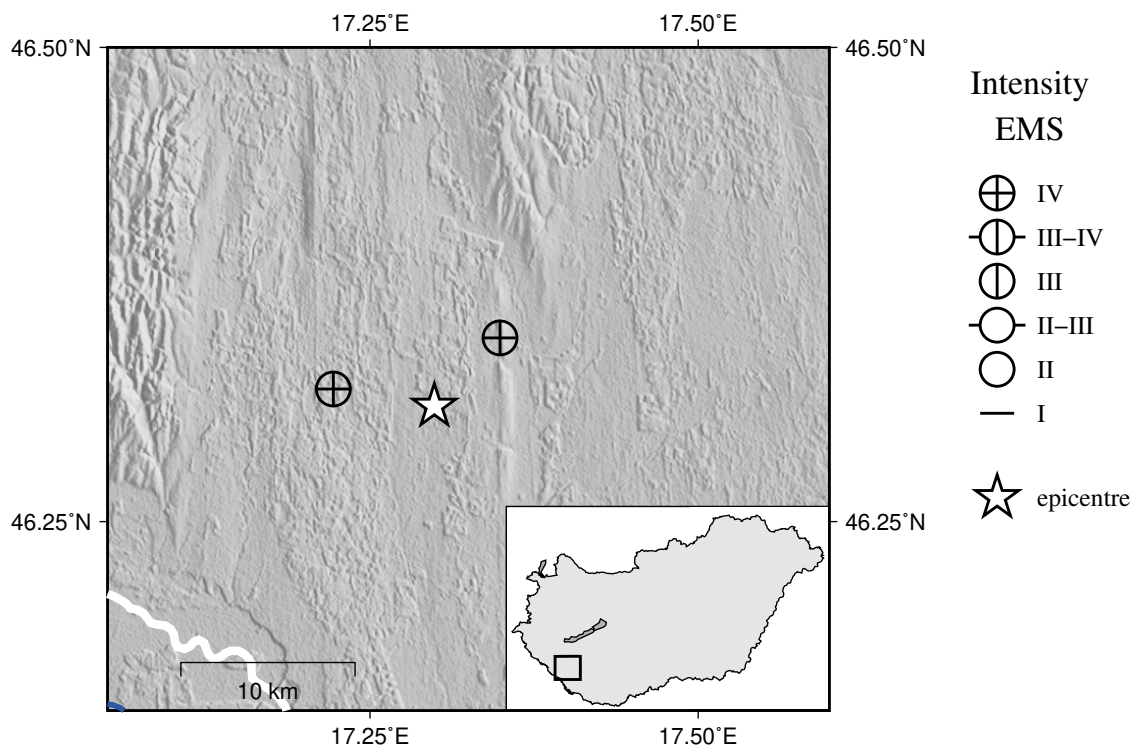


Figure 3.1:

EMS intensity distribution for the earthquake of 2019.02.17 14:40 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Kaszó	46.320	17.222	IV	1
Segesd	46.347	17.349	IV	3

Table 3.2:

Felt EMS intensities for the earthquake of 2019.02.17 14:40 UTC

2019.02.22 18:57 – Heves

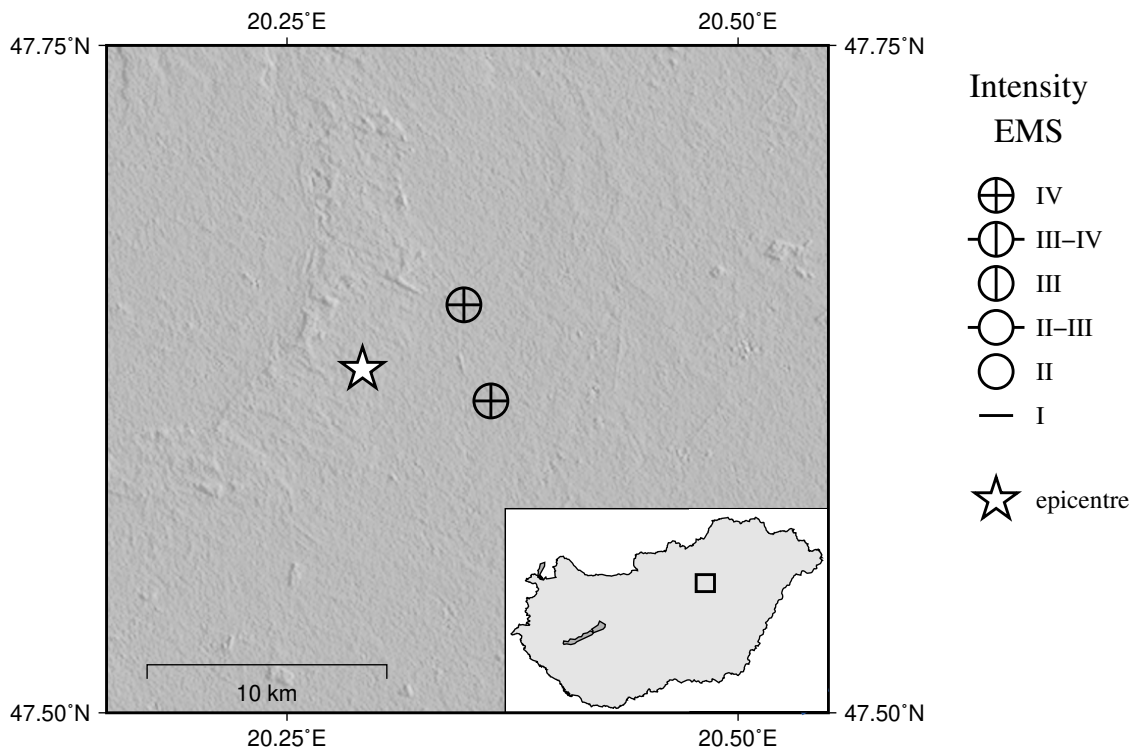


Figure 3.2:
EMS intensity distribution for the earthquake of 2019.02.22 18:57 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Átány	47.617	20.363	IV	4
Tenk	47.653	20.348	IV	2

Table 3.3:
Felt EMS intensities for the earthquake of 2019.02.22 18:57 UTC

2019.03.07 19:07 – Somogyszob

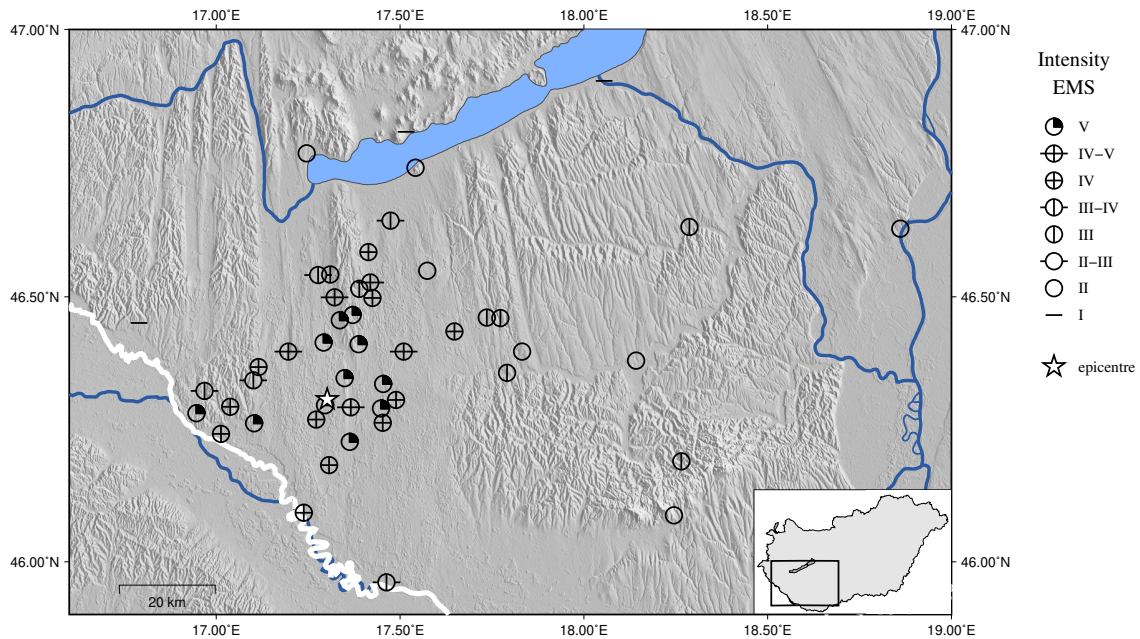


Figure 3.3:

EMS intensity distribution for the earthquake of 2019.03.07 19:07 UTC

Table 3.4: Felt EMS intensities for the earthquake of 2019.03.07 19:07 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Badacsonytomaj	46.809	17.516	I	1
Barcs	45.961	17.463	III-IV	3
Becsehely	46.451	16.790	I	1
Bolhás	46.269	17.272	IV	1
Böhönye	46.411	17.387	V	7
Csákány	46.541	17.277	III-IV	2
Csurgó	46.262	17.103	V	6
Dombóvár	46.380	18.142	II	1
Fonyód	46.742	17.542	II	1
Gadány	46.515	17.389	III	1
Gyékényes	46.242	17.013	IV	1
Iharos	46.343	17.101	III-IV	2
Iharosberény	46.368	17.115	IV	1
Inke	46.397	17.196	IV-V	1
Kaposvár	46.357	17.791	III	3
Kelevíz	46.527	17.419	IV-V	2
Keszthely	46.769	17.246	II	2
Kisbajom	46.306	17.489	IV	1
Komló	46.190	18.265	III	2
Kutas	46.336	17.454	V	1
Magyaregres	46.460	17.773	III	1
Marcali	46.584	17.414	IV	21
Mesztegyő	46.498	17.425	IV	2
Mezőcsokonya	46.435	17.648	IV	2
Nagyatád	46.227	17.363	V	12

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Nagybajom	46.397	17.510	IV-V	4
Nagykorpád	46.263	17.453	IV	1
Nagyszakácsi	46.499	17.322	IV-V	3
Ötvöskónyi	46.292	17.366	IV-V	1
Paks	46.628	18.861	II	1
Pécs	46.088	18.245	II	2
Porrog	46.293	17.038	IV	2
Pusztakovácsi	46.549	17.574	II	1
Segesd	46.347	17.349	V	6
Siófok	46.904	18.055	I	1
Somogyszentpál	46.643	17.474	III-IV	1
Somogyzob	46.296	17.296	V	7
Somogyzsitfa	46.542	17.310	III	1
Surd	46.323	16.968	III-IV	1
Szabás	46.290	17.448	V	1
Szenyér	46.466	17.371	V	1
Tamási	46.631	18.287	III	2
Tapsony	46.456	17.336	V	2
Tarany	46.183	17.307	IV	1
Toponár	46.397	17.832	II	1
Várda	46.461	17.736	III	1
Vése	46.414	17.292	V	1
Vízvár	46.093	17.238	IV	1
Zákány	46.281	16.946	V	1
Kalinovac (HR)	46.033	17.117	IV-V	1
Ludbreg (HR)	46.250	16.610	III	1
Slatina (HR)	45.702	17.701	III-IV	1
Ivanic-Grad (HR)	45.710	16.390	III	1

2019.05.17 07:00 – Üröm

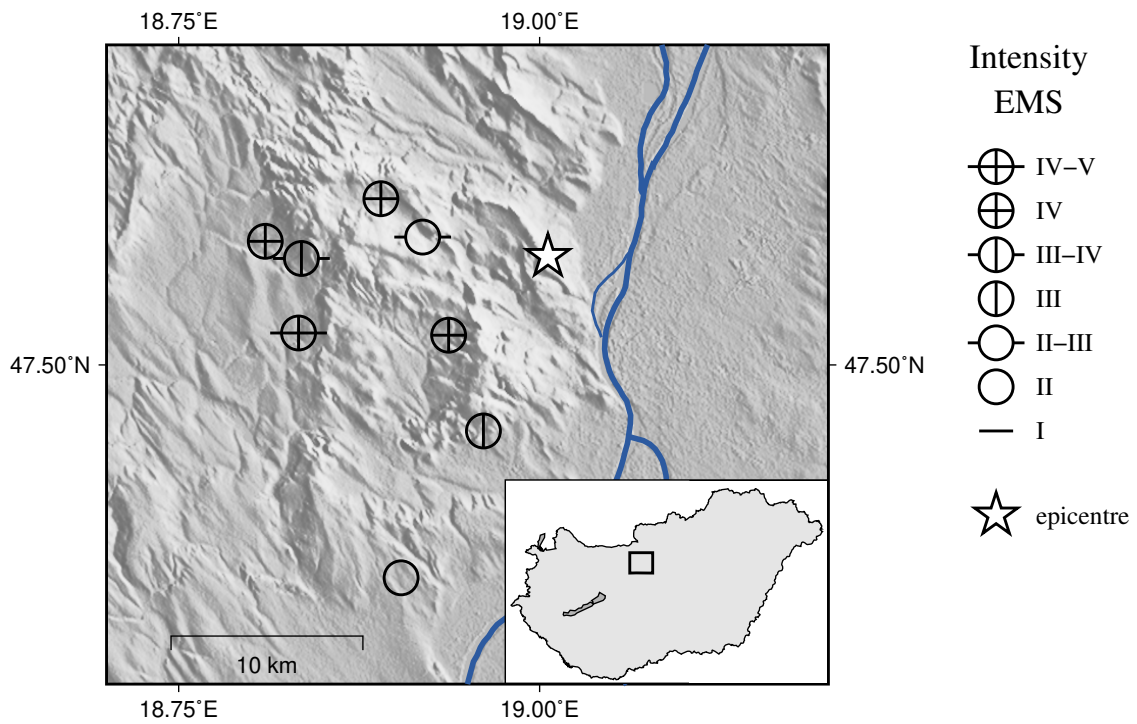


Figure 3.4:

EMS intensity distribution for the earthquake of 2019.05.17 07:00 UTC

Table 3.5: Felt EMS intensities for the earthquake of 2019.05.17 07:00 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Budajenő	47.558	18.810	IV	10
Budakeszi	47.514	18.937	IV	25
Budaörs	47.469	18.961	III	1
Budapest XI	47.46	19.04	II	1
Budapest XII	47.50	19.00	II	2
Érd	47.400	18.904	II	1
Nagykovácsi	47.578	18.890	IV	14
Páty	47.515	18.833	IV-V	37
Remeteszőlős	47.560	18.919	II-III	2
Telki	47.550	18.835	III-IV	3

2019.06.22 20:57 – Heves

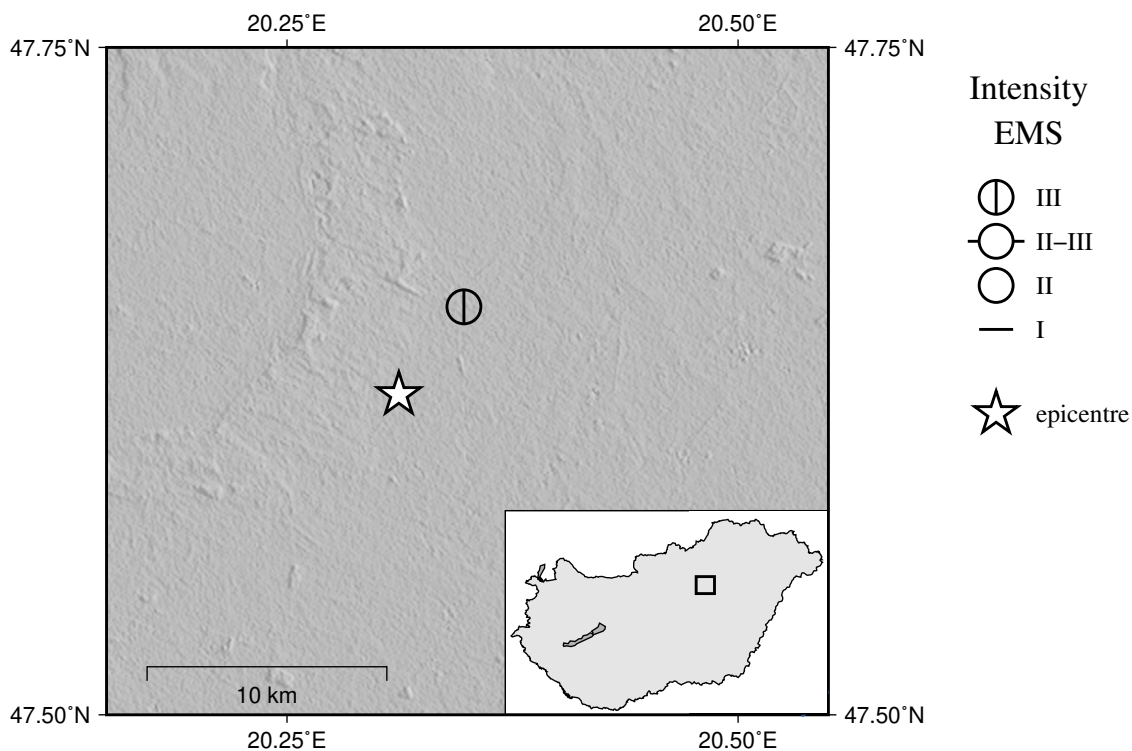


Figure 3.5:
EMS intensity distribution for the earthquake of 2019.06.22 20:57 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Tenk	47.653	20.348	III	1

Table 3.6:
Felt EMS intensities for the earthquake of 2019.06.22 20:57 UTC

2019.06.23 14:09 – Heves

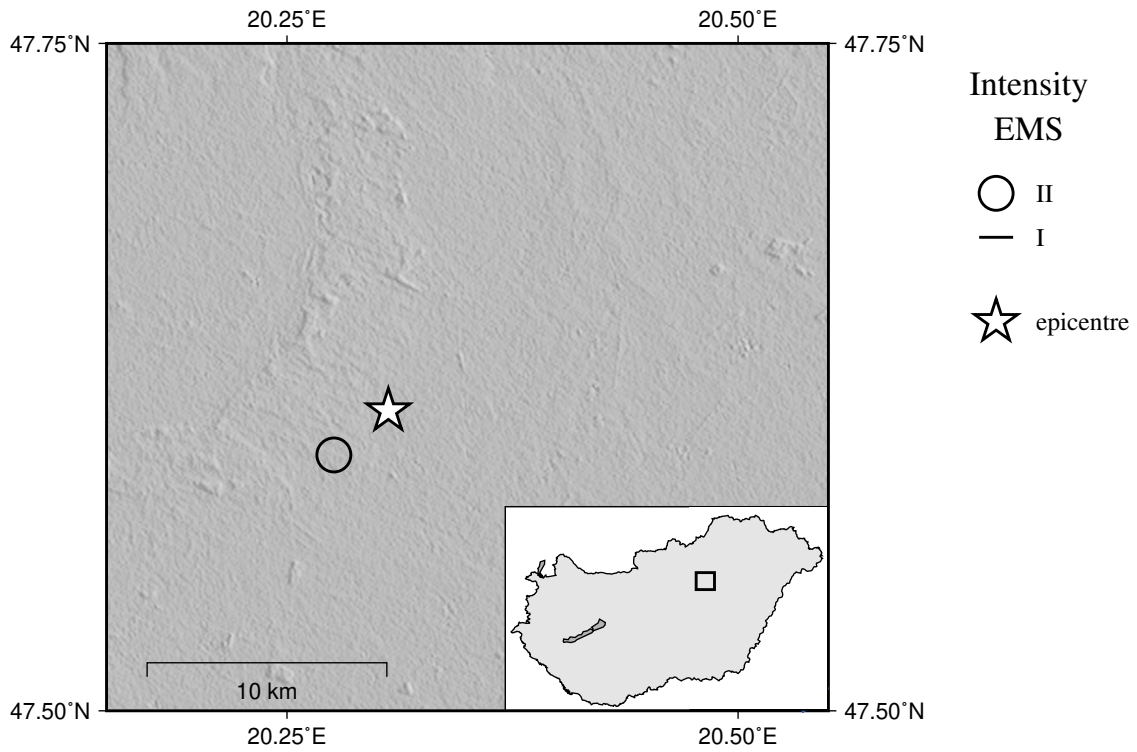


Figure 3.6:
EMS intensity distribution for the earthquake of 2019.06.23 14:09 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Heves	47.596	20.276	II	1

Table 3.7:
Felt EMS intensities for the earthquake of 2019.06.23 14:09 UTC

2019.07.13 12:41 – Biatorbágy

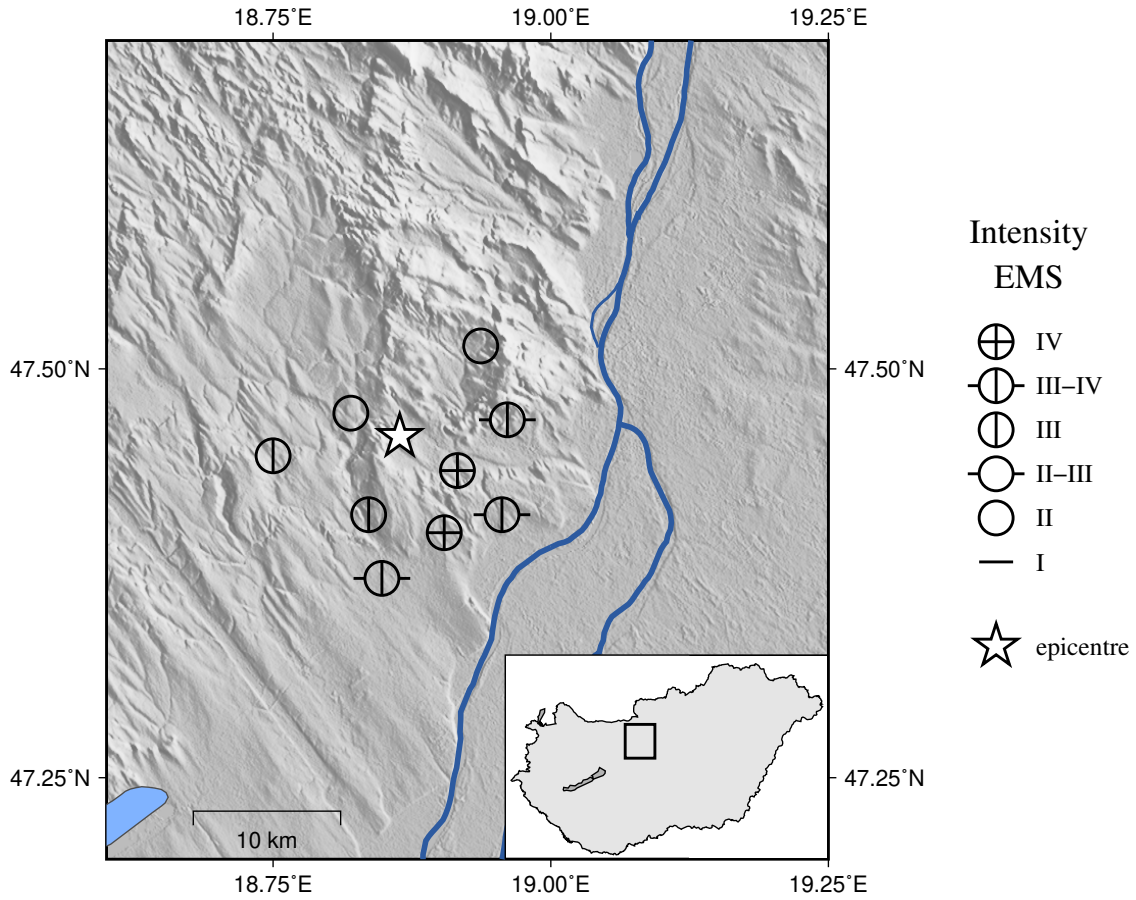


Figure 3.7:

EMS intensity distribution for the earthquake of 2019.07.13 12:41 UTC

Table 3.8: Felt EMS intensities for the earthquake of 2019.07.13 12:41 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Biatorbágy	47.473	18.820	II	1
Budakeszi	47.514	18.937	II	1
Budaörs	47.469	18.961	III-IV	5
Budapest I	47.51	19.03	II	1
Budapest XI	47.46	19.04	II	1
Budapest XII	47.50	19.00	II	2
Diósd	47.411	18.956	III-IV	2
Érd	47.400	18.904	IV	13
Etyek	47.447	18.750	III	2
Páty	47.515	18.833	Error	1
Sóskút	47.411	18.836	III	2
Tárnok	47.372	18.848	III-IV	1
Törökbálint	47.438	18.916	IV	10

2019.07.22 23:14 – Jászfelsőszentgyörgy

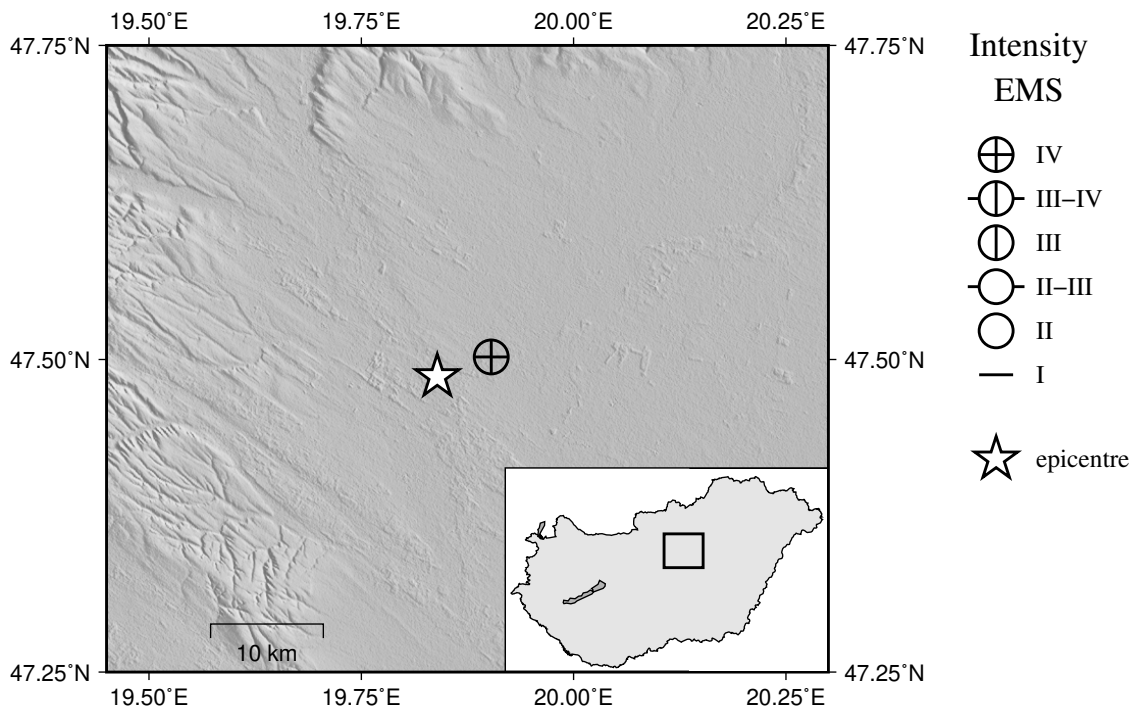


Figure 3.8:

EMS intensity distribution for the earthquake of 2019.07.22 23:14 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Jászberény	47.502	19.903	IV	7

Table 3.9:

Felt EMS intensities for the earthquake of 2019.07.22 23:14 UTC

2019.08.11 23:29 – Átány

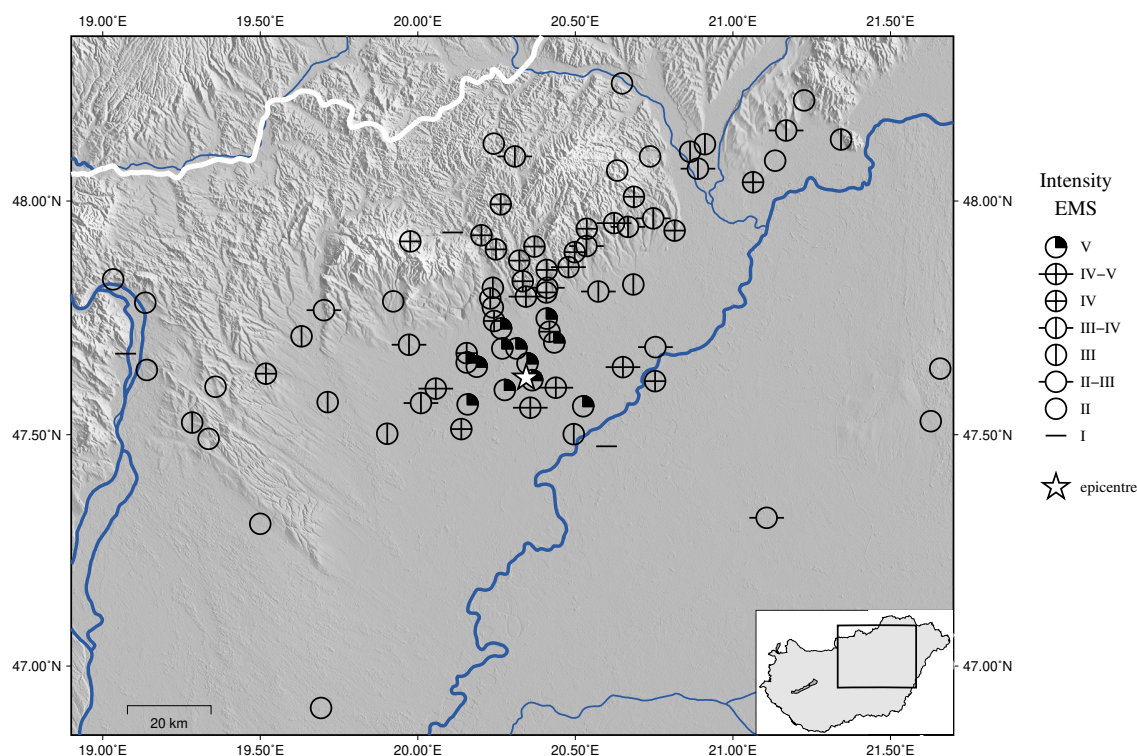


Figure 3.9:

EMS intensity distribution for the earthquake of 2019.08.11 23:29 UTC

Table 3.10: Felt EMS intensities for the earthquake of 2019.08.11 23:29 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Abádszalók	47.475	20.599	I	1
Adács	47.693	19.972	III-IV	1
Aldebró	47.792	20.230	III	1
Alsószolca	48.069	20.889	III-IV	1
Andornaktálya	47.853	20.409	IV	1
Átány	47.617	20.363	V	16
Balaton	48.095	20.308	III-IV	1
Bátor	47.993	20.263	IV	1
Bekecs	48.150	21.169	III-IV	1
Besenyőtelek	47.698	20.433	V	2
Boconád	47.646	20.187	V	5
Bocskai kert	47.642	21.658	II	1
Bogács	47.904	20.535	III-IV	2
Borsodnádasd	48.122	20.241	II	2
Budapest II	47.54	19.00	II	1
Budapest IX	47.47	19.10	II	1
Budapest XI	47.46	19.04	II	4
Budapest XVIII	47.44	19.19	II	2
Budapest XIX	47.46	19.12	II	1
Budapest XXI	47.42	19.07	II	1
Bükkszentkereszt	48.065	20.633	II	1
Cserépfalu	47.941	20.536	IV	2

Locality	Latitude ($^{\circ}$ N)	Longitude ($^{\circ}$ E)	Intensity (EMS)	N
Debrecen	47.529	21.628	II	2
Demjén	47.829	20.333	IV	1
Dormánd	47.721	20.418	IV	1
Dunakeszi	47.639	19.140	II	1
Eger	47.903	20.370	IV	34
Egerszalók	47.873	20.322	IV	2
Egerszólát	47.897	20.248	IV	1
Emőd	47.937	20.815	IV	1
Erdőtelek	47.685	20.313	V	6
Feldebrő	47.815	20.238	III	2
Felsőzsolca	48.105	20.864	III	2
Füzesabony	47.749	20.409	V	13
Gödöllő	47.603	19.358	II	1
Gyöngyös	47.786	19.922	II	1
Harsány	47.963	20.747	III-IV	2
Heréd	47.711	19.631	III	1
Heves	47.596	20.276	V	45
Hevesvezekény	47.558	20.357	IV-V	1
Hévízgyörk	47.631	19.518	IV	1
Jászapáti	47.512	20.138	IV	7
Jászberény	47.502	19.903	III	1
Jászdózsa	47.568	20.010	III-IV	3
Jászfényszaru	47.570	19.714	III	1
Jászszentandrás	47.565	20.158	V	9
Kács	47.953	20.623	IV-V	1
Kál	47.728	20.264	V	3
Kazincbarcika	48.250	20.648	II	2
Kecskemét	46.909	19.693	II	1
Kerecsend	47.796	20.343	IV-V	2
Kisgyőr	48.009	20.686	IV	2
Kisköre	47.501	20.495	III	1
Kompolt	47.744	20.242	IV	1
Kömlő	47.601	20.438	IV-V	2
Maklár	47.805	20.408	IV	1
Mezőkeresztes	47.822	20.684	III	1
Mezőkövesd	47.807	20.573	III-IV	4
Miskolc	48.095	20.737	II	8
Monorierdő	47.308	19.5	II	1
Nagytálya	47.815	20.411	II-III	1
Nagytarcsa	47.526	19.284	III	1
Novaj	47.859	20.478	IV-V	3
Onga	48.121	20.911	III	1
Parádsasvár	47.914	19.976	IV	1
Pécel	47.491	19.336	II	1
Petőfibánya	47.767	19.702	II-III	2
Poroszló	47.645	20.651	IV-V	2
Püspökladány	47.321	21.107	II-III	1
Rátka	48.214	21.226	II	1
Recsk	47.933	20.111	I	1
Sály	47.945	20.667	III-IV	1
Sirok	47.927	20.202	IV	1
Szentendre	47.674	19.073	I	1

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Szomolya	47.891	20.498	IV	1
Taktaharkány	48.086	21.134	II	1
Tarcal	48.131	21.343	III	1
Tarnaméra	47.655	20.155	V	7
Tarnaörs	47.599	20.057	IV-V	3
Tarnazsadány	47.675	20.155	IV	1
Tenk	47.653	20.348	V	12
Tiszafüred	47.615	20.753	IV	3
Tiszalúc	48.040	21.064	IV	1
Tiszanána	47.561	20.525	V	1
Tiszavalk	47.688	20.754	II-III	1
Tófalu	47.773	20.238	II	1
Vác	47.783	19.135	II	2
Verőce	47.833	19.033	II	1

2019.12.13 16:57 – Törökbálint

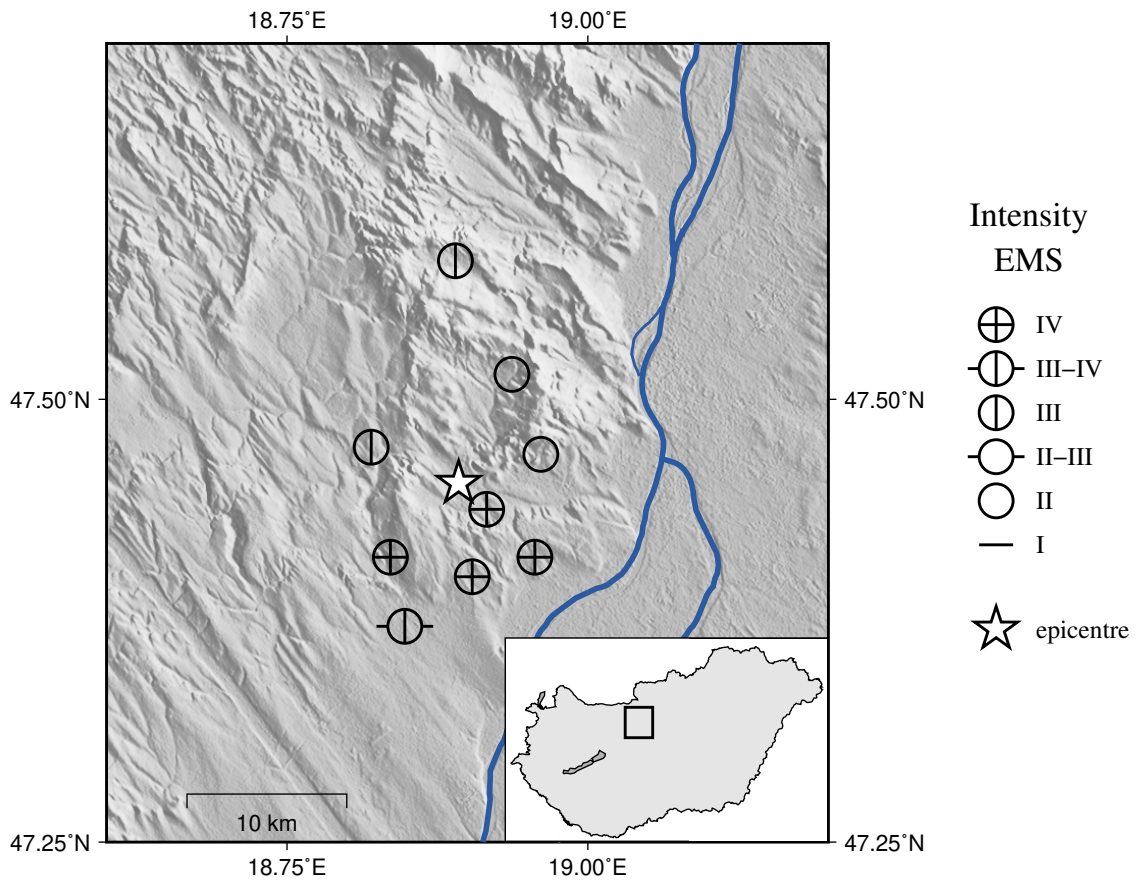


Figure 3.10:
EMS intensity distribution for the earthquake of 2019.12.13 16:57 UTC

Table 3.11: Felt EMS intensities for the earthquake of 2019.12.13 16:57 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Biatorbágy	47.473	18.820	III	2
Budakeszi	47.514	18.937	II	1
Budaörs	47.469	18.961	II	4
Budapest XI	47.46	19.04	II	2
Budapest XII	47.50	19.00	II	1
Diósd	47.411	18.956	IV	9
Érd	47.400	18.904	IV	18
Felcsút	47.453	18.594	II-III	1
Nagykovácsi	47.578	18.890	III	1
Sóskút	47.411	18.836	IV	2
Tárnok	47.372	18.848	III-IV	2
Törökbálint	47.438	18.916	IV	11

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
 2019/01/04 09:03:03.77 1.14 0.82 48.5887 20.8074 8.7 4.0 9 0.0S 14 7 149 0.24 1.31 m sx BUD 15282737 iLoc 186
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.6 0.2 6 ILOC 15282737

Sta	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	243.8	Pg	09:03:08.757	0.0					T__	18.1	662.7		---	MLv	1.8	15282739	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.24	243.8	Lg	09:03:12.827	0.2					T__				---		15282740	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Station ML : 1.8 1																									
ABAH	0.41	135.3	Pg	09:03:12.852	0.6					T__	1.6	75.6		---	MLv	1.3	15282741	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.41	135.3	Lg	09:03:17.429	-1.9					T__				---		15282742	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.3 1																									
PSZ	0.91	222.6	Pg	09:03:23.300	0.4					T__		0.1		---		15282743	FDSN	IR	--	ISC	iLoc	???	???	_	
PSZ	0.91	222.6	Pn	09:03:22.278	-0.6					T__	1.7	68.0		---	MLv	1.8	15282744	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.91	222.6	Lg	09:03:36.220	-0.2					T__				---		15282745	FDSN	GE	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.8 0																									
LANS	1.05	302.9	Pg	09:03:24.442	0.0					T__	3.1	37.2		---	MLv	1.7	15282746	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 1.7 1																									
HOLU	1.05	92.8	Pn	09:03:25.501	0.8					T__				---		15282747	FDSN	UA	--	BUD	iLoc	MHZ	???	_	
HOLU	1.05	92.8	Sn	09:03:41.579	-0.1					T__				---		15282748	FDSN	UA	--	BUD	iLoc	MHZ	???	_	
TRPA	1.24	111.0	Pg	09:03:27.796	0.1					T__	1.7	24.4		---	MLv	1.6	15282749	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
TRPA	1.24	111.0	Sn	09:03:45.606	-0.6					T__				---		15282750	FDSN	HU	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.6 1																									
VYHS	1.31	266.6	Pn	09:03:29.263	0.8					T__	1.3	8.6		---	MLv	1.2	15282751	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.31	266.6	Sn	09:03:47.044	-1.1					T__				---		15282752	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
 2019/01/05 07:27:09.28 1.22 1.21 47.0872 21.0795 6.5 5.1 44 4.6F 12.1 35 16 77 0.91 3.21 m ke BUD 15282779 iLoc 99

Magnitude Err Nsta Author OrigID
 ML 2.2 0.2 10 ILOC 15282779

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
SIRR	0.91	153.8	Sn	07:27:41.117	-0.3					T__				---		15282781	FDSN	IR	--	ISC	iLoc	???	???	_	
SIRR	0.92	153.7	Pg	07:27:28.347	0.7					T__	4.0	74.9		---	MLv	1.9	15282782	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.92	153.7	Sn	07:27:41.642	0.0					T__				---		15282783	FDSN	RO	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.9 1																									
DRGR	1.16	104.2	Pg	07:27:31.787	-0.3					T__	4.4	126.4		---	MLv	2.2	15282784	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	1.16	104.2	Sn	07:27:46.791	-1.0					T__				---		15282785	FDSN	RO	--	BUD	iLoc	BHN	???	_	
(Station ML : 2.2 1																									
PSZ	1.16	316.4	Pg	07:27:32.404	-0.9					T__	8.2	243.9		---	MLv	2.5	15282786	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	1.16	316.4	Lg	07:27:48.578	-1.0					T__				---		15282787	FDSN	GE	--	BUD	iLoc	BHE	???	_	
(Station ML : 2.5 0																									
ABAH	1.21	5.1	Pg	07:27:32.667	-0.2					T__	5.2	110.1		---	MLv	2.2	15282788	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	1.21	5.1	Lg	07:27:49.973	-0.6					T__				---		15282789	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 2.2 1																									
MESR	1.28	86.5	Pg	07:27:35.017	0.9					T__				---		15282790	FDSN	IR	--	ISC	iLoc	???	???	_	
MESR	1.28	86.5	Lg	07:27:53.030	1.1					T__				---		15282791	FDSN	IR	--	ISC	iLoc	???	???	_	

TRPA	1.44	42.9	Pg	07:27:36.952	0.3	T__	1.7	22.2	---	MLv	1.6	15282792	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
TRPA	1.44	42.9	Lg	07:27:56.237	-1.2	T__			---			15282793	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.6 0																				
KECS	1.45	344.2	Pg	07:27:37.627	-0.5	T__	2.9	95.4	---	MLv	2.3	15282794	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
(Station ML : 2.3 1																				
MARR	1.46	105.6	Pg	07:27:36.813	-1.0	T__			---			15282795	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.46	105.6	Lg	07:27:57.651	-0.1	T__			---			15282796	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.52	151.2	Pg	07:27:37.608	-1.3	T__			---			15282797	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.52	151.2	Lg	07:27:58.133	-0.1	T__			---			15282798	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.52	165.6	Pg	07:27:37.940	-1.1	T__			---			15282799	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.52	165.6	Sn	07:27:56.838	0.8	T__			---			15282800	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.52	165.0	Pg	07:27:37.730	-1.3	T__	1.9	46.8	---	MLv	2.0	15282801	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 2.0 1																				
BMR	1.74	69.5	Lg	07:28:05.333	-1.5	T__			---			15282802	FDSN	IR	--	ISC	iLoc	???	???	_
BMR	1.74	69.5	Lg	07:28:08.617	1.8	T__			---			15282803	FDSN	RO	--	BUD	iLoc	HHE	???	_
MORH	1.89	243.4	Pn	07:27:41.780	1.2	T__	1.6	15.5	---	MLv	1.7	15282804	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.89	243.4	Pg	07:27:46.883	0.5	T__			---			15282805	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.89	243.4	Lg	07:28:13.079	0.2	T__			---			15282806	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORH	1.89	243.4	Pn	07:27:41.338	0.7	T__			---			15282807	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.89	243.4	Sn	07:28:03.662	-1.0	T__			---			15282808	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.7 0																				
GZR	2.06	144.6	Pn	07:27:45.985	2.1	T__			---			15282809	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	2.06	144.6	Pg	07:27:46.499	-2.7	T__	2.4	58.5	---	MLv	2.4	15282810	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	2.06	144.6	Sn	07:28:10.658	1.0	T__			---			15282811	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 2.4 1																				
KOVH	2.28	245.2	Pg	07:27:54.075	-0.0	T__	2.5	48.7	---	MLv	2.5	15282812	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	2.28	245.2	Lg	07:28:26.974	2.1	T__			---			15282813	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 2.5 0																				
BURAR	2.86	77.9	Pn	07:27:57.412	2.0	T__			---			15282814	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	3.21	119.5	Pn	07:28:01.683	1.3	T__			---			15282815	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/01/05	07:34:26.77	3.68	0.69	47.0590	21.1087	56.3	21.2	36	10.0A		6	3	213	1.13	1.24	m	ke BUD	15327284	iLoc			312

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.0	3 ILOC	15327284

Sta	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	1.13	103.1	Pn	07:34:47.512	0.1					T__	1.7	57.3		---	MLv	1.9	15327286	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	1.13	103.1	Sn	07:35:02.623	-0.8					T__				---		15327287	FDSN	RO	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.9 1																									
PSZ	1.19	316.7	Pn	07:34:48.166	0.0					T__	1.3	40.9		---	MLv	1.8	15327288	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	1.19	316.7	Sn	07:35:04.048	-0.7					T__				---		15327289	FDSN	GE	--	BUD	iLoc	BHZ	???	_	
(Station ML : 1.8 1																									
ABAH	1.24	4.0	Pn	07:34:48.883	0.3					T__	1.6	47.3		---	MLv	1.9	15327290	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	1.24	4.0	Sn	07:35:05.015	-0.5					T__				---		15327291	FDSN	HU	--	BUD	iLoc	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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2019/01/06 06:46:19.34	0.19	0.45	46.6034	22.1358	1.6	1.1	119	5.3F	1.6	31	109	0.44	2.34	a	ke BUC	15266679	ISC	360	
2019/01/06 06:46:18.72	0.69	1.44	46.6265	22.1128	3.3	2.5	126	2.2F	7.4	86	25	90	0.44	3.03	m	ke BUD	15282878	iLoc	113

Magnitude	Err	Nsta	Author	OrigID
m1	2.1		BUC	15266679
ML	2.3	0.1	10 ILOC	15282878

Sta	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	67.9	Pg	06:46:27.900	0.2					T__		0.3				15282880	FDSN	IR	--	ISC	iLoc	???	???	_	
DRGR	0.44	67.9	Pb	06:46:28.111	0.4					T__						15282881	FDSN	IR	--	ISC	iLoc	???	???	_	
DRGR	0.44	67.9	Pb	06:46:28.111	0.4					T__		0.2				15282882	FDSN	IR	--	ISC	iLoc	???	???	_	
DRGR	0.44	67.9	Lg	06:46:33.858	-1.1					T__		0.2				15282883	FDSN	IR	--	ISC	iLoc	???	???	_	
DRGR	0.44	67.9	Lg	06:46:33.858	-1.1					T__						15282884	FDSN	IR	--	ISC	iLoc	???	???	_	
DRGR	0.44	67.9	Pg	06:46:27.668	-0.1					T__	11.1	269.0			MLv	2.0	15282885	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.44	67.9	Lg	06:46:33.441	-1.6					T__						15282886	FDSN	RO	--	BUD	iLoc	BHN	???	_	
(Station ML : 2.0 1																									
SIRR	0.48	221.3	Pg	06:46:28.400	-0.1					T__		0.3				15282887	FDSN	IR	--	ISC	iLoc	???	???	_	
SIRR	0.48	221.3	Pb	06:46:28.811	0.3					T__						15282888	FDSN	IR	--	ISC	iLoc	???	???	_	
SIRR	0.48	221.3	Pb	06:46:28.811	0.3					T__		0.2				15282889	FDSN	IR	--	ISC	iLoc	???	???	_	
SIRR	0.48	220.9	Pg	06:46:28.221	-0.3					T__	20.0	279.4			MLv	2.1	15282890	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.48	220.9	Lg	06:46:34.939	-0.9					T__						15282891	FDSN	RO	--	BUD	iLoc	BHE	???	_	
(Station ML : 2.1 1																									
BORR	0.52	334.3	Pg	06:46:29.846	0.6					T__						15282892	FDSN	IR	--	ISC	iLoc	???	???	_	
BORR	0.52	334.3	Pg	06:46:29.846	0.6					T__		0.9				15282893	FDSN	IR	--	ISC	iLoc	???	???	_	
BORR	0.52	334.3	Lg	06:46:36.847	-0.8					T__		0.9				15282894	FDSN	IR	--	ISC	iLoc	???	???	_	
BORR	0.52	334.3	Lg	06:46:36.847	-0.8					T__						15282895	FDSN	IR	--	ISC	iLoc	???	???	_	
MARR	0.69	85.6	Pg	06:46:32.754	0.2					T__						15282896	FDSN	IR	--	ISC	iLoc	???	???	_	
MARR	0.69	85.6	Pg	06:46:32.754	0.2					T__		0.2				15282897	FDSN	IR	--	ISC	iLoc	???	???	_	
MARR	0.69	85.6	Lg	06:46:41.803	-1.7					T__		0.2				15282898	FDSN	IR	--	ISC	iLoc	???	???	_	
MARR	0.69	85.6	Lg	06:46:41.803	-1.7					T__						15282899	FDSN	IR	--	ISC	iLoc	???	???	_	
SURR	0.87	179.5	Pg	06:46:35.933	0.4					T__						15282900	FDSN	IR	--	ISC	iLoc	???	???	_	
SURR	0.87	179.5	Pg	06:46:35.933	0.4					T__		0.1				15282901	FDSN	IR	--	ISC	iLoc	???	???	_	
SURR	0.87	179.5	Lg	06:46:47.149	-0.6					T__		0.1				15282902	FDSN	IR	--	ISC	iLoc	???	???	_	
SURR	0.87	179.5	Lg	06:46:47.149	-0.6					T__						15282903	FDSN	IR	--	ISC	iLoc	???	???	_	
DEV	0.92	143.3	Pg	06:46:36.989	0.8					T__	6.5	193.7			MLv	2.3	15282904	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DEV	0.92	143.3	Lg	06:46:50.322	1.2					T__						15282905	FDSN	RO	--	BUD	iLoc	BHN	???	_	
DEV	0.92	143.3	Pg	06:46:37.131	0.8					T__						15282906	FDSN	IR	--	ISC	iLoc	???	???	_	
DEV	0.92	143.3	Pg	06:46:37.131	0.8					T__		0.1				15282907	FDSN	IR	--	ISC	iLoc	???	???	_	
DEV	0.92	143.3	Pn	06:46:41.900	4.3					T__		0.2				15282908	FDSN	IR	--	ISC	iLoc	???	???	_	
DEV	0.92	143.3	Lg	06:46:48.639	-0.7					T__		0.1				15282909	FDSN	IR	--	ISC	iLoc	???	???	_	
DEV	0.92	143.3	Lg	06:46:48.639	-0.7					T__						15282910	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 2.3 1																									
CBRR	1.00	81.3	Pg	06:46:38.676	0.6					T__						15282911	FDSN	IR	--	ISC	iLoc	???	???	_	
CBRR	1.00	81.3	Pg	06:46:38.676	0.6					T__						15282912	FDSN	IR	--	ISC	iLoc	???	???	_	
CJR	1.03	84.6	Pn	06:46:39.409	0.2					T__						15282913	FDSN	IR	--	ISC	iLoc	???	???	_	
CJR	1.03	84.6	Pn	06:46:39.409	0.2					T__		0.2				15282914	FDSN	IR	--	ISC	iLoc	???	???	_	
CJR	1.03	84.6	Pn	06:46:39.728	0.5					T__	8.2	289.9			MLv	2.5	15282915	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
CJR	1.03	84.6	Pn	06:46:42.500	3.3					T__						15282916	FDSN	IR	--	ISC	iLoc	???	???	_	
CJR	1.03	84.6	Lg	06:46:52.392	-1.3					T__						15282917	FDSN	RO	--	BUD	iLoc	BHE	???	_	
(Station ML : 2.5 0																									
BZS	1.06	198.2	Pn	06:46:39.124	-0.3					T__	4.3	74.4			MLv	2.0	15282918	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	1.06	198.2	Lg	06:46:52.842	-1.1					T__						15282919	FDSN	RO	--	BUD	iLoc	BHN	???	_	
BZS	1.07	199.0	Lg	06:46:54.183	0.0					T__		0.1				15282920	FDSN	IR	--	ISC	iLoc	???	???	_	

BZS	1.07	199.0	Lg	06:46:54.183	0.0	T__				15282921	FDSN	IR	--	ISC	iLoc	???	???	_				
(Station ML : 2.0 0)																						
GZR	1.32	159.2	Pg	06:46:44.184	0.4	T__		0.2		15282923	FDSN	IR	--	ISC	iLoc	???	???	_				
GZR	1.32	159.2	Pg	06:46:44.184	0.4	T__				15282922	FDSN	IR	--	ISC	iLoc	???	???	_				
GZR	1.32	159.2	Sn	06:47:00.825	-1.4	T__				15282924	FDSN	RO	--	BUD	iLoc	BHN	???	_				
BMR	1.41	41.6	Pg	06:46:45.449	-0.5	T__	5.0	152.8		MLv	2.5	15282925	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
BMR	1.41	41.6	Sn	06:47:05.121	0.7	T__						15282926	FDSN	RO	--	BUD	iLoc	BHN	???	_		
BMR	1.41	41.5	Pn	06:46:45.225	0.7	T__						15282927	FDSN	IR	--	ISC	iLoc	???	???	_		
BMR	1.41	41.5	Pn	06:46:45.225	0.7	T__		0.2				15282928	FDSN	IR	--	ISC	iLoc	???	???	_		
BMR	1.41	41.5	Lg	06:47:05.379	-0.4	T__		0.2				15282929	FDSN	IR	--	ISC	iLoc	???	???	_		
BMR	1.41	41.5	Lg	06:47:05.379	-0.4	T__						15282930	FDSN	IR	--	ISC	iLoc	???	???	_		
(Station ML : 2.5 1)																						
BANR	1.42	209.0	Pg	06:46:45.968	-0.2	T__	4.3	462.1			MLv	3.0	15282931	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_	
(Station ML : 3.0 0)																						
TRPA	1.53	10.7	Pn	06:46:45.707	-0.3	T__	1.4	19.3			MLv	1.6	15282932	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
TRPA	1.53	10.7	Pg	06:46:48.503	0.6	T__						15282933	FDSN	HU	--	BUD	iLoc	BHZ	???	_		
(Station ML : 1.6 0)																						
ARCR	1.60	72.6	Pn	06:46:47.536	0.2	T__						15282934	FDSN	IR	--	ISC	iLoc	???	???	_		
ARCR	1.60	72.6	Pn	06:46:47.536	0.2	T__		0.1				15282935	FDSN	IR	--	ISC	iLoc	???	???	_		
ARCR	1.60	72.6	Sn	06:47:10.133	1.0	T__		0.1				15282936	FDSN	IR	--	ISC	iLoc	???	???	_		
ARCR	1.60	72.6	Sn	06:47:10.133	1.0	T__						15282937	FDSN	IR	--	ISC	iLoc	???	???	_		
ARCR	1.60	72.6	Lg	06:47:10.745	-0.7	T__						15282938	FDSN	RO	--	BUD	iLoc	BHN	???	_		
MDB	1.64	106.3	Pn	06:46:48.902	1.0	T__						15282939	FDSN	IR	--	ISC	iLoc	???	???	_		
MDB	1.64	106.3	Pn	06:46:48.902	1.0	T__						15282940	FDSN	IR	--	ISC	iLoc	???	???	_		
MDB	1.64	106.3	Sn	06:47:10.913	1.0	T__						15282941	FDSN	IR	--	ISC	iLoc	???	???	_		
LOT	1.65	135.0	Pn	06:46:43.200	-5.2	T__						15282942	FDSN	IR	--	ISC	iLoc	???	???	_		
LOT	1.65	135.0	Pg	06:46:49.071	-1.0	T__		0.1				15282943	FDSN	IR	--	ISC	iLoc	???	???	_		
LOT	1.65	135.0	Pg	06:46:49.071	-1.0	T__						15282944	FDSN	IR	--	ISC	iLoc	???	???	_		
LOT	1.65	135.0	Sn	06:47:10.751	0.1	T__		0.1				15282945	FDSN	IR	--	ISC	iLoc	???	???	_		
LOT	1.65	135.0	Sn	06:47:10.751	0.1	T__						15282946	FDSN	IR	--	ISC	iLoc	???	???	_		
LOT	1.65	135.1	Sn	06:47:12.038	1.2	T__						15282947	FDSN	RO	--	BUD	iLoc	BHN	???	_		
HERR	1.76	173.0	Pn	06:46:49.594	0.2	T__						15282948	FDSN	IR	--	ISC	iLoc	???	???	_		
HERR	1.76	173.0	Pn	06:46:49.594	0.2	T__						15282949	FDSN	IR	--	ISC	iLoc	???	???	_		
HERR	1.76	173.0	Lg	06:47:13.829	-1.3	T__						15282950	FDSN	IR	--	ISC	iLoc	???	???	_		
ABAH	1.77	340.8	Pn	06:46:48.805	-0.3	T__	2.5	69.5			MLv	2.3	15282951	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ABAH	1.77	340.8	Pg	06:46:52.781	-0.6	T__						15282952	FDSN	HU	--	BUD	iLoc	HHZ	???	_		
ABAH	1.77	340.8	Lg	06:47:15.352	-2.1	T__						15282953	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Station ML : 2.3 1)																						
HOLU	1.91	5.4	Pn	06:46:52.036	0.7	T__						15282954	FDSN	UA	--	BUD	iLoc	MHZ	???	_		
HOLU	1.91	5.4	Lg	06:47:20.672	-0.9	T__						15282955	FDSN	UA	--	BUD	iLoc	MHZ	???	_		
PSZ	1.99	311.4	Pn	06:46:51.434	-1.0	T__						15282956	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	1.99	311.4	Sn	06:47:14.011	-3.9	T__	2.0	51.8			MLv	2.3	15282957	FDSN	GE	--	BUD	iLoc	BHN	???	_	
PSZ	1.99	311.4	Lg	06:47:22.736	-2.5	T__						15282958	FDSN	GE	--	BUD	iLoc	BHE	???	_		
(Station ML : 2.3 1)																						
NSLU	2.24	44.5	Pn	06:46:54.479	-1.9	T__						15282959	FDSN	UA	--	BUD	iLoc	MHZ	???	_		
KOLS	2.31	2.6	Pg	06:47:06.400	3.6	T__						15282960	FDSN	IR	--	ISC	iLoc	???	???	_		
BURAR	2.34	63.9	Pn	06:46:58.904	0.9	T__						15282961	FDSN	IR	--	ISC	iLoc	???	???	_		
BURAR	2.34	63.9	Pn	06:46:58.904	0.9	T__						15282962	FDSN	IR	--	ISC	iLoc	???	???	_		
VOIR	2.37	119.1	Pn	06:46:59.040	0.5	T__						15282963	FDSN	IR	--	ISC	iLoc	???	???	_		
VOIR	2.37	119.1	Pn	06:46:59.040	0.5	T__						15282964	FDSN	IR	--	ISC	iLoc	???	???	_		
KWP	3.03	7.3	Pn	06:47:02.300	-5.3	T__						15282965	FDSN	IR	--	ISC	iLoc	???	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/01/07	02:05:48.42	0.15	0.44	46.1127	22.0108	1.4	1.0	106	7.7F	1.6	30	66	0.29	2.22	a	ke	BUC	15266824	ISC			360
2019/01/07	02:05:48.18	0.62	0.79	46.1341	21.9895	2.7	2.5	42	2.8F	8.8	78	21	62	0.26	2.29	m	ke	BUD	15283031	iLoc		84

Magnitude	Err	Nsta	Author	OrigID
ml	2.0		BUC	15266824
ML	2.0	0.3	8 ILOC	15283031

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
SIRR	0.26	300.2	Pg	02:05:53.943	0.2					T__	30.0	522.0		---	MLv	1.7	15283033	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
SIRR	0.26	300.2	Lg	02:05:57.506	-0.5					T__				---			15283034	FDSN	RO	--	BUD	iLoc	BHN	???	_	
SIRR	0.27	300.3	Pg	02:05:53.300	-0.5					T__		0.5		---			15283035	FDSN	IR	--	ISC	iLoc	???	???	_	
SIRR	0.27	300.3	Pb	02:05:54.200	0.4					T__				---			15283036	FDSN	IR	--	ISC	iLoc	???	???	_	
SIRR	0.27	300.3	Pb	02:05:54.200	0.4					T__				---			15283037	FDSN	IR	--	ISC	iLoc	???	???	_	
SIRR	0.27	300.3	Lg	02:05:57.740	-0.4					T__				---			15283038	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.7 1																										
SURR	0.39	166.0	Pg	02:05:56.173	0.4					T__				---			15283039	FDSN	IR	--	ISC	iLoc	???	???	_	
SURR	0.39	166.0	Pg	02:05:56.173	0.4					T__				---			15283040	FDSN	IR	--	ISC	iLoc	???	???	_	
SURR	0.39	166.0	Lg	02:06:01.137	-0.2					T__				---			15283041	FDSN	IR	--	ISC	iLoc	???	???	_	
BZS	0.57	205.5	Pg	02:05:59.370	0.0					T__	2.7	73.8		---	MLv	1.7	15283042	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
BZS	0.57	205.5	Lg	02:06:07.208	-0.2					T__				---			15283043	FDSN	RO	--	BUD	iLoc	BHN	???	_	
BZS	0.58	206.8	Pg	02:05:59.500	-0.0					T__		0.1		---			15283044	FDSN	IR	--	ISC	iLoc	???	???	_	
BZS	0.58	206.8	Pb	02:05:59.652	0.1					T__				---			15283045	FDSN	IR	--	ISC	iLoc	???	???	_	
BZS	0.58	206.8	Pb	02:05:59.652	0.1					T__				---			15283046	FDSN	IR	--	ISC	iLoc	???	???	_	
BZS	0.58	206.8	Lg	02:06:06.700	-1.0					T__		0.1		---			15283047	FDSN	IR	--	ISC	iLoc	???	???	_	
BZS	0.58	206.8	Sg	02:06:07.098	-0.6					T__				---			15283048	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.7 0																										
TIM	0.67	233.7	Lg	02:06:09.741	-1.2					T__				---			15283049	FDSN	IR	--	ISC	iLoc	???	???	_	
TIM	0.67	233.7	Lg	02:06:09.741	-1.2					T__				---			15283050	FDSN	IR	--	ISC	iLoc	???	???	_	
DEV	0.68	111.0	Pg	02:06:01.373	0.3					T__	3.1	106.9		---	MLv	1.9	15283051	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
DEV	0.68	111.0	Lg	02:06:10.635	-0.1					T__				---			15283052	FDSN	RO	--	BUD	iLoc	BHN	???	_	
DEV	0.68	111.2	Pg	02:06:01.269	0.1					T__				---			15283053	FDSN	IR	--	ISC	iLoc	???	???	_	
DEV	0.68	111.2	Pg	02:06:01.269	0.1					T__				---			15283054	FDSN	IR	--	ISC	iLoc	???	???	_	
DEV	0.68	111.2	Lg	02:06:10.500	-0.4					T__		0.1		---			15283055	FDSN	IR	--	ISC	iLoc	???	???	_	
DEV	0.68	111.2	Lg	02:06:10.525	-0.4					T__				---			15283056	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.9 1																										
DRGR	0.83	36.9	Pg	02:06:04.400	-0.2					T__		0.1		---			15283057	FDSN	IR	--	ISC	iLoc	???	???	_	
DRGR	0.83	36.9	Pb	02:06:04.778	0.2					T__				---			15283058	FDSN	IR	--	ISC	iLoc	???	???	_	
DRGR	0.83	36.9	Pb	02:06:04.778	0.2					T__				---			15283059	FDSN	IR	--	ISC	iLoc	???	???	_	
DRGR	0.83	36.9	Lg	02:06:15.400	-1.4					T__		0.1		---			15283060	FDSN	IR	--	ISC	iLoc	???	???	_	
DRGR	0.83	36.9	Sg	02:06:15.733	-1.0					T__				---			15283061	FDSN	IR	--	ISC	iLoc	???	???	_	
DRGR	0.83	36.9	Pg	02:06:04.663	0.1					T__	2.1	66.2		---	MLv	1.8	15283062	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
DRGR	0.83	36.9	Lg	02:06:15.605	-1.2					T__				---			15283063	FDSN	RO	--	BUD	iLoc	BHZ	???	_	
(Station ML : 1.8 1																										
GZR	0.92	143.1	Pg	02:06:05.900	0.1					T__		0.1		---			15283064	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	0.92	143.1	Pg	02:06:05.949	0.1					T__				---			15283065	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	0.92	143.1	Pg	02:06:05.949	0.1					T__				---			15283066	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	0.92	143.1	Pg	02:06:06.055	0.3					T__	4.5	105.8		---	MLv	2.0	15283067	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
GZR	0.92	143.1	Lg	02:06:17.556	-1.2					T__				---			15283068	FDSN	RO	--	BUD	iLoc	BHN	???	_	
GZR	0.92	143.1	Lg	02:06:17.727	-1.0					T__				---			15283069	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	0.92	143.1	Sg	02:06:17.900	-0.8					T__		0.1		---			15283070	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 2.0 1																										

MARR	0.95	54.8	Pg	02:06:06.925	-0.1	T__	---	---	15283071	FDSN	IR	--	ISC	iLoc	???	???	_		
MARR	0.95	54.8	Pg	02:06:06.925	-0.1	T__	---	---	15283072	FDSN	IR	--	ISC	iLoc	???	???	_		
MARR	0.95	54.8	Lg	02:06:19.426	-1.4	T__	---	---	15283073	FDSN	IR	--	ISC	iLoc	???	???	_		
BANR	0.96	218.8	Lg	02:06:20.668	0.5	T__	---	---	15283074	FDSN	RO	--	BUD	iLoc	BHN	???	_		
BANR	0.96	218.8	Lg	02:06:20.183	0.0	T__	---	---	15283075	FDSN	IR	--	ISC	iLoc	???	???	_		
BANR	0.96	218.8	Lg	02:06:20.183	0.0	T__	---	---	15283076	FDSN	IR	--	ISC	iLoc	???	???	_		
BANR	0.96	218.8	Sg	02:06:21.400	1.2	T__	---	---	15283077	FDSN	IR	--	ISC	iLoc	???	???	_		
BORR	0.97	351.7	Pn	02:06:07.659	0.3	T__	---	---	15283078	FDSN	IR	--	ISC	iLoc	???	???	_		
BORR	0.97	351.7	Pn	02:06:07.659	0.3	T__	---	---	15283079	FDSN	IR	--	ISC	iLoc	???	???	_		
BORR	0.97	351.7	Lg	02:06:21.978	0.9	T__	---	---	15283080	FDSN	IR	--	ISC	iLoc	???	???	_		
MESR	1.21	32.7	Pn	02:06:11.551	0.5	T__	---	---	15283081	FDSN	IR	--	ISC	iLoc	???	???	_		
MESR	1.21	32.7	Pn	02:06:11.551	0.5	T__	---	---	15283082	FDSN	IR	--	ISC	iLoc	???	???	_		
MESR	1.21	32.7	Lg	02:06:28.377	-0.1	T__	---	---	15283083	FDSN	IR	--	ISC	iLoc	???	???	_		
CJR	1.25	61.9	Pg	02:06:13.900	1.3	T__	3.2	121.3	MLv	2.3	15283084	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
CJR	1.25	61.9	Lg	02:06:29.700	-0.3	T__	---	---	---	---	15283085	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	1.25	61.9	Lg	02:06:30.439	0.4	T__	---	---	---	---	15283086	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 2.3 1																			
HERR	1.29	166.4	Pn	02:06:12.550	0.3	T__	---	---	---	---	15283087	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.29	166.4	Pn	02:06:12.550	0.3	T__	---	---	---	---	15283088	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.29	166.4	Lg	02:06:29.799	-0.0	T__	---	---	---	---	15283089	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.37	188.3	Pn	02:06:14.269	0.8	T__	---	---	---	---	15283090	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.37	188.3	Pn	02:06:14.269	0.8	T__	---	---	---	---	15283091	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.37	188.3	Sn	02:06:31.982	-0.6	T__	---	---	---	---	15283092	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.42	118.2	Pn	02:06:14.207	-0.4	T__	---	---	---	---	15283093	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.42	118.2	Pn	02:06:14.207	-0.4	T__	---	---	---	---	15283094	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.42	118.2	Pg	02:06:15.200	-0.1	T__	---	0.1	---	---	15283095	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.42	118.2	Sn	02:06:33.542	-1.1	T__	---	---	---	---	15283096	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.42	118.3	Pg	02:06:15.325	-0.0	T__	2.8	67.2	MLv	2.1	15283097	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
LOT	1.42	118.3	Sn	02:06:33.340	-1.4	T__	---	---	---	---	15283098	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 2.1 1																			
FRGS	1.81	237.3	Sn	02:06:45.913	2.3	T__	---	---	---	---	15283099	FDSN	SJ	--	BUD	iLoc	BHN	???	_
BMR	1.85	33.3	Sn	02:06:45.760	1.1	T__	---	---	---	---	15283100	FDSN	IR	--	ISC	iLoc	???	???	_
BMR	1.85	33.3	Sn	02:06:45.760	1.1	T__	---	---	---	---	15283101	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	1.89	58.9	Sn	02:06:45.551	0.2	T__	---	---	---	---	15283102	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	1.89	58.9	Sn	02:06:45.551	0.2	T__	---	---	---	---	15283103	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	1.89	58.9	Lg	02:06:48.803	-0.6	T__	---	---	---	---	15283104	FDSN	RO	--	BUD	iLoc	BHN	???	_
ABAH	2.22	347.0	Pn	02:06:26.750	1.8	T__	1.6	68.4	MLv	2.6	15283105	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.6 0																			
VOIR	2.25	106.9	Pn	02:06:26.434	-0.0	T__	---	---	---	---	15283106	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.25	106.9	Pn	02:06:26.434	-0.0	T__	---	---	---	---	15283107	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.25	106.9	Sn	02:06:54.871	-0.4	T__	---	---	---	---	15283108	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	2.29	322.0	Pn	02:06:25.800	-0.3	T__	---	0.1	---	---	15283109	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	2.29	322.0	Sn	02:06:51.900	-2.7	T__	---	0.1	---	---	15283110	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/01/07	09:29:14.90	2.18	1.15	48.5375	20.9271	25.1	3.8	19	0.0S	11	5	157	0.30	1.39	m	sx	BUD	15283155	iLoc			230
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.3	4 ILOC	15283155

Sta	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	259.7	Pg	09:29:21.291	0.2					T__	14.0	428.3		___	MLv	1.8	15283157	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.30	259.7	Lg	09:29:24.949	-0.8					T__				---		15283158	FDSN	SK	--	BUD	iLoc	EHE	???	_	
(Station ML : 1.8 1																									
ABAH	0.32	139.1	Pg	09:29:21.000	-0.6					T__		0.1		---		15283159	FDSN	IR	--	ISC	iLoc	???	???	_	
ABAH	0.32	139.1	Pg	09:29:21.331	-0.3					T__	1.5	97.1		---	MLv	1.2	15283160	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.32	139.1	Lg	09:29:27.884	0.6					T__				---		15283161	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
ABAH	0.32	139.1	Lg	09:29:28.100	0.8					T__		0.1		---		15283162	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.2 1																									
PSZ	0.93	228.5	Pn	09:29:36.149	1.9					T__	2.4	95.4		---	MLv	2.0	15283163	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.93	228.5	Sn	09:29:48.713	-1.1					T__				---		15283164	FDSN	GE	--	BUD	iLoc	BHN	???	_	
(Station ML : 2.0 1																									
STZU	1.22	66.2	Pn	09:29:39.988	1.5					T__				---		15283165	FDSN	UA	--	BUD	iLoc	MHZ	???	_	
VYHS	1.39	269.0	Pg	09:29:42.060	-0.8					T__	1.0	20.2		---	MLv	1.6	15283166	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.39	269.0	Sn	09:30:00.275	-0.9					T__				---		15283167	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
2019/01/08	01:57:03.12	0.92	0.80	46.3478	17.5679	6.1	4.2	31	9.6F	7.0	14	9	86	0.18	0.93	m	ke BUD	15283187	iLoc			129

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.2	5 ILOC	15283187

Sta	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	0.18	64.0	Pg	01:57:07.150	-0.1					T__	2.0	162.3		___	MLv	1.0	15283189	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A265A	0.18	64.0	Lg	01:57:10.708	0.5					T__				---		15283190	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
(Station ML : 1.0 0																									
A263A	0.34	329.3	Lg	01:57:13.913	-1.4					T__				---		15283191	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
KOVH	0.45	124.9	Pg	01:57:12.202	-0.2					T__	1.4	52.1		---	MLv	1.3	15283192	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.45	124.9	Lg	01:57:18.511	-0.3					T__				---		15283193	FDSN	HU	--	BUD	iLoc	BHZ	???	_	
(Station ML : 1.3 1																									
BEHE	0.56	282.9	Pg	01:57:14.298	-0.2					T__	1.2	104.7		---	MLv	1.8	15283194	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BEHE	0.56	282.9	Lg	01:57:23.763	1.6					T__				---		15283195	FDSN	HU	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.8 0																									
TIH	0.59	21.6	Pg	01:57:15.082	0.1					T__	1.3	95.5		---	MLv	1.8	15283196	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TIH	0.59	21.6	Lg	01:57:24.304	0.5					T__				---		15283197	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
(Station ML : 1.8 1																									
MORH	0.76	99.6	Pn	01:57:18.064	-0.2					T__	1.1	16.9		---	MLv	1.1	15283198	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	0.76	99.6	Sn	01:57:29.665	-0.5					T__				---		15283199	FDSN	HU	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.1 1																									
KALN	0.80	254.7	Sn	01:57:31.409	0.1					T__				---		15283200	FDSN	CR	--	BUD	iLoc	BHE	???	_	
MPLH	0.82	358.7	Sn	01:57:31.221	-0.6					T__				---		15283201	FDSN	HU	--	BUD	iLoc	BHN	???	_	
A252A	0.93	167.8	Sn	01:57:35.417	0.9					T__				---		15283202	FDSN	Z3	--	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
2019/01/08	09:06:31.57	0.94	0.80	48.5519	20.7654	6.6	3.9	178	0.0S		14	10	94	0.20	1.31	m	sx BUD	15283224	iLoc			120

(description : suspected quarry blast)
(locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
ML 1.8 0.2 7 ILOC 15283224

Sta	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	0.20	249.8	Pg	09:06:35.533	-0.2					T__	33.3	1213.6		---	MLv	1.9	15283226	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_	
KECS	0.20	249.8	Lg	09:06:39.670	0.6					T__				---		15283227	FDSN	SK	--	BUD	iLoc	EHN	???	_		
(Station ML : 1.9 1																										
ABAH	0.41	128.8	Pg	09:06:40.442	0.5					T__	1.5	100.3		---	MLv	1.4	15283228	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ABAH	0.41	128.8	Lg	09:06:45.860	-1.1					T__				---		15283229	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Station ML : 1.4 0																										
PSZ	0.86	222.9	Pn	09:06:51.028	1.0					T__	2.3	103.5		---	MLv	2.0	15283230	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	0.86	222.9	Lg	09:07:02.416	-0.3					T__				---		15283231	FDSN	GE	--	BUD	iLoc	BHE	???	_		
(Station ML : 2.0 0																										
NIE	0.92	341.2	Pn	09:06:51.370	0.5					T__	1.4	66.0		---	MLv	1.8	15283232	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_	
(Station ML : 1.8 1																										
STHS	0.92	19.8	Pg	09:06:48.720	0.0					T__	2.3	80.7		---	MLv	1.9	15283233	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_	
(Station ML : 1.9 1																										
HOLU	1.08	90.7	Pn	09:06:52.433	-0.4					T__				---		15283234	FDSN	UA	--	BUD	iLoc	MHZ	???	_		
A336A	1.22	255.5	Sn	09:07:13.831	0.6					T__				---		15283235	FDSN	Z3	00	BUD	iLoc	HH3	???	_		
TRPA	1.26	109.0	Pg	09:06:55.363	-0.4					T__	1.3	28.0		---	MLv	1.6	15283236	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
TRPA	1.26	109.0	Sn	09:07:12.629	-1.7					T__				---		15283237	FDSN	HU	--	BUD	iLoc	BHE	???	_		
(Station ML : 1.6 1																										
VYHS	1.28	268.1	Pn	09:06:56.135	0.2					T__	2.1	25.7		---	MLv	1.6	15283238	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_	
(Station ML : 1.6 1																										
STZU	1.31	68.6	Pn	09:06:56.767	0.3					T__				---		15283239	FDSN	UA	--	BUD	iLoc	MHZ	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/01/08	19:20:28.71	0.25	0.36	45.9141	21.2876	2.3	1.2	109	14.1F	1.3	22	201	0.18	1.80	a	ke	BUC	15266964	ISC			360
2019/01/08	19:20:28.76	0.95	0.69	45.9302	21.2948	6.1	3.8	120	8.5F	7.6	40	11	202	0.20	1.80	m	ke	BUD	15283269	iLoc		213

Magnitude Err Nsta Author OrigID
ml 1.5 BUC 15266964
ML 1.9 0.2 6 ILOC 15283269

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
TIM	0.20	195.0	Pg	19:20:32.789	-0.4					T__				---		15283271	FDSN	IR	--	ISC	iLoc	???	???	_		
TIM	0.20	195.0	Pg	19:20:32.789	-0.4					T__		0.2		---		15283272	FDSN	IR	--	ISC	iLoc	???	???	_		
TIM	0.20	195.0	Lg	19:20:36.742	0.3					T__		0.2		---		15283273	FDSN	IR	--	ISC	iLoc	???	???	_		
TIM	0.20	195.0	Lg	19:20:36.742	0.3					T__				---		15283274	FDSN	IR	--	ISC	iLoc	???	???	_		
BZS	0.39	144.2	Pg	19:20:36.290	-0.2					T__				---		15283275	FDSN	IR	--	ISC	iLoc	???	???	_		
BZS	0.39	144.2	Pg	19:20:36.290	-0.2					T__				---		15283276	FDSN	IR	--	ISC	iLoc	???	???	_		
BZS	0.39	142.1	Pg	19:20:36.131	-0.5					T__	2.6	70.6		---	MLv	1.2	15283277	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
BZS	0.39	142.1	Lg	19:20:41.825	-0.6					T__				---		15283278	FDSN	RO	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.2 0																										
SIRR	0.42	37.3	Pg	19:20:37.455	-0.1					T__	2.8	83.8		---	MLv	1.4	15283279	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
SIRR	0.42	37.3	Lg	19:20:43.401	-0.7					T__				---		15283280	FDSN	RO	--	BUD	iLoc	BHE	???	_		
(Station ML : 1.4 1																										
BANR	0.56	191.5	Pg	19:20:40.906	1.2					T__	3.0	261.6		---	MLv	2.2	15283281	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
BANR	0.56	191.5	Lg	19:20:49.202	1.3					T__				---		15283282	FDSN	RO	--	BUD	iLoc	BHN	???	_		
BANR	0.56	191.6	Pg	19:20:39.157	-0.5					T__				---		15283283	FDSN	IR	--	ISC	iLoc	???	???	_		

BANR	0.56	191.6	Pg	19:20:39.157	-0.5	T__	---	---	15283284	FDSN	IR	--	ISC	iLoc	???	???	_			
BANR	0.56	191.6	Lg	19:20:47.005	-0.8	T__	---	---	15283285	FDSN	IR	--	ISC	iLoc	???	???	_			
(Station ML : 2.2 0																				
SURR	0.61	106.6	Pg	19:20:40.952	0.4	T__	---	---	15283286	FDSN	IR	--	ISC	iLoc	???	???	_			
SURR	0.61	106.6	Pg	19:20:40.952	0.4	T__	---	---	15283287	FDSN	IR	--	ISC	iLoc	???	???	_			
SURR	0.61	106.6	Lg	19:20:49.329	0.3	T__	---	---	15283288	FDSN	IR	--	ISC	iLoc	???	???	_			
GZR	1.17	116.8	Pn	19:20:50.932	0.3	T__	2.4	59.9	---	MLv	1.9	15283289	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.17	116.8	Pg	19:20:51.116	0.1	T__	---	---	---	---	---	15283290	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.17	116.8	Pg	19:20:51.116	0.1	T__	---	---	---	---	---	15283291	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.17	116.8	Lg	19:21:06.810	0.1	T__	---	---	---	---	---	15283292	FDSN	RO	--	BUD	iLoc	BHN	???	_
GZR	1.17	116.8	Lg	19:21:06.913	0.2	T__	---	---	---	---	---	15283293	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.9 1																				
MDVR	1.19	165.5	Pn	19:20:50.392	-0.3	T__	---	---	---	---	---	15283294	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.19	165.5	Pn	19:20:50.392	-0.3	T__	---	---	---	---	---	15283295	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.19	165.5	Lg	19:21:06.939	-0.6	T__	---	---	---	---	---	15283296	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.31	48.2	Sn	19:21:10.585	0.1	T__	---	---	---	---	---	15283297	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.31	48.2	Pn	19:20:53.435	1.2	T__	1.1	46.5	---	MLv	1.9	15283298	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	1.31	48.2	Sn	19:21:11.144	0.7	T__	---	---	---	---	---	15283299	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.9 1																				
HERR	1.31	142.6	Pn	19:20:52.712	0.3	T__	---	---	---	---	---	15283300	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.31	142.6	Pn	19:20:52.712	0.3	T__	---	---	---	---	---	15283301	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.31	142.6	Sn	19:21:09.100	-1.1	T__	---	---	---	---	---	15283302	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.47	58.8	Pn	19:20:55.522	0.8	T__	---	---	---	---	---	15283303	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.47	58.8	Pn	19:20:55.522	0.8	T__	---	---	---	---	---	15283304	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.47	58.8	Sn	19:21:14.780	0.1	T__	---	---	---	---	---	15283305	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.80	104.7	Pn	19:20:59.048	-0.7	T__	---	---	---	---	---	15283306	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.80	104.7	Pn	19:20:59.048	-0.7	T__	---	---	---	---	---	15283307	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.80	104.7	Sn	19:21:23.469	0.6	T__	---	---	---	---	---	15283308	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.80	104.7	Pn	19:21:01.127	1.3	T__	1.3	49.9	---	MLv	2.2	15283309	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
LOT	1.80	104.7	Lg	19:21:25.700	-1.5	T__	---	---	---	---	---	15283310	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 2.2 1																				
NVLJ	4.74	255.5	Pg	19:22:09.060	14.6	---	---	---	---	---	---	15283311	FDSN	IR	--	ISC	iLoc	???	???	_
NVLJ	4.74	255.5	Sn	19:22:10.780	-23.8	---	---	---	---	---	---	15283312	FDSN	IR	--	ISC	iLoc	???	???	_
RABC	4.74	257.9	Pg	19:22:09.290	14.7	---	---	---	---	---	---	15283313	FDSN	IR	--	ISC	iLoc	???	???	_
RABC	4.74	257.9	Sn	19:22:11.210	-23.2	---	---	---	---	---	---	15283314	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/01/08	20:17:29.08	0.25	0.35	45.9192	21.2850	2.4	1.2	108	14.9F	1.3	20	203	0.19	1.48	a	ke	BUC	15267033	ISC			360
2019/01/08	20:17:28.94	0.90	0.57	45.9378	21.2802	5.6	3.7	112	8.8F	7.5	39	10	207	0.21	1.47	m	ke	BUD	15283342	iLoc		217

Magnitude	Err	Nsta	Author	OrigID
m1	1.2		BUC	15267033
ML	1.5	0.5	4 ILOC	15283342

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TIM	0.21	191.7	Pg	20:17:33.145	-0.3											15283344	FDSN	IR	--	ISC	iLoc	???	???	_
TIM	0.21	191.7	Pg	20:17:33.145	-0.3							0.2				15283345	FDSN	IR	--	ISC	iLoc	???	???	_
TIM	0.21	191.7	Lg	20:17:37.194	0.3							0.2				15283346	FDSN	IR	--	ISC	iLoc	???	???	_
TIM	0.21	191.7	Lg	20:17:37.194	0.3											15283347	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.40	143.6	Pg	20:17:36.821	-0.1											15283348	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.40	143.6	Pg	20:17:36.821	-0.1											15283349	FDSN	IR	--	ISC	iLoc	???	???	_

BZS	0.40	143.6	Lg	20:17:42.370	-0.4	T__								15283350	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.41	141.6	Pg	20:17:36.514	-0.6	T__	1.8	53.2	---	MLv	1.2	15283351	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
BZS	0.41	141.6	Lg	20:17:42.264	-0.8	T__			---					15283352	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.2 1																						
SIRR	0.42	39.0	Pg	20:17:37.989	0.2	T__	1.8	48.8	---	MLv	1.2	15283353	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
SIRR	0.42	39.0	Lg	20:17:43.842	-0.4	T__			---					15283354	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	0.42	38.5	Lg	20:17:43.997	-0.2	T__		0.1	---					15283355	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.42	38.5	Lg	20:17:43.997	-0.2	T__			---					15283356	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.2 1																						
BANR	0.56	190.3	Lg	20:17:49.847	1.6	T__			---					15283357	FDSN	RO	--	BUD	iLoc	BHN	???	_
BANR	0.56	190.4	Pg	20:17:39.126	-0.9	T__			---					15283358	FDSN	IR	--	ISC	iLoc	???	???	_
BANR	0.56	190.4	Pg	20:17:39.126	-0.9	T__			---					15283359	FDSN	IR	--	ISC	iLoc	???	???	_
BANR	0.56	190.4	Lg	20:17:48.249	0.1	T__			---					15283360	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.62	107.0	Pg	20:17:41.625	0.6	T__			---					15283361	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.62	107.0	Pg	20:17:41.625	0.6	T__			---					15283362	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.62	107.0	Lg	20:17:49.563	0.0	T__			---					15283363	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.18	116.9	Pg	20:17:51.305	-0.1	T__			---					15283364	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.18	116.9	Pg	20:17:51.305	-0.1	T__			---					15283365	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.18	116.9	Pg	20:17:51.526	0.1	T__	1.5	46.1	---	MLv	1.8	15283366	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
GZR	1.18	116.9	Lg	20:18:06.997	-0.3	T__			---					15283367	FDSN	RO	--	BUD	iLoc	BHN	???	_
GZR	1.18	116.9	Lg	20:18:07.492	0.2	T__			---					15283368	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.8 1																						
MDVR	1.20	165.1	Pn	20:17:51.229	0.3	T__			---					15283369	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.20	165.1	Pn	20:17:51.229	0.3	T__			---					15283370	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.20	165.1	Sn	20:18:06.966	-0.9	T__			---					15283371	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.31	48.7	Pn	20:17:53.316	0.9	T__			---					15283372	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.31	48.7	Pn	20:17:53.316	0.9	T__			---					15283373	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.31	48.7	Sn	20:18:10.790	0.1	T__			---					15283374	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.31	48.7	Pg	20:17:53.816	-0.9	T__	1.3	48.7	---	MLv	1.9	15283375	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
DRGR	1.31	48.7	Lg	20:18:11.424	-0.3	T__			---					15283376	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.9 1																						
HERR	1.33	142.5	Pn	20:17:52.737	0.1	T__			---					15283377	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.33	142.5	Pn	20:17:52.737	0.1	T__			---					15283378	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.33	142.5	Lg	20:18:10.707	-0.6	T__			---					15283379	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.47	59.3	Pn	20:17:55.560	0.6	T__			---					15283380	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.47	59.3	Pn	20:17:55.560	0.6	T__			---					15283381	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.47	59.3	Sn	20:18:15.165	0.3	T__			---					15283382	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/01/10	09:12:52.66	0.93	0.81	48.5426	20.7873	8.0	4.8	166	0.0S		18	9	94	0.21	1.30	m	sx	BUD	15283403	iLoc		124

(description : suspected quarry blast)
(locality : Dvorniky-Vcelare Slovakia)

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.3	8 ILOC	15283403

Sta	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	253.6	Pg	09:12:56.813	-0.2					T__	63.0	2169.4		---	MLv	2.2	15283405	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.21	253.6	Lg	09:13:00.050	-0.4					T__				---		15283406	FDSN	SK	--	BUD	iLoc	EHE	???	_	
(Station ML : 2.2 0																									
ABAH	0.39	129.1	Pg	09:13:01.156	0.5					T__	1.2	88.0		---	MLv	1.3	15283407	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_

ABAH	0.39	129.1	Lg	09:13:07.096	-0.4	T__								15283408	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.3 0)																						
PSZ	0.86	224.0	Pn	09:13:11.900	0.8	T__		0.1						15283409	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.86	224.0	Pg	09:13:10.601	-0.3	T__	1.7	70.8			MLv	1.8	15283410	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	0.86	224.0	Lg	09:13:24.417	0.5	T__							15283411	FDSN	GE	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.8 1)																						
STHS	0.93	18.8	Pn	09:13:10.901	-1.2	T__	2.3	77.5			MLv	1.9	15283412	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_	
STHS	0.93	18.8	Lg	09:13:23.604	0.0	T__							15283413	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Station ML : 1.9 1)																						
NIE	0.93	340.6	Pn	09:13:12.827	0.7	T__	1.6	37.5			MLv	1.6	15283414	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_	
(Station ML : 1.6 1)																						
KOLS	1.06	67.8	Pn	09:13:15.289	1.4	T__							15283415	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	1.06	67.8	Lg	09:13:28.752	-0.5	T__							15283416	FDSN	SK	--	BUD	iLoc	HHE	???	_	
A336A	1.23	256.1	Pg	09:13:17.430	-0.0	T__	1.5	68.8			MLv	2.0	15283417	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A336A	1.23	256.1	Sn	09:13:33.653	-0.9	T__							15283418	FDSN	Z3	00	BUD	iLoc	HH2	???	_	
(Station ML : 2.0 1)																						
TRPA	1.24	108.8	Pg	09:13:16.520	-0.0	T__	1.6	20.9			MLv	1.5	15283419	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
TRPA	1.24	108.8	Sn	09:13:33.954	-1.0	T__							15283420	FDSN	HU	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.5 1)																						
VYHS	1.30	268.6	Pn	09:13:17.484	0.3	T__	1.7	14.7			MLv	1.4	15283421	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_	
VYHS	1.30	268.6	Sn	09:13:35.176	-1.4	T__							15283422	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
 2019/01/11 09:08:12.79 1.38 0.59 48.5368 20.7949 14.4 3.8 7 0.0S 16 8 158 0.21 1.30 m sx BUD 15283457 iLoc 181
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 2.0 0.2 5 ILOC 15283457

Sta	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	255.5	Pg	09:08:17.271	0.0	T__					19.5	683.8			MLv	1.7	15283459	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.21	255.5	Lg	09:08:20.340	-0.4	T__										15283460	FDSN	SK	--	BUD	iLoc	EHN	???	_	
KECS	0.21	255.5	Lg	09:08:20.900	0.2	T__					0.7					15283461	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.7 0)																									
ABAH	0.38	128.9	Pg	09:08:20.510	-0.2	T__	1.1	333.5			MLv	1.9	15283462	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_				
ABAH	0.38	128.9	Lg	09:08:27.612	0.2	T__										15283463	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.9 1)																									
PSZ	0.86	224.5	Pg	09:08:30.655	-0.4	T__	2.0	282.8			MLv	2.4	15283464	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_				
PSZ	0.86	224.5	Lg	09:08:44.515	0.5	T__										15283465	FDSN	GE	--	BUD	iLoc	BHE	???	_	
(Station ML : 2.4 1)																									
KOLS	1.06	67.4	Pn	09:08:34.400	0.4	T__					5.6					15283466	FDSN	IR	--	ISC	iLoc	???	???	_	
KOLS	1.06	67.4	Pn	09:08:34.676	0.7	T__										15283467	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	1.06	67.4	Sn	09:08:50.057	-1.2	T__										15283468	FDSN	SK	--	BUD	iLoc	HHE	???	_	
HOLU	1.06	89.9	Pn	09:08:34.201	0.4	T__										15283469	FDSN	UA	--	BUD	iLoc	MHZ	???	_	
TRPA	1.23	108.6	Sn	09:08:54.967	0.0	T__										15283470	FDSN	HU	--	BUD	iLoc	BHE	???	_	
A336A	1.24	256.4	Pg	09:08:37.270	-0.4	T__	1.3	235.5			MLv	2.6	15283471	FDSN	Z3	00	BUD	iLoc	HH3	HHZ	_				
A336A	1.24	256.4	Sn	09:08:55.202	0.4	T__										15283472	FDSN	Z3	00	BUD	iLoc	HH2	???	_	
(Station ML : 2.6 0)																									
VYHS	1.30	268.8	Pn	09:08:37.791	0.4	T__	2.0	66.6			MLv	2.0	15283473	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_				
VYHS	1.30	268.8	Sn	09:08:55.778	-1.1	T__										15283474	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
2019/01/11	23:10:19.30	0.57		45.7350	17.2050	0.1	0.0		5.OA		10			0.75	1.34	a	ke RHSSO	15267108	ISC			360
2019/01/11	23:10:16.25	0.84	0.76	45.7969	17.3248	4.4	3.3	124	3.0F	12.0	28	13	63	0.36	1.43	m	ke BUD	15283498	iLoc			115

Magnitude	Err	Nsta	Author	OrigID
ML	1.6		RHSSO	15267108
ML	1.8	0.3	9 ILOC	15283498

Sta	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	0.36	70.6	Pg	23:10:24.346	0.6					T__	1.8	1.9		___	MLv	15283500	FDSN	Z3	--	BUD	iLoc	HHZ	HHZ	_
(Station ML : -0.4 0)																								
A264A	0.36	356.1	Pg	23:10:23.857	0.1					T__	1.5	191.1		___	MLv	1.6 15283501	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A264A	0.36	356.1	Lg	23:10:29.662	0.9					T__				___		15283502	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 1.6 1)																								
MOSL	0.44	245.6	Pg	23:10:25.578	0.4					T__	1.4	99.1		___	MLv	1.5 15283503	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
MOSL	0.44	245.6	Lg	23:10:30.409	-0.8					T__				___		15283504	FDSN	CR	--	BUD	iLoc	BHE	???	_
(Station ML : 1.5 1)																								
A252A	0.52	134.3	Pg	23:10:26.646	-0.1					T__	1.7	104.0		___	MLv	1.7 15283505	FDSN	Z3	--	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.7 1)																								
KOVH	0.61	61.4	Pg	23:10:29.083	0.4					T__	1.3	90.2		___	MLv	1.8 15283506	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.61	61.4	Lg	23:10:35.790	-1.3					T__				___		15283507	FDSN	HU	--	BUD	iLoc	BHZ	???	_
(Station ML : 1.8 1)																								
A265A	0.71	27.4	Pg	23:10:30.329	-0.1					T__	2.1	185.1		___	MLv	2.2 15283508	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A265A	0.71	27.4	Lg	23:10:40.094	0.0					T__				___		15283509	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 2.2 1)																								
BEHE	0.77	330.6	Pn	23:10:33.500	0.5					T__				___		15283510	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.77	330.6	Sn	23:10:45.000	-0.2					T__				___		15283511	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.77	330.6	Sn	23:10:44.442	-0.8					T__				___		15283512	FDSN	HU	--	BUD	iLoc	BHN	???	_
A051A	0.84	200.7	Pg	23:10:32.700	-0.1					T__				___		15283513	FDSN	IR	--	ISC	iLoc	???	???	_
A051A	0.84	200.7	Lg	23:10:43.500	-0.2					T__				___		15283514	FDSN	IR	--	ISC	iLoc	???	???	_
A263A	0.84	359.5	Pn	23:10:33.453	-0.4					T__	2.7	171.2		___	MLv	2.2 15283515	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A263A	0.84	359.5	Lg	23:10:44.074	-0.3					T__				___		15283516	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 2.2 1)																								
KOGS	0.99	311.5	Sn	23:10:49.384	-0.8					T__				___		15283517	FDSN	SL	--	BUD	iLoc	BHE	???	_
BLY	1.01	185.8	Pn	23:10:36.509	-0.1					T__	1.1	56.2		___	MLv	1.8 15283518	FDSN	MN	--	BUD	iLoc	BHZ	BHZ	_
BLY	1.01	185.8	Sn	23:10:51.878	0.6					T__				___		15283519	FDSN	MN	--	BUD	iLoc	BHN	???	_
BLY	1.05	185.5	Pn	23:10:37.200	0.1					T__				___		15283520	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	1.05	185.5	Lg	23:10:50.800	0.8					T__				___		15283521	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.8 1)																								
CRES	1.31	271.9	Pn	23:10:42.056	1.3					T__	1.3	318.7		___	MLv	2.7 15283522	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	1.31	271.9	Lg	23:10:59.257	-1.0					T__				___		15283523	FDSN	SL	--	BUD	iLoc	BHE	???	_
CRES	1.31	271.9	Pn	23:10:41.300	0.5					T__				___		15283524	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	1.31	271.9	Lg	23:10:58.400	-1.9					T__				___		15283525	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.7 0)																								
A050A	1.43	203.4	Pg	23:10:43.400	0.0					T__				___		15283526	FDSN	IR	--	ISC	iLoc	???	???	_
A050A	1.43	203.4	Sn	23:11:01.900	-0.8					T__				___		15283527	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/01/12	21:05:16.60	1.15	0.70	48.6403	19.3841	4.0	3.6	144	18.7F	18.4	15	8	95	0.39	1.28	m	ke BUD	15283606	iLoc			176

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.1	8 ILOC	15283606

Sta	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	0.39	248.3	Pg	21:05:25.601	0.4					T__	1.1	14.1		___	MLv	0.5	15283608	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.39	248.3	Lg	21:05:30.907	-0.5					T__				---		15283609	FDSN	SK	--	BUD	iLoc	HHN	???	_	
(Station ML : 0.5 0																									
A336A	0.48	212.3	Pg	21:05:27.573	0.7					T__	2.0	78.1		___	MLv	1.5	15283610	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A336A	0.48	212.3	Lg	21:05:34.216	-0.2					T__				---		15283611	FDSN	Z3	00	BUD	iLoc	HH2	???	_	
(Station ML : 1.5 1																									
LANS	0.51	6.1	Pg	21:05:27.535	0.3					T__	2.4	20.7		___	MLv	1.0	15283612	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
LANS	0.51	6.1	Lg	21:05:33.947	-0.2					T__				---		15283613	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Station ML : 1.0 1																									
A332A	0.63	285.4	Pg	21:05:29.703	0.1					T__	1.5	95.5		___	MLv	1.8	15283614	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A332A	0.63	285.4	Lg	21:05:38.264	-0.1					T__				---		15283615	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
(Station ML : 1.8 1																									
A335A	0.72	254.9	Pg	21:05:31.544	0.2					T__	1.9	84.3		___	MLv	1.8	15283616	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A335A	0.72	254.9	Lg	21:05:41.249	-1.1					T__				---		15283617	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
(Station ML : 1.8 1																									
KECS	0.75	101.7	Pg	21:05:31.911	0.3					T__	1.9	75.8		___	MLv	1.8	15283618	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.75	101.7	Lg	21:05:41.733	-0.5					T__				---		15283619	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Station ML : 1.8 1																									
PSZ	0.80	154.5	Pn	21:05:33.183	1.0					T__	2.7	105.7		___	MLv	2.0	15283620	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.80	154.5	Lg	21:05:43.932	-1.3					T__				---		15283621	FDSN	GE	--	BUD	iLoc	BHN	???	_	
(Station ML : 2.0 1																									
ABAH	1.28	104.9	Pg	21:05:42.030	0.3					T__	1.1	92.7		___	MLv	2.2	15283622	FDSN	HU	--	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
2019/01/14	10:42:05.20	1.13	0.52	48.3442	20.6449	12.0	4.6	25	0.0S		7	4	133	0.17	1.21	m	sx BUD	15283656	iLoc			267

(description : suspected quarry blast)
(locality : Dvorniky-Vcelare Slovakia)

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.2	4 ILOC	15283656

Sta	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	322.7	Pg	10:42:08.765	-0.2					T__	10.7	433.1		___	MLv	1.4	15283658	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.17	322.7	Lg	10:42:12.279	0.3					T__				---		15283659	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Station ML : 1.4 1																									
ABAH	0.40	96.7	Pg	10:42:13.356	-0.1					T__	1.5	119.3		___	MLv	1.5	15283660	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.5 1																									
PSZ	0.66	230.0	Pn	10:42:21.604	0.8					T__	2.4	149.8		___	MLv	2.0	15283661	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.66	230.0	Sn	10:42:33.177	-0.4					T__				---		15283662	FDSN	GE	--	BUD	iLoc	BHE	???	_	
(Station ML : 2.0 1																									
VYHS	1.21	277.8	Pg	10:42:29.402	-0.2					T__	1.4	28.6		___	MLv	1.6	15283663	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.21	277.8	Lg	10:42:47.273	0.1					T__				---		15283664	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
2019/01/15	06:54:49.13	0.71	0.65	46.0909	16.3971	3.1	2.6	134	2.6F	3.9	76	33	34	0.06	2.30	m	sx BUD	15283682	iLoc			62
2019/01/15	06:54:49.30		0.60	46.1030	16.3750				4.7A							a	ke LJU	15267165	ISC			360
2019/01/15	06:54:49.50	0.28		46.1090	16.3900	0.0	0.0		5.7F	3.3	14			0.45	1.63	a	ke RHSSO	15267168	ISC			360
2019/01/15	06:54:48.60	0.40	0.64	46.1291	16.4185	2.6	1.7	120	0.0F	0.0	24		7	1.10	1.57	a	sx VIE	15267161	ISC			360
2019/01/15	06:54:48.55	0.70	0.62	46.0973	16.4175	3.2	2.8	133	0.0S		76	33	35	0.04	2.32	m	sx BUD_GT	15326449	iLoc			64

(GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)

Magnitude	Err	Nsta	Author	OrigID
ML	2.3	0.2	12 BUD	15283682
ML	1.8		LJU	15267165
ML	1.8		RHSSO	15267168
mb	2.0		VIE	15267161
m1	2.0		VIE	15267161
ML	2.2	0.2	12 ILOC	15326449

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KALN	0.04	37.8	Pg	06:54:50.497	0.4				T__	278.8	15161.3			___	MLv	2.6	15326451	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
KALN	0.04	37.8	Lg	06:54:51.440	-0.2				T__					---			15326452	FDSN	CR	--	BUD	iLoc	BHE	???	_
(Station ML : 2.6 1																									
LOBO	0.25	283.5	Pg	06:54:53.690	-0.2				T__					---			15326453	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.25	283.5	Lg	06:54:56.740	-1.1				T__					---			15326454	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.37	238.9	Pg	06:54:55.997	0.0				T__	6.1	446.8			___	MLv	2.0	15326455	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.37	238.9	Lg	06:55:01.366	0.1				T__					---			15326456	FDSN	CR	--	BUD	iLoc	BHE	???	_
PTJ	0.37	238.9	Pg	06:54:56.180	-0.1				T__					---			15326457	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.37	238.9	Lg	06:55:00.340	-1.7				T__					---			15326458	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.0 0																									
KOGS	0.37	341.8	Pg	06:54:56.740	0.5				T__					---			15326459	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.37	341.8	Lg	06:55:02.170	0.6				T__					---			15326460	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.37	341.8	IAML	06:55:04.390	-99.0				---		72.4	0.14		---			15326461	FDSN	IR	--	ISC	iLoc	???	???	_
ZAG	0.40	228.2	Pg	06:54:57.100	0.4				T__					---			15326462	FDSN	IR	--	ISC	iLoc	???	???	_
ZAG	0.40	228.2	Lg	06:55:02.270	-0.2				T__					---			15326463	FDSN	IR	--	ISC	iLoc	???	???	_
ZAG	0.40	228.2	Pg	06:54:56.868	0.2				T__	5.9	1468.2			___	MLv	2.6	15326464	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.40	228.2	Lg	06:55:03.069	0.6				T__					---			15326465	FDSN	CR	--	BUD	iLoc	BHE	???	_
(Station ML : 2.6 1																									
BEHE	0.45	33.5	Pg	06:54:57.400	-0.7				T__					---			15326466	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.45	33.5	Lg	06:55:04.600	-0.2				T__					---			15326467	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.45	33.5	Pg	06:54:58.650	0.5				T__	5.0	456.9			___	MLv	2.2	15326468	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BEHE	0.45	33.5	Lg	06:55:05.545	0.7				T__					---			15326469	FDSN	HU	--	BUD	iLoc	BHZ	???	_
(Station ML : 2.2 1																									
MOSL	0.54	153.9	Pg	06:54:59.920	0.3				T__	4.9	299.7			___	MLv	2.3	15326470	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
MOSL	0.54	153.9	Lg	06:55:07.403	0.3				T__					---			15326471	FDSN	CR	--	BUD	iLoc	BHE	???	_
(Station ML : 2.3 1																									
GOLS	0.56	261.4	Pg	06:55:00.020	0.5				T__					---			15326472	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.56	261.4	Lg	06:55:07.520	-0.0				T__					---			15326473	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.56	261.4	IAML	06:55:09.710	-99.0				---		19.3	0.12		---			15326474	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.60	247.6	Pg	06:55:00.710	0.5				T__					---			15326475	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.60	247.6	Lg	06:55:08.510	-0.2				T__					---			15326476	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.60	247.6	IAML	06:55:09.630	-99.0				---		16.5	0.12		---			15326477	FDSN	IR	--	ISC	iLoc	???	???	_
A264A	0.61	83.8	Pn	06:55:03.928	-0.5				T__	4.0	1915.8			___	MLv	3.1	15326478	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 3.1 0																									
DOBS	0.66	274.9	Pg	06:55:01.670	0.3				T__					---			15326479	FDSN	IR	--	ISC	iLoc	???	???	_

DOBS	0.66	274.9	Lg	06:55:10.550	-0.1	T__					15326480	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.66	274.9	IAML	06:55:13.170	-99.0	---		16.7	0.14	---	15326481	FDSN	IR	--	ISC	iLoc	???	???	_
CESS	0.68	259.8	Pg	06:55:02.330	0.7	T__					15326482	FDSN	IR	--	ISC	iLoc	???	???	_
CESS	0.68	259.8	Lg	06:55:11.360	0.0	T__					15326483	FDSN	IR	--	ISC	iLoc	???	???	_
CESS	0.68	259.8	IAML	06:55:15.750	-99.0	---		63.4	0.26	---	15326484	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.72	248.3	Pg	06:55:02.930	0.4	T__					15326485	FDSN	IR	--	ISC	iLoc	???	???	_
A021A	0.78	328.4	Pn	06:55:05.720	-0.5	T__	8.9	496.1			15326486	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A021A	0.78	328.4	Sn	06:55:17.334	-1.2	T__					15326487	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 2.6 0																			
LEGS	0.78	259.4	Pg	06:55:03.950	0.4	T__					15326488	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	0.82	234.4	Pg	06:55:04.580	0.3	T__					15326489	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	0.82	234.4	Lg	06:55:15.210	-0.9	T__					15326490	FDSN	IR	--	ISC	iLoc	???	???	_
A263A	0.83	48.5	Pn	06:55:06.323	-0.3	T__	3.2	279.5			15326491	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A263A	0.83	48.5	Sn	06:55:18.438	-1.4	T__					15326492	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 2.4 1																			
A261A	0.99	30.3	Sn	06:55:24.590	0.8	T__					15326493	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A010A	1.00	346.7	Sn	06:55:23.974	0.0	T__					15326494	FDSN	Z3	00	BUD	iLoc	HHE	???	_
SOKA	1.12	301.7	Pg	06:55:10.410	0.4	T__		6.7	0.30	---	15326495	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	1.12	301.7	Lg	06:55:25.608	0.8	T__		5.3	0.48	---	15326496	FDSN	IR	--	ISC	iLoc	???	???	_
A051A	1.14	162.2	Pg	06:55:10.400	-0.6	T__					15326497	FDSN	IR	--	ISC	iLoc	???	???	_
A051A	1.14	162.2	Lg	06:55:26.000	0.6	T__					15326498	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	1.17	89.8	Pn	06:55:10.933	-0.3	T__	1.2	64.0			15326499	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	1.17	89.8	Lg	06:55:27.371	-0.2	T__					15326500	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 2.0 0																			
A252A	1.20	122.9	Pg	06:55:12.915	0.7	T__	2.0	103.3			15326501	FDSN	Z3	--	BUD	iLoc	HHZ	HHZ	_
A252A	1.20	122.9	Sn	06:55:30.184	1.2	T__					15326502	FDSN	Z3	--	BUD	iLoc	HHN	???	_
(Station ML : 2.2 1																			
ARSA	1.31	332.2	Pg	06:55:14.140	0.3	T__	1.7	76.4			15326503	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
ARSA	1.31	332.2	Lg	06:55:30.018	-0.2	T__					15326504	FDSN	OE	--	BUD	iLoc	BHE	???	_
ARSA	1.31	332.2	Pn	06:55:13.100	-0.6	T__					15326505	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.31	332.2	Pg	06:55:13.665	-0.2	T__		0.4	0.10	---	15326506	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.31	332.2	Lg	06:55:29.800	-0.4	T__					15326507	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.31	332.2	Sn	06:55:30.961	-0.5	T__		1.6	0.24	---	15326508	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.1 1																			
OBKA	1.36	288.3	Pg	06:55:13.800	-0.6	T__					15326509	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.36	288.3	Pb	06:55:14.358	-0.0	T__		0.9	0.20	---	15326510	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.36	288.3	Lg	06:55:31.900	-0.5	T__					15326511	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.36	288.3	Sg	06:55:32.285	-0.2	T__		4.4	0.36	---	15326512	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.36	288.3	Pn	06:55:14.750	-0.1	T__	1.3	74.9			15326513	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
OBKA	1.36	288.3	Sn	06:55:34.598	0.9	T__					15326514	FDSN	OE	--	BUD	iLoc	BHE	???	_
(Station ML : 2.1 1																			
BLY	1.42	157.4	Lg	06:55:35.844	1.3	T__					15326515	FDSN	MN	--	BUD	iLoc	BHN	???	_
BLY	1.45	157.9	Pn	06:55:15.800	0.1	T__					15326516	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	1.45	157.9	Lg	06:55:36.000	0.4	T__					15326517	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.55	84.9	Pg	06:55:17.800	-0.9	T__					15326518	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.55	84.9	Lg	06:55:38.900	-0.6	T__					15326519	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.61	357.1	Pn	06:55:18.044	0.3	T__		0.1	0.10	---	15326520	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.61	357.1	Sn	06:55:38.793	-0.1	T__		2.2	0.20	---	15326521	FDSN	IR	--	ISC	iLoc	???	???	_
A050A	1.62	177.1	Pn	06:55:18.400	-0.0	T__					15326522	FDSN	IR	--	ISC	iLoc	???	???	_
A050A	1.62	177.1	Sn	06:55:40.000	-0.8	T__					15326523	FDSN	IR	--	ISC	iLoc	???	???	_
SMRN	1.91	237.1	Pn	06:55:21.980	0.1	T__					15326524	FDSN	IR	--	ISC	iLoc	???	???	_
SMRN	1.91	237.1	Sn	06:55:46.290	-0.8	T__					15326525	FDSN	IR	--	ISC	iLoc	???	???	_
VIRC	2.05	208.6	Pn	06:55:24.260	0.2	T__					15326526	FDSN	IR	--	ISC	iLoc	???	???	_

VIRC	2.05	208.6	Sn	06:55:50.440	-0.6	T__	---	15326527	FDSN	IR	--	ISC	iLoc	???	???	_
MORI	2.29	193.0	Pn	06:55:28.210	0.5	T__	---	15326528	FDSN	IR	--	ISC	iLoc	???	???	_
MORI	2.29	193.0	Sn	06:55:56.670	-1.1	T__	---	15326529	FDSN	IR	--	ISC	iLoc	???	???	_
DUGI	2.32	205.1	Pn	06:55:28.630	0.7	T__	---	15326530	FDSN	IR	--	ISC	iLoc	???	???	_
DUGI	2.32	205.1	Sn	06:55:57.090	-1.4	T__	---	15326531	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/01/15	06:56:09.50	0.74	1.54	46.0824	16.4066	4.4	3.6	148	6.7F	5.6	30	15	76	0.06	1.32	m	sx BUD	15283827	iLoc			106
2019/01/15	06:56:10.60		0.50	46.0930	16.4120				3.8A							a	ke LJU	15267297	ISC			360
2019/01/15	06:56:11.31	0.62	0.66	46.1382	16.3412	3.8	2.3	101	0.0F	0.0	16		7	1.05	1.25	a	sx VIE	15267294	ISC			360
2019/01/15	06:56:10.20	0.83	0.68	46.1011	16.4091	3.8	3.4	150	0.0S		30	15	73	0.04	1.30	m	sx BUD_GT	15326594	iLoc			104

(GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.2	8 BUD	15283827
ML	1.3		LJU	15267297
ml	1.4		VIE	15267294
ML	2.1	0.2	8 ILOC	15326594

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KALN	0.04	47.0	Pg	06:56:11.869	0.1					T__	107.9	4688.2		---	MLv	2.1	15326596	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
KALN	0.04	47.0	Lg	06:56:12.636	-0.7					T__				---		15326597	FDSN	CR	--	BUD	iLoc	BHE	???	_	
KALN	0.04	47.1	Lg	06:56:12.780	-0.9					T__				---		15326598	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 2.1 1																									
LOBO	0.24	283.0	Pg	06:56:15.110	-0.3					T__				---		15326599	FDSN	IR	--	ISC	iLoc	???	???	_	
LOBO	0.24	283.0	Lg	06:56:18.120	-1.1					T__				---		15326600	FDSN	IR	--	ISC	iLoc	???	???	_	
PTJ	0.36	237.9	Pg	06:56:17.463	-0.1					T__	1.9	150.4		---	MLv	1.5	15326601	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.36	237.9	Lg	06:56:22.755	-0.1					T__				---		15326602	FDSN	CR	--	BUD	iLoc	BHN	???	_	
PTJ	0.36	237.9	Lg	06:56:22.230	-1.3					T__				---		15326603	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.5 0																									
KOGS	0.36	342.5	Pg	06:56:18.290	0.5					T__				---		15326604	FDSN	IR	--	ISC	iLoc	???	???	_	
KOGS	0.36	342.5	Lg	06:56:23.570	0.5					T__				---		15326605	FDSN	IR	--	ISC	iLoc	???	???	_	
KOGS	0.36	342.5	IAML	06:56:26.770	-99.0					---		26.6	0.19	---		15326606	FDSN	IR	--	ISC	iLoc	???	???	_	
ZAG	0.40	227.2	Pg	06:56:19.332	1.0					T__	2.0	1106.3		---	MLv	2.5	15326607	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.40	227.2	Lg	06:56:24.308	0.2					T__				---		15326608	FDSN	CR	--	BUD	iLoc	BHE	???	_	
(Station ML : 2.5 1																									
BEHE	0.45	34.4	Lg	06:56:26.413	-0.0					T__				---		15326609	FDSN	HU	--	BUD	iLoc	BHN	???	_	
MOSL	0.54	153.5	Pg	06:56:21.461	0.0					T__	3.2	108.1		---	MLv	1.8	15326610	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
MOSL	0.54	153.5	Lg	06:56:28.516	-0.4					T__				---		15326611	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.8 1																									
GOLS	0.55	260.9	Pg	06:56:21.940	0.8					T__				---		15326612	FDSN	IR	--	ISC	iLoc	???	???	_	
GOLS	0.55	260.9	Lg	06:56:29.900	0.9					T__				---		15326613	FDSN	IR	--	ISC	iLoc	???	???	_	
GOLS	0.55	260.9	IAML	06:56:31.130	-99.0					---		5.2	0.11	---		15326614	FDSN	IR	--	ISC	iLoc	???	???	_	
GCIS	0.59	247.0	Pg	06:56:22.230	0.5					T__				---		15326615	FDSN	IR	--	ISC	iLoc	???	???	_	
GCIS	0.59	247.0	Lg	06:56:30.510	0.3					T__				---		15326616	FDSN	IR	--	ISC	iLoc	???	???	_	
GCIS	0.59	247.0	IAML	06:56:31.010	-99.0					---		5.6	0.13	---		15326617	FDSN	IR	--	ISC	iLoc	???	???	_	
A264A	0.61	84.2	Pg	06:56:23.470	0.5					T__	4.1	3359.0		---	MLv	3.4	15326618	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 3.4 0																									
A021A	0.77	328.6	Pn	06:56:27.246	-0.5					T__	2.6	158.1		---	MLv	2.1	15326619	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A021A	0.77	328.6	Sn	06:56:38.739	-1.3					T__				---		15326620	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
(Station ML : 2.1 1																									

SOKA	1.11	301.7	Pg	06:56:31.229	-0.3	T__				2.5	0.30	---		15326621	FDSN	IR	--	ISC	iLoc	???	???	_	
SOKA	1.11	301.7	Lg	06:56:45.443	-0.8	T__				0.5	0.16	---		15326622	FDSN	IR	--	ISC	iLoc	???	???	_	
KOVH	1.18	90.0	Pn	06:56:32.450	-0.5	T__	1.1			43.9		---	MLv	1.8	15326623	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	1.18	90.0	Sn	06:56:50.414	0.5	T__						---		15326624	FDSN	HU	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.8 1																							
A252A	1.21	122.9	Pg	06:56:34.257	0.2	T__	1.6			70.4		---	MLv	2.0	15326625	FDSN	Z3	--	BUD	iLoc	HHZ	HHZ	_
A252A	1.21	122.9	Sn	06:56:51.882	1.1	T__						---		15326626	FDSN	Z3	--	BUD	iLoc	HHE	???	_	
(Station ML : 2.0 1																							
ARSA	1.30	332.4	Lg	06:56:51.737	0.0	T__						---		15326627	FDSN	OE	--	BUD	iLoc	BHE	???	_	
ARSA	1.30	332.4	Pg	06:56:35.201	-0.2	T__				1.7	0.44	---		15326628	FDSN	IR	--	ISC	iLoc	???	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/01/15	08:15:18.77	1.27	0.86	47.3700	18.4065	8.0	5.6	134	0.0S		9	6	111	0.10	1.17	m	sx	BUD	15283901	iLoc		205
(description : suspected quarry blast)																						
(locality : Gánt Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.2	3 ILOC	15283901

Sta	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	266.1	Pg	08:15:21.268	-0.1					T__	58.4	2621.9		---	MLv	2.0	15283903	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.10	266.1	Lg	08:15:23.053	-0.9					T__				---		15283904	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 2.0 1																									
A269A	0.27	356.5	Lg	08:15:30.095	0.4					T__				---		15283905	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
A268A	0.33	280.8	Lg	08:15:33.217	1.4					T__				---		15283906	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
PSZ	1.15	60.8	Sn	08:15:58.473	-0.6					T__				---		15283907	FDSN	GE	--	BUD	iLoc	BHE	???	_	
VYHS	1.16	14.2	Pg	08:15:41.781	-0.5					T__	0.8	17.1		---	MLv	1.4	15283908	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.16	14.2	Sn	08:15:58.625	-0.8					T__				---		15283909	FDSN	SK	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.4 1																									
MORH	1.17	171.9	Pg	08:15:42.239	0.2					T__	0.9	13.0		---	MLv	1.3	15283910	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.17	171.9	Sn	08:15:58.116	-0.5					T__				---		15283911	FDSN	HU	--	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
2019/01/16	10:26:21.70	1.04	0.78	48.6037	20.7711	7.8	5.6	2	0.0S		17	11	86	0.22	1.74	m	sx	BUD	15283925	iLoc		109
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.7	9 ILOC	15283925

Sta	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	237.7	Pg	10:26:26.324	-0.1					T__	80.1	3169.0		---	MLv	2.4	15283927	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.22	237.7	Lg	10:26:30.063	0.0					T__				---		15283928	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Station ML : 2.4 0																									
ABAH	0.44	134.4	Pg	10:26:30.824	0.2					T__	3.3	88.3		---	MLv	1.5	15283929	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.44	134.4	Lg	10:26:37.697	-0.5					T__				---		15283930	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.5 1																									
NIE	0.87	339.9	Pn	10:26:39.625	-0.7					T__	1.3	31.8		---	MLv	1.5	15283931	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_

```

(Station ML : 1.5 1
STHS 0.87 20.7 Pn 10:26:39.818 -0.5 T__ 3.3 103.6 ___ MLv 2.0 15283932 FDSN SK -- BUD iLoc EHZ EHZ _
(Station ML : 2.0 1
PSZ 0.90 220.8 Pn 10:26:40.204 -0.5 T__ 2.4 88.2 ___ MLv 1.9 15283933 FDSN GE -- BUD iLoc BHZ BHZ _
PSZ 0.90 220.8 Lg 10:26:54.308 0.1 T__ ___ 15283934 FDSN GE -- BUD iLoc BHE ??? _
(Station ML : 1.9 1
HOLU 1.07 93.5 Pn 10:26:43.361 0.4 T__ ___ 15283935 FDSN UA -- BUD iLoc MHZ ??? _
A336A 1.24 253.2 Pg 10:26:46.408 -0.2 T__ 2.9 109.7 ___ MLv 2.2 15283936 FDSN Z3 00 BUD iLoc HHZ HHZ _
A336A 1.24 253.2 Sn 10:27:03.539 -0.3 T__ ___ 15283937 FDSN Z3 00 BUD iLoc HH2 ??? _
(Station ML : 2.2 1
TRPA 1.27 111.2 Pg 10:26:46.337 0.2 T__ 1.3 19.2 ___ MLv 1.5 15283938 FDSN HU -- BUD iLoc BHZ BHZ _
TRPA 1.27 111.2 Sn 10:27:03.642 -1.2 T__ ___ 15283939 FDSN HU -- BUD iLoc BHE ??? _
(Station ML : 1.5 1
VYHS 1.29 265.8 Pn 10:26:46.896 0.8 T__ 2.5 13.2 ___ MLv 1.3 15283940 FDSN SK -- BUD iLoc HHZ HHZ _
VYHS 1.29 265.8 Sn 10:27:04.645 -0.9 T__ ___ 15283941 FDSN SK -- BUD iLoc HHN ??? _
(Station ML : 1.3 0
STZU 1.29 70.7 Pn 10:26:48.305 2.0 T__ ___ 15283942 FDSN UA -- BUD iLoc MHZ ??? _
OJC 1.74 338.9 Pg 10:26:55.793 -0.1 T__ 2.2 87.2 ___ MLv 2.4 15283943 FDSN PL -- BUD iLoc BHZ BHZ _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2019/01/17 09:04:05.75 2.54 0.66 47.3468 18.3989 18.3 6.0 143 0.0S 7 6 147 0.10 1.19 m sx BUD 15283981 iLoc 255
(description : suspected quarry blast)
(locality : Gánt Hungary)

```

```

Magnitude Err Nsta Author OrigID
Sta 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 0.10 280.0 Pg 09:04:08.608 0.3 T__ 1887.5 ___ MLv 15283983 FDSN HU -- BUD iLoc HHZ HHZ _
CSKK 0.10 280.0 Lg 09:04:10.511 -0.3 T__ ___ 15283984 FDSN HU -- BUD iLoc HHN ??? _
A269A 0.29 357.8 Lg 09:04:17.972 0.5 T__ ___ 15283985 FDSN Z3 00 BUD iLoc HHN ??? _
A268A 0.33 284.8 Lg 09:04:18.197 -0.6 T__ ___ 15283986 FDSN Z3 00 BUD iLoc HHE ??? _
A336A 0.97 24.3 Lg 09:04:39.784 -0.9 T__ ___ 15283987 FDSN Z3 00 BUD iLoc HH2 ??? _
MORH 1.14 171.4 Sn 09:04:45.371 0.3 T__ ___ 15283988 FDSN HU -- BUD iLoc BHE ??? _
VYHS 1.19 14.2 Sn 09:04:46.694 -0.3 T__ ___ 15283989 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
2019/01/17 09:18:44.82 1.58 0.69 47.3466 18.3921 11.1 4.9 150 0.0S 7 4 111 0.09 1.17 m sx BUD 15283994 iLoc 220
(description : suspected quarry blast)
(locality : Gánt Hungary)

```

```

Magnitude Err Nsta Author OrigID
ML 1.9 0.2 3 ILOC 15283994
Sta 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 0.09 280.6 Pg 09:18:47.567 0.3 T__ 45.4 2082.4 ___ MLv 1.9 15283996 FDSN HU -- BUD iLoc HHE HHZ _
CSKK 0.09 280.6 Lg 09:18:49.206 -0.5 T__ ___ 15283997 FDSN HU -- BUD iLoc HHN ??? _
(Station ML : 1.9 1
A269A 0.29 358.7 Pg 09:18:51.503 0.4 T__ 3.0 160.4 ___ MLv 1.3 15283998 FDSN Z3 00 BUD iLoc HHZ HHZ _

```



```

A269A 0.29 358.7 Lg      09:18:56.115 -0.5      T__          ---          15283999  FDSN Z3      00 BUD  iLoc HHE ??? _
(Station ML : 1.3 1
MORH  1.14 171.2 Sn      09:19:24.566  0.4      T__          ---          15284000  FDSN HU      -- BUD  iLoc BHE ??? _
PSZ   1.17  60.1 Pg      09:19:09.312 -0.0      T__  1.5      71.2      --- MLv  2.0 15284001  FDSN GE      -- BUD  iLoc BHZ BHZ _
PSZ   1.17  60.1 Sn      09:19:24.570 -1.0      T__          ---          15284002  FDSN GE      -- 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
2019/01/17 10:18:21.74 1.27  0.51 47.2501 18.2879  8.1  5.0 113  0.0S  8  5 150  0.11  1.30 m  kx BUD      15284016  iLoc      245
2019/01/17 10:18:21.50f 0.53  47.2302 18.2835f  0.0S  8  149  0.13  1.32 a  kx BUD_GT 15327331  BUD      247

```

```

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

```

```

Magnitude Err Nsta Author      OrigID
ML 1.2 0.1 3 BUD      15284016
ML 1.2 0.0 3 ILOC    15327331

```

```

Sta  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 0.13 353.4 Pg      10:18:24.889  0.1  T__  8.3  353.8  --- MLv  1.2 15328972  FDSN HU      -- BUD  BUD  HHZ HHZ _
CSKK 0.13 353.4 Lg      10:18:26.933 -1.0  T__          ---          15328973  FDSN HU      -- BUD  BUD  HHN ??? _
(Station ML : 1.2 1
A268A 0.32 309.6 Lg      10:18:34.225  0.2  T__          ---          15328974  FDSN Z3      00 BUD  BUD  HHE ??? _
MPLH  0.51 263.5 Pg      10:18:32.597  0.5  T__  1.4  51.9  --- MLv  1.4 15328975  FDSN HU      -- BUD  BUD  BHZ BHZ _
MPLH  0.51 263.5 Lg      10:18:39.815 -0.2  T__          ---          15328976  FDSN HU      -- BUD  BUD  BHE ??? _
(Station ML : 1.4 1
MORH  1.04 166.1 Sn      10:18:58.201 -0.1  T__          ---          15328977  FDSN HU      -- BUD  BUD  BHN ??? _
VYHS  1.32 16.2 Pg      10:18:48.123 -0.0  T__  1.4  10.0  --- MLv  1.2 15328978  FDSN SK      -- BUD  BUD  HHZ HHZ _
VYHS  1.32 16.2 Sn      10:19:05.067 -0.9  T__          ---          15328979  FDSN SK      -- BUD  BUD  HHN ??? _

```

```

Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef  Nsta Gap  mdist  Mdist Qual  Author      OrigID  Rep  DPdep  Err Sgp
2019/01/18 04:40:51.35 0.29  0.62 46.1670 16.5697  3.7  1.5  31  19 72  0.09  1.44 m  ke BUD      15227721  sysop@krszo  360
2019/01/18 04:40:49.90 0.60  46.2010 16.6090  20.9A  4.5  52  26 40  0.09  1.45 m  ke BUD_GT 15284039  iLoc      78
2019/01/18 04:40:51.55 0.83  0.78 46.2531 16.5314  5.2  2.6 98 14.9F 0.0 14 7 1.12 1.21 a ke VIE      15267338  ISC      360
2019/01/18 04:40:50.96 0.94  0.67 46.1647 16.5735  3.4  2.8 163 1.2F 4.5 52 26 40 0.09 1.45 m ke BUD_GT 15284039  iLoc      78

```

```

(GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)

```

```

Magnitude Err Nsta Author      OrigID
M 2.0 12 BUD      15227721
MLv 2.0 0.2 12 BUD      15227721
ML 1.2 LJU      15267342
mb 1.6 VIE      15267338
ml 1.4 VIE      15267338
ML 2.0 0.2 14 ILOC    15284039

```

```

Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per  Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
KALN 0.09 247.8 Pg      04:40:53.130 -0.2  T__          ---          15284041  FDSN IR      -- ISC  iLoc ??? ??? _
KALN 0.09 247.8 Lg      04:40:55.120 -0.1  T__          ---          15284042  FDSN IR      -- ISC  iLoc ??? ??? _
KALN 0.09 247.8 Pg      04:40:53.288  0.1  T__  7.5  365.0  --- MLv  1.1 15284043  FDSN CR      -- BUD  iLoc BHZ BHZ _

```

KALN	0.09	247.8	Lg	04:40:55.445	0.6	T__				15284044	FDSN	CR	--	BUD	iLoc	BHE	???	_		
(Station ML	: 1.1 0																			
BEHE	0.34	24.5	Pg	04:40:57.259	-0.8	T__	3.5	266.0	---	MLv	1.7	15284045	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BEHE	0.34	24.5	Lg	04:41:02.195	-0.6	T__			---			15284046	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML	: 1.7 0																			
KOGS	0.36	321.8	IAML	04:41:03.700	-99.0	---		6.4	0.05	---		15284047	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.36	321.8	Pg	04:40:57.921	-0.3	T__	2.4	548.5	---	MLv	2.0	15284048	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.36	321.8	Lg	04:41:02.959	-0.1	T__			---			15284049	FDSN	SL	--	BUD	iLoc	BHE	???	_
(Station ML	: 2.0 1																			
PTJ	0.49	238.8	Pg	04:41:00.821	0.1	T__	1.2	124.6	---	MLv	1.8	15284050	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.49	238.8	Pg	04:41:00.570	-0.4	T__			---			15284051	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.49	238.8	Lg	04:41:06.490	-1.7	T__			---			15284052	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML	: 1.8 1																			
A264A	0.50	90.3	Pg	04:41:00.708	-0.4	T__	1.8	222.2	---	MLv	2.0	15284053	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A264A	0.50	90.3	Lg	04:41:08.217	0.4	T__			---			15284054	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML	: 2.0 1																			
ZAG	0.53	230.6	Lg	04:41:08.913	0.2	T__			---			15284055	FDSN	CR	--	BUD	iLoc	BHN	???	_
MOSL	0.57	167.0	Pg	04:41:02.210	-0.1	T__	4.4	159.7	---	MLv	2.0	15284056	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
MOSL	0.57	167.0	Lg	04:41:09.700	-0.2	T__			---			15284057	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.57	167.0	Lg	04:41:10.051	0.2	T__			---			15284058	FDSN	CR	--	BUD	iLoc	BHN	???	_
(Station ML	: 2.0 1																			
GOLS	0.68	257.2	Pg	04:41:03.330	-0.9	T__			---			15284059	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.68	257.2	IAML	04:41:18.020	-99.0	---		4.6	0.18	---		15284060	FDSN	IR	--	ISC	iLoc	???	???	_
A263A	0.70	46.9	Pg	04:41:05.280	0.3	T__	2.0	226.6	---	MLv	2.2	15284061	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A263A	0.70	46.9	Lg	04:41:14.888	0.4	T__			---			15284062	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML	: 2.2 0																			
A262A	0.70	357.4	Pg	04:41:05.065	0.2	T__	1.8	197.1	---	MLv	2.2	15284063	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A262A	0.70	357.4	Lg	04:41:15.076	1.1	T__			---			15284064	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML	: 2.2 1																			
DOBS	0.77	269.3	Pg	04:41:05.620	-0.2	T__			---			15284065	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.77	269.3	IAML	04:41:20.890	-99.0	---		4.7	0.15	---		15284066	FDSN	IR	--	ISC	iLoc	???	???	_
A021A	0.79	319.1	Pg	04:41:07.087	1.0	T__	1.8	82.7	---	MLv	1.9	15284067	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A021A	0.79	319.1	Sn	04:41:18.626	-1.7	T__			---			15284068	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML	: 1.9 1																			
GROS	0.80	292.1	Pg	04:41:06.940	0.5	T__			---			15284069	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.85	246.9	Pg	04:41:07.793	0.4	T__	1.2	284.3	---	MLv	2.4	15284070	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.85	246.9	Lg	04:41:20.465	0.8	T__			---			15284071	FDSN	SL	--	BUD	iLoc	BHE	???	_
CRES	0.85	246.9	Pg	04:41:07.470	0.1	T__			---			15284072	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.85	246.9	Lg	04:41:20.580	0.9	T__			---			15284073	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.85	246.9	IAML	04:41:23.080	-99.0	---		1.4	0.11	---		15284074	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML	: 2.4 0																			
A261A	0.88	26.5	Lg	04:41:20.477	-0.0	T__			---			15284075	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A265A	0.89	72.5	Lg	04:41:21.570	1.0	T__			---			15284076	FDSN	Z3	00	BUD	iLoc	HHE	???	_
LEGS	0.90	256.6	Pg	04:41:08.230	-0.1	T__			---			15284077	FDSN	IR	--	ISC	iLoc	???	???	_
LEGS	0.90	256.6	Lg	04:41:21.950	0.6	T__			---			15284078	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	0.95	235.0	Pg	04:41:09.690	0.6	T__			---			15284079	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	0.95	235.0	Lg	04:41:22.010	-0.7	T__			---			15284080	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	1.06	93.6	Pn	04:41:11.678	-0.1	T__	2.0	58.8	---	MLv	1.9	15284081	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	1.06	93.6	Lg	04:41:26.063	0.0	T__			---			15284082	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML	: 1.9 1																			
PKDS	1.10	265.2	Pg	04:41:12.370	0.3	T__			---			15284083	FDSN	IR	--	ISC	iLoc	???	???	_
A252A	1.15	128.8	Pn	04:41:13.100	-0.2	T__	1.7	65.1	---	MLv	2.0	15284084	FDSN	Z3	--	BUD	iLoc	HHZ	HHZ	_
A252A	1.15	128.8	Lg	04:41:28.284	0.3	T__			---			15284085	FDSN	Z3	--	BUD	iLoc	HHZ	???	_

(Station ML : 2.0 1	TIH 1.17 50.5 Pn	04:41:13.236 -0.0	T__	1.9	119.1	---	MLv	2.2	15284086	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.2 1	SOKA 1.18 296.3 Pg	04:41:13.420 -0.2	T__		0.2	0.16	---		15284087	FDSN	IR	--	ISC	iLoc	???	???	_
	SOKA 1.18 296.3 Lg	04:41:27.609 -1.6	T__		0.5	0.18	---		15284088	FDSN	IR	--	ISC	iLoc	???	???	_
	MPLH 1.21 33.1 Pn	04:41:13.442 -0.4	T__	0.9	48.6		MLv	1.9	15284089	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
	MPLH 1.21 33.1 Sn	04:41:30.439 -0.2	T__				---		15284090	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.9 1	ARSA 1.30 326.7 Sn	04:41:31.979 -1.0	T__				---		15284091	FDSN	OE	--	BUD	iLoc	BHZ	???	_
	ARSA 1.30 326.7 Pn	04:41:15.653 0.0	T__		0.2	0.12	---		15284092	FDSN	IR	--	ISC	iLoc	???	???	_
	ARSA 1.30 326.7 Sn	04:41:31.691 -1.3	T__		0.5	0.16	---		15284093	FDSN	IR	--	ISC	iLoc	???	???	_
	MORH 1.44 87.2 Lg	04:41:38.429 0.7	T__				---		15284094	FDSN	HU	--	BUD	iLoc	BHN	???	_
	PLIT 1.45 207.8 Pg	04:41:18.650 0.4	T__				---		15284095	FDSN	IR	--	ISC	iLoc	???	???	_
	PLIT 1.45 207.8 Sn	04:41:37.820 0.0	T__				---		15284096	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/01/18	05:47:21.96	0.76	0.72	46.2282	16.6715	4.9	2.4	112	15.0F	0.0	15	7	1.22	1.49	a	ke	VIE	15267403	ISC			360
2019/01/18	05:47:22.77	0.78	0.69	46.1782	16.5978	3.5	2.8	115	3.9F	7.7	42	18	69	0.11	1.54	m	ke	BUD	15284162	iLoc		108

Magnitude	Err	Nsta	Author	OrigID
mb	1.8		VIE	15267403
ml	1.7		VIE	15267403
ML	2.0	0.2	15 ILOC	15284162

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
KALN	0.11	244.6	Pg	05:47:25.370	-0.1					T__						15284164	FDSN	IR	--	ISC	iLoc	???	???	_	
KALN	0.11	244.6	Lg	05:47:27.330	-0.3					T__						15284165	FDSN	IR	--	ISC	iLoc	???	???	_	
KALN	0.11	244.7	Pg	05:47:25.549	0.2					T__	8.8	503.3			MLv	1.3	15284166	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
KALN	0.11	244.7	Lg	05:47:27.672	0.4					T__					---	15284167	FDSN	CR	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.3 0	BEHE 0.32 22.8 Pg	05:47:29.412	0.0							T__	4.0	366.6			MLv	1.7	15284168	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
	BEHE 0.32 22.8 Lg	05:47:34.399	0.5							T__					---	15284169	FDSN	HU	--	BUD	iLoc	BHZ	???	_	
(Station ML : 1.7 1	KOGS 0.36 318.4 Pg	05:47:30.073	0.0							T__	2.9	797.0			MLv	2.2	15284170	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
	KOGS 0.36 318.4 Lg	05:47:35.315	0.4							T__					---	15284171	FDSN	SL	--	BUD	iLoc	BHE	???	_	
(Station ML : 2.2 1	LOBO 0.37 266.6 Pg	05:47:30.250	0.0							T__					---	15284172	FDSN	IR	--	ISC	iLoc	???	???	_	
	LOBO 0.37 266.6 Lg	05:47:34.700	-0.7							T__					---	15284173	FDSN	IR	--	ISC	iLoc	???	???	_	
	PTJ 0.52 238.5 Pg	05:47:33.164	0.2							T__	1.1	88.2			MLv	1.7	15284174	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
	PTJ 0.52 238.5 Lg	05:47:40.972	0.9							T__					---	15284175	FDSN	CR	--	BUD	iLoc	BHE	???	_	
	PTJ 0.52 238.5 Pg	05:47:33.060	-0.2							T__					---	15284176	FDSN	IR	--	ISC	iLoc	???	???	_	
	PTJ 0.52 238.5 Lg	05:47:40.030	-0.7							T__					---	15284177	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.7 0	MOSL 0.58 169.0 Pg	05:47:34.290	-0.1							T__					---	15284178	FDSN	IR	--	ISC	iLoc	???	???	_	
	MOSL 0.58 169.0 Pg	05:47:34.440	0.1							T__	3.9	152.5			MLv	2.0	15284179	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
	MOSL 0.58 169.0 Lg	05:47:42.150	0.2							T__					---	15284180	FDSN	IR	--	ISC	iLoc	???	???	_	
	MOSL 0.58 169.0 Lg	05:47:42.674	0.7							T__					---	15284181	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Station ML : 2.0 1	A263A 0.68 46.7 Pg	05:47:36.200	-0.2							T__	3.7	294.8			MLv	2.3	15284182	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
	A263A 0.68 46.7 Sn	05:47:47.030	-2.1							T__					---	15284183	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
(Station ML : 2.3 0																									

A262A	0.69	356.0	Pn	05:47:37.216	-1.1	T__	3.1	363.3	___	MLv	2.4	15284184	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A262A	0.69	356.0	Sn	05:47:47.304	-2.0	T__			---			15284185	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 2.4 0)																				
A021A	0.79	317.6	Pn	05:47:39.338	-0.5	T__	3.0	168.3	___	MLv	2.2	15284186	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.2 1)																				
A265A	0.87	73.0	Pn	05:47:40.574	0.0	T__	1.6	206.8	___	MLv	2.3	15284187	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A265A	0.87	73.0	Sn	05:47:52.646	-1.0	T__			---			15284188	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 2.3 1)																				
CRES	0.87	246.5	Pg	05:47:40.048	0.5	T__	1.3	308.1	___	MLv	2.5	15284189	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.87	246.5	Lg	05:47:52.669	0.5	T__			---			15284190	FDSN	SL	--	BUD	iLoc	BHE	???	_
(Station ML : 2.5 0)																				
KOVH	1.05	94.4	Pg	05:47:43.457	0.2	T__	2.1	55.5	___	MLv	1.8	15284191	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	1.05	94.4	Sn	05:47:57.961	-0.1	T__			---			15284192	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.8 1)																				
A252A	1.15	129.9	Pg	05:47:44.745	-0.3	T__	2.2	77.3	___	MLv	2.0	15284193	FDSN	Z3	--	BUD	iLoc	HHZ	HHZ	_
A252A	1.15	129.9	Sn	05:47:59.956	-0.6	T__			---			15284194	FDSN	Z3	--	BUD	iLoc	HHE	???	_
(Station ML : 2.0 1)																				
MPLH	1.19	32.8	Pg	05:47:45.555	-0.2	T__	1.8	67.7	___	MLv	2.0	15284195	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	1.19	32.8	Lg	05:48:03.751	1.1	T__			---			15284196	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 2.0 1)																				
SOKA	1.19	295.4	Pn	05:47:45.869	0.0	T__		0.6	0.18	---		15284197	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	1.19	295.4	Lg	05:48:01.872	0.5	T__		1.6	0.22	---		15284198	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.30	325.8	Pg	05:47:48.037	0.7	T__	1.1	59.5	___	MLv	2.0	15284199	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
ARSA	1.30	325.8	Lg	05:48:04.577	0.3	T__			---			15284200	FDSN	OE	--	BUD	iLoc	BHE	???	_
ARSA	1.30	325.8	Pg	05:47:47.814	0.4	T__		0.3	0.12	---		15284201	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.30	325.8	Lg	05:48:03.878	-0.4	T__		1.1	0.14	---		15284202	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.0 1)																				
MORH	1.42	87.7	Pg	05:47:50.175	0.1	T__	1.5	13.8	___	MLv	1.4	15284203	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 1.4 0)																				
RONA	1.54	352.4	Pn	05:47:50.179	-0.0	T__		0.1	0.06	---		15284204	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.54	352.4	Lg	05:48:11.728	-1.1	T__		1.0	0.22	---		15284205	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/01/21	10:57:55.09	0.90	1.08	48.5993	20.7396	5.8	4.7	177	0.0S		19	11	87	0.20	1.29	m	sx BUD	15284273	iLoc			109
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.3	9 ILOC	15284273

Sta	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	0.20	235.6	Pg	10:57:59.316	-0.1					T__	40.7	1441.6		___	MLv	2.0	15284275	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.20	235.6	Lg	10:58:03.417	0.7					T__				---			15284276	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 2.0 1)																									
ABAH	0.45	132.2	Pg	10:58:03.938	-0.3					T__	2.2	119.7		___	MLv	1.6	15284277	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.45	132.2	Lg	10:58:13.195	1.2					T__				---			15284278	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.6 1)																									
NIE	0.87	341.3	Pn	10:58:14.543	0.8					T__	1.1	33.4		___	MLv	1.5	15284279	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 1.5 1)																									
STHS	0.88	21.9	Pn	10:58:12.578	-1.3					T__	3.0	109.3		___	MLv	2.0	15284280	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
STHS	0.88	21.9	Lg	10:58:24.432	-0.2					T__				---			15284281	FDSN	SK	--	BUD	iLoc	EHN	???	_

(Station ML : 2.0 1)																				
PSZ	0.89	220.0	Pn	10:58:14.069	0.2	T__	2.2	80.5	___	MLv	1.9	15284282	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.89	220.0	Lg	10:58:26.489	-0.5	T__			---			15284283	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.9 1)																				
LANS	1.00	303.8	Pg	10:58:15.149	0.2	T__	4.0	47.0	___	MLv	1.7	15284284	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 1.7 1)																				
KOLS	1.07	71.2	Pn	10:58:17.516	1.1	T__			---			15284285	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	1.07	71.2	Sn	10:58:32.725	-1.1	T__			---			15284286	FDSN	SK	--	BUD	iLoc	HHN	???	_
HOLU	1.09	93.2	Pg	10:58:15.911	-0.1	T__			---			15284287	FDSN	UA	--	BUD	iLoc	MHZ	???	_
A336A	1.22	253.1	Pg	10:58:19.618	0.1	T__	2.4	80.0	___	MLv	2.1	15284288	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A336A	1.22	253.1	Sn	10:58:37.218	0.5	T__			---			15284289	FDSN	Z3	00	BUD	iLoc	HH2	???	_
(Station ML : 2.1 0)																				
VVHS	1.27	265.9	Pg	10:58:19.971	-0.6	T__	1.4	8.8	___	MLv	1.1	15284290	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VVHS	1.27	265.9	Sn	10:58:38.035	-0.3	T__			---			15284291	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.1 0)																				
TRPA	1.29	110.7	Pn	10:58:18.467	-0.8	T__	1.9	20.3	___	MLv	1.5	15284292	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
TRPA	1.29	110.7	Sn	10:58:35.425	-3.2	T__			---			15284293	FDSN	HU	--	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
2019/01/21	11:06:36.28	0.88	1.57	47.0978	17.9800	3.9	3.5	107	0.0S		14	7	86	0.21	1.51	m	sx BUD	15284331	iLoc			143
(description : suspected quarry blast)																						
(locality : Királyszentistván Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.2	5 ILOC	15284331

Sta	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	0.21	196.8	Lg	11:06:45.500	0.7					T__		0.7				15284333	FDSN	IR	--	ISC	iLoc	???	???	_	
TIH	0.21	197.7	Pg	11:06:41.046	0.1					T__	8.4	574.0		___	MLv	1.6	15284334	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TIH	0.21	197.7	Lg	11:06:44.485	-0.3					T__				---		15284335	FDSN	HU	--	BUD	iLoc	HHE	???	_	
(Station ML : 1.6 0)																									
MPLH	0.31	283.7	Pg	11:06:43.059	0.1					T__	2.0	56.4		___	MLv	0.9	15284336	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.31	283.7	Lg	11:06:45.299	-2.9					T__				---		15284337	FDSN	HU	--	BUD	iLoc	BHN	???	_	
MPLH	0.31	283.7	Lg	11:06:51.800	3.5					T__		0.1		---		15284338	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 0.9 0)																									
CSKK	0.33	35.7	Pg	11:06:44.200	0.9					T__		1.3		---		15284339	FDSN	IR	--	ISC	iLoc	???	???	_	
CSKK	0.33	35.7	Pg	11:06:43.161	-0.2					T__	4.2	128.7		___	MLv	1.3	15284340	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.33	35.7	Lg	11:06:48.767	-0.7					T__				---		15284341	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.3 1)																									
A267A	0.38	113.6	Pg	11:06:44.575	0.4					T__	2.5	189.0		___	MLv	1.6	15284342	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.6 1)																									
MORH	0.99	152.3	Pg	11:06:55.844	-0.2					T__	1.5	14.0		___	MLv	1.2	15284343	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	0.99	152.3	Lg	11:07:10.491	-0.2					T__				---		15284344	FDSN	HU	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.2 1)																									
MODS	1.36	339.9	Pn	11:07:00.000	-1.8					T__				---		15284345	FDSN	IR	--	ISC	iLoc	???	???	_	
VVHS	1.51	22.1	Pn	11:07:02.500	-1.2					T__		0.0		---		15284346	FDSN	IR	--	ISC	iLoc	???	???	_	

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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2019/01/22 08:55:42.79 1.16 0.63 48.5448 20.7795 11.1 3.9 4 0.0S 15 7 94 0.20 1.29 m sx BUD 15284372 iLoc 159
 (description : suspected quarry blast)
 (locality : Gánt Hungary)

Magnitude Err Nsta Author OrigID
 ML 1.6 0.1 5 ILOC 15284372

Sta	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	0.20	252.6	Pg	08:55:46.840	-0.3					T__	16.4	603.3		___	MLv	1.7	15284374	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_	
KECS	0.20	252.6	Lg	08:55:51.294	0.8					T__				___		15284375	FDSN	SK	--	BUD	iLoc	EHE	???	_		
(Station ML : 1.7 1)																										
ABAH	0.39	128.9	Pg	08:55:50.973	0.0					T__	1.6	77.4		___	MLv	1.3	15284376	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ABAH	0.39	128.9	Lg	08:55:57.668	-0.2					T__				___		15284377	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Station ML : 1.3 0)																										
PSZ	0.86	223.7	Pn	08:56:01.400	0.2					T__		0.1		___		15284378	FDSN	IR	--	ISC	iLoc	???	???	_		
PSZ	0.86	223.7	Pg	08:56:00.424	-0.6					T__	1.4	67.6		___	MLv	1.8	15284379	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	0.86	223.7	Lg	08:56:14.080	0.1					T__				___		15284380	FDSN	GE	--	BUD	iLoc	BHE	???	_		
(Station ML : 1.8 0)																										
NIE	0.93	340.8	Pn	08:56:02.456	0.2					T__	1.3	35.8		___	MLv	1.6	15284381	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_	
NIE	0.93	340.8	Sn	08:56:16.451	-1.5					T__				___		15284382	FDSN	PL	--	BUD	iLoc	BHE	???	_		
NIE	0.93	340.3	Pn	08:56:03.100	0.8					T__		0.0		___		15284383	FDSN	IR	--	ISC	iLoc	???	???	_		
(Station ML : 1.6 1)																										
KOLS	1.06	68.0	Pn	08:56:03.937	-0.1					T__				___		15284384	FDSN	SK	--	BUD	iLoc	HHZ	???	_		
KOLS	1.06	68.0	Lg	08:56:19.334	-0.2					T__				___		15284385	FDSN	SK	--	BUD	iLoc	HHE	???	_		
HOLU	1.07	90.4	Pn	08:56:03.477	-0.4					T__				___		15284386	FDSN	UA	--	BUD	iLoc	MHZ	???	_		
VYHS	1.29	268.5	Pn	08:56:07.697	0.5					T__	2.8	12.1		___	MLv	1.3	15284387	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_	
VYHS	1.29	268.5	Sn	08:56:26.098	-0.5					T__				___		15284388	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
2019/01/22	10:38:37.90	1.10	0.61	47.2331	18.3327	7.2	4.3	85	0.0S		10	5	153	0.14	1.31	m	kx BUD	15284412	iLoc			248
2019/01/22	10:38:37.89	1.24	1.58	47.2255	18.3568	6.3	4.5	128	0.0A		8	113		0.15	1.31	a	kx KRSZO	15267461	ISC			360
2019/01/22	10:38:38.23f		0.68	47.2302	18.2835f				0.0S		10	149		0.13	1.32	a	kx BUD_GT	15327341	BUD			247

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

Magnitude Err Nsta Author OrigID
 ML 1.4 0.2 4 BUD 15284412
 ML 1.8 KRSZO 15267461
 ML 1.4 0.3 4 ILOC 15327341

Sta	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	353.4	Pg	10:38:41.429	-0.1					T__	5.5	246.5		___	MLv	1.1	15328982	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_	
CSKK	0.13	353.3	Pg	10:38:41.544	0.0					T__		248.3		___		15328980	FDSN	IR	--	ISC	BUD	???	???	_		
CSKK	0.13	353.4	Lg	10:38:43.674	-1.0					T__				___		15328983	FDSN	HU	--	BUD	BUD	HHE	???	_		
CSKK	0.13	353.3	Lg	10:38:43.987	-0.7					T__				___		15328981	FDSN	IR	--	ISC	BUD	???	???	_		
(Station ML : 1.1 1)																										
A268A	0.32	309.6	Lg	10:38:52.161	1.4					T__				___		15328984	FDSN	Z3	00	BUD	BUD	HHE	???	_		
MPLH	0.51	263.5	Pg	10:38:49.177	0.4					T__	5.5	200.9		___	MLv	2.0	15328985	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_	
MPLH	0.51	263.5	Lg	10:38:57.010	0.3					T__				___		15328986	FDSN	HU	--	BUD	BUD	BHN	???	_		
(Station ML : 2.0 1)																										

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MORH 1.04 166.1 Pg 10:38:58.948 -0.2 T__ 1.5 21.1 ___ MLv 1.4 15328987 FDSN HU -- BUD BUD BHZ BHZ _
MORH 1.04 166.1 Lg 10:39:13.300 -0.9 T__ ___ 15328988 FDSN HU -- BUD BUD BHN ??? _
(Station ML : 1.4 1
VYHS 1.32 16.2 Pg 10:39:04.801 -0.1 T__ 1.9 12.1 ___ MLv 1.3 15328989 FDSN SK -- BUD BUD HHZ 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
2019/01/22 11:25:55.88 0.17 0.32 46.0484 22.0420 2.6 1.3 82 15.5F 2.6 12 96 0.30 1.20 a ke BUC 15267469 ISC 360
2019/01/22 11:25:55.84 0.86 0.65 46.0683 22.0398 5.0 3.6 69 6.5F 14.0 22 7 95 0.32 1.22 m ke BUD 15284442 iLoc 180

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Magnitude Err Nsta Author OrigID
ml 1.3 BUC 15267469
ML 1.5 0.0 3 ILOC 15284442

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
SURR 0.32 169.3 Pg 11:26:02.178 -0.0 T__ ___ 15284444 FDSN IR -- ISC iLoc ??? ??? _
SURR 0.32 169.3 Pg 11:26:02.178 -0.0 T__ ___ 15284445 FDSN IR -- ISC iLoc ??? ??? _
SURR 0.32 169.3 Lg 11:26:06.650 -0.2 T__ ___ 15284446 FDSN IR -- ISC iLoc ??? ??? _
SIRR 0.33 307.1 Pg 11:26:02.915 0.2 T__ 10.8 202.2 ___ MLv 1.5 15284447 FDSN RO -- BUD iLoc BHZ BHZ _
SIRR 0.33 307.1 Lg 11:26:07.985 -0.1 T__ ___ 15284448 FDSN RO -- BUD iLoc BHZ ??? _
(Station ML : 1.5 1
BZS 0.53 212.0 Pn 11:26:09.227 -0.6 T__ 1.6 54.7 ___ MLv 1.5 15284449 FDSN RO -- BUD iLoc BHZ BHZ _
BZS 0.53 212.0 Lg 11:26:14.481 0.7 T__ ___ 15284450 FDSN RO -- BUD iLoc BHN ??? _
BZS 0.54 213.4 Pg 11:26:06.324 -0.1 T__ ___ 15284451 FDSN IR -- ISC iLoc ??? ??? _
BZS 0.54 213.4 Pg 11:26:06.324 -0.1 T__ ___ 15284452 FDSN IR -- ISC iLoc ??? ??? _
BZS 0.54 213.4 Lg 11:26:13.908 -0.3 T__ ___ 15284453 FDSN IR -- ISC iLoc ??? ??? _
(Station ML : 1.5 1
GZR 0.85 142.3 Pg 11:26:12.633 0.5 T__ ___ 15284454 FDSN IR -- ISC iLoc ??? ??? _
GZR 0.85 142.3 Pg 11:26:12.633 0.5 T__ ___ 15284455 FDSN IR -- ISC iLoc ??? ??? _
GZR 0.85 142.3 Pn 11:26:15.302 1.7 T__ 1.8 50.2 ___ MLv 1.7 15284456 FDSN RO -- BUD iLoc BHZ BHZ _
GZR 0.85 142.3 Lg 11:26:23.650 -0.4 T__ ___ 15284457 FDSN IR -- ISC iLoc ??? ??? _
GZR 0.85 142.3 Lg 11:26:23.879 -0.2 T__ ___ 15284458 FDSN RO -- BUD iLoc BHN ??? _
(Station ML : 1.7 1
DRGR 0.86 32.4 Lg 11:26:25.335 0.3 T__ ___ 15284459 FDSN IR -- ISC iLoc ??? ??? _
DRGR 0.86 32.4 Lg 11:26:25.335 0.3 T__ ___ 15284460 FDSN IR -- ISC iLoc ??? ??? _
MARR 0.96 50.5 Pg 11:26:14.714 -0.2 T__ ___ 15284461 FDSN IR -- ISC iLoc ??? ??? _
MARR 0.96 50.5 Pg 11:26:14.714 -0.2 T__ ___ 15284462 FDSN IR -- ISC iLoc ??? ??? _
MARR 0.96 50.5 Lg 11:26:28.166 -0.3 T__ ___ 15284463 FDSN IR -- ISC iLoc ??? ??? _
HERR 1.22 167.3 Pn 11:26:17.374 -1.1 T__ ___ 15284464 FDSN IR -- ISC iLoc ??? ??? _
HERR 1.22 167.3 Pn 11:26:17.374 -1.1 T__ 0.1 ___ 15284465 FDSN IR -- ISC iLoc ??? ??? _

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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
2019/01/22 19:34:06.44 1.15 0.55 46.9814 17.5159 4.0 3.4 162 5.1F 29.1 11 7 80 0.19 1.09 m ke BUD 15284480 iLoc 141

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Magnitude Err Nsta Author OrigID
ML 1.5 0.3 4 ILOC 15284480

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Sta 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 0.19 4.9 Pg 19:34:10.399 -0.1 T__ 2.1 144.8 ___ MLv 1.0 15284482 FDSN HU -- BUD iLoc BHZ BHZ _

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MPLH	0.19	4.9	Lg	19:34:13.906	0.2	T__									15284483	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.0 1)																							
A261A	0.25	263.5	Pg	19:34:11.785	-0.0	T__	2.3	249.0				MLv	1.4	15284484	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A261A	0.25	263.5	Lg	19:34:16.312	0.7	T__								15284485	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
(Station ML : 1.4 1)																							
TIH	0.27	107.6	Pg	19:34:11.824	-0.2	T__	2.5	449.9				MLv	1.7	15284486	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
TIH	0.27	107.6	Lg	19:34:16.658	0.4	T__								15284487	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.7 1)																							
A263A	0.37	202.1	Lg	19:34:18.807	-0.5	T__								15284488	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
EGYH	0.45	344.0	Lg	19:34:21.495	-0.8	T__								15284489	FDSN	HU	--	BUD	iLoc	HHN	???	_	
CSKK	0.64	52.8	Pg	19:34:19.732	0.6	T__	2.0	90.7				MLv	1.8	15284490	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
CSKK	0.64	52.8	Lg	19:34:29.142	-0.3	T__								15284491	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.8 1)																							
MORH	1.09	134.1	Sn	19:34:42.326	-0.2	T__								15284492	FDSN	HU	--	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
2019/01/23	13:37:57.99	0.99	0.38	46.1092	18.0703	5.4	3.7	79	0.0S		10	6	135	0.03	1.12	m	kx	BUD	15284510	iLoc		193
2019/01/23	13:37:57.65f		0.70	46.1254	18.0152f				0.0S		10		143	0.07	1.10	a	kx	BUD_GT	15327345	BUD		210
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Bükkösd-II Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.1	5 BUD	15284510
ML	1.6	0.0	5 ILOC	15327345

Sta	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	122.2	Pg	13:37:59.373	-0.4					T__	47.8	1297.9			MLv	1.6	15328990	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.07	122.2	Lg	13:38:00.697	-1.0					T__						15328991	FDSN	HU	--	BUD	BUD	BHN	???	_	
(Station ML : 1.6 1)																									
A265A	0.34	333.1	Pg	13:38:05.882	0.9					T__	1.3	255.4			MLv	1.6	15328992	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 1.6 1)																									
A266A	0.44	23.3	Pg	13:38:07.334	0.4					T__	1.9	199.5			MLv	1.8	15328995	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A266A	0.44	23.3	Lg	13:38:14.484	0.6					T__						15328996	FDSN	Z3	00	BUD	BUD	HHE	???	_	
(Station ML : 1.8 0)																									
MORH	0.45	78.1	Pg	13:38:06.651	-0.4					T__	1.8	15.5			MLv	0.7	15328993	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.45	78.1	Lg	13:38:13.114	-1.1					T__						15328994	FDSN	HU	--	BUD	BUD	BHN	???	_	
(Station ML : 0.7 0)																									
A252A	0.70	189.7	Pg	13:38:11.770	-0.1					T__	1.6	64.9			MLv	1.7	15328997	FDSN	Z3	--	BUD	BUD	HHZ	HHZ	_
A252A	0.70	189.7	Lg	13:38:21.773	1.0					T__						15328998	FDSN	Z3	--	BUD	BUD	HHE	???	_	
(Station ML : 1.7 1)																									
MPLH	1.10	342.8	Lg	13:38:36.218	0.5					T__						15328999	FDSN	HU	--	BUD	BUD	BHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/01/23	13:40:29.86	1.18	0.50	46.1093	18.0668	7.8	4.5	107	0.0S		8	5	148	0.03	1.12	m	kx	BUD	15284543	iLoc		208
2019/01/23	13:40:29.34f		0.64	46.1254	18.0152f				0.0S		8		153	0.07	1.10	a	kx	BUD_GT	15327349	BUD		220
(GT info : GT2 explosion)																						
(description : known quarry blast)																						

(locality : Bükkösd-II Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.7	4 BUD	15284543
ML	1.4	0.6	4 ILOC	15327349

Sta	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	122.2	Pg	13:40:31.033	-0.4					T__	19.9	475.1		___	MLv	1.2	15329000	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.07	122.2	Lg	13:40:32.188	-1.2					T__				---		15329001	FDSN	HU	--	BUD	BUD	BHN	???	_	
(Station ML : 1.2 1																									
A266A	0.44	23.3	Pg	13:40:38.995	0.4					T__	2.5	274.6		___	MLv	2.0	15329004	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 2.0 1																									
MORH	0.45	78.1	Pg	13:40:38.905	0.2					T__	1.1	12.2		___	MLv	0.6	15329002	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.45	78.1	Lg	13:40:45.521	-0.4					T__				---		15329003	FDSN	HU	--	BUD	BUD	BHN	???	_	
(Station ML : 0.6 1																									
A252A	0.70	189.7	Pg	13:40:43.952	0.4					T__	1.9	67.8		___	MLv	1.7	15329005	FDSN	Z3	--	BUD	BUD	HHZ	HHZ	_
A252A	0.70	189.7	Lg	13:40:53.565	1.1					T__				---		15329006	FDSN	Z3	--	BUD	BUD	HHN	???	_	
(Station ML : 1.7 1																									
MPLH	1.10	342.8	Lg	13:41:07.709	0.3					T__				---		15329007	FDSN	HU	--	BUD	BUD	BHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/01/24	08:11:12.62	2.83	0.75	47.3573	18.4095	21.2	5.6	130	0.0S		6	5	157	0.10	1.17	m	sx BUD	15284570	iLoc			238
(description : suspected quarry blast)																						
(locality : Gánt Hungary)																						

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	273.4	Pg	08:11:15.323	0.0					T__		1953.3		___	MLv	15284572	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.10	273.4	Lg	08:11:17.409	-0.5					T__				---		15284573	FDSN	HU	--	BUD	iLoc	HHN	???	_
A269A	0.28	356.3	Lg	08:11:24.679	0.6					T__				---		15284574	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
MPLH	0.62	252.8	Lg	08:11:35.068	0.4					T__				---		15284575	FDSN	HU	--	BUD	iLoc	BHN	???	_
MORH	1.15	171.9	Sn	08:11:52.727	0.5					T__				---		15284576	FDSN	HU	--	BUD	iLoc	BHN	???	_
VVHS	1.17	14.0	Lg	08:11:52.727	-0.8					T__				---		15284577	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
2019/01/24	09:13:36.98	1.40	0.43	46.0812	21.5972	36.2	4.2	95	10.0A		5	3	197	0.19	1.05	m	ke BUD	15284582	iLoc			327

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
SIRR	0.19	13.9	Pg	09:13:41.687	0.2					T__		76.3		___	MLv	15284584	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.19	13.9	Lg	09:13:44.425	-0.5					T__				---		15284585	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	0.46	176.3	Pg	09:13:46.328	0.1					T__		32.0		___	MLv	15284586	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.46	176.3	Lg	09:13:52.731	-0.1					T__				---		15284587	FDSN	RO	--	BUD	iLoc	BHE	???	_
DRGR	1.05	46.9	Lg	09:14:11.638	0.1					T__				---		15284588	FDSN	RO	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/01/24	09:31:25.24	3.09	0.95	46.2247	18.2580	36.6	4.1	153	0.0S	6	3	232	0.18	0.84	m	kx	BUD	15284597	iLoc			341
2019/01/24	09:31:25.73f		0.52	46.1765	18.2926f				0.0S	6		204	0.16	0.80	a	kx	BUD_GT	15327355	BUD			326

(GT info : GT2 explosion)
 (description : known quarry blast)
 (locality : Komló-II Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	0.9	0.6	3 BUD	15284597
ML	0.9	0.6	3 ILOC	15327355

Sta	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	236.7	Pg	09:31:29.534	-0.1					T__	3.8	134.3		___	MLv	0.9	15329008	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.16	236.7	Lg	09:31:32.438	-0.2					T__				---		15329009	FDSN	HU	--	BUD	BUD	BHE	???	_	
(Station ML : 0.9 1																									
MORH	0.25	80.7	Pg	09:31:31.409	0.2					T__	2.6	28.7		___	MLv	0.4	15329010	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.25	80.7	Lg	09:31:35.357	-0.3					T__				---		15329011	FDSN	HU	--	BUD	BUD	BHN	???	_	
(Station ML : 0.4 1																									
A252A	0.80	202.9	Pg	09:31:41.796	-0.2					T__	1.7	67.9		___	MLv	1.8	15329012	FDSN	Z3	--	BUD	BUD	HHZ	HHZ	_
A252A	0.80	202.9	Lg	09:31:53.307	1.2					T__				---		15329013	FDSN	Z3	--	BUD	BUD	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/01/24	09:58:49.22	1.73	1.22	48.5568	20.8162	16.3	5.8	8	0.0S	11	6	183	0.23	1.32	m	sx	BUD	15284618	iLoc			224

(description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.6	5 ILOC	15284618

Sta	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	251.6	Pg	09:58:53.367	-0.7					T__	52.9	2130.1		___	MLv	2.3	15284620	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.23	251.6	Lg	09:58:57.488	-0.3					T__				---		15284621	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Station ML : 2.3 0																									
ABAH	0.38	132.6	Pg	09:58:58.073	0.9					T__	1.4	70.2		___	MLv	1.2	15284622	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.38	132.6	Lg	09:59:03.467	-0.4					T__				---		15284623	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.2 1																									
PSZ	0.89	224.3	Pg	09:59:08.411	0.5					T__	1.7	53.6		___	MLv	1.7	15284624	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.89	224.3	Lg	09:59:21.325	0.1					T__				---		15284625	FDSN	GE	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.7 1																									
HOLU	1.04	91.1	Pn	09:59:10.033	0.0					T__				---		15284626	FDSN	UA	--	BUD	iLoc	MHZ	???	_	
A336A	1.25	255.7	Pg	09:59:14.073	-0.4					T__	2.9	79.8		___	MLv	2.1	15284627	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A336A	1.25	255.7	Sn	09:59:29.232	-2.5					T__				---		15284628	FDSN	Z3	00	BUD	iLoc	HH2	???	_	
(Station ML : 2.1 1																									
VYHS	1.32	268.0	Pg	09:59:16.156	0.5					T__	1.4	9.3		___	MLv	1.2	15284629	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.32	268.0	Sn	09:59:31.739	-1.9					T__				---		15284630	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
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2019/01/24 10:46:15.26 1.14 0.90 47.3181 18.3205 7.2 5.7 75 0.0S 7 6 152 0.06 1.23 m kx BUD 15284652 iLoc 238
 2019/01/24 10:46:15.34f 0.72 47.3167 18.3081f 0.0S 7 151 0.06 1.23 a kx BUD_GT 15327361 BUD 238

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

Magnitude Err Nsta Author OrigID
 ML 1.3 0.3 3 BUD 15284652
 ML 1.3 0.3 3 ILOC 15327361

Sta	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	325.3	Pg	10:46:17.094	-0.1					T__		1584.2		---	MLv	15329014	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.06	325.3	Lg	10:46:18.264	-0.8					T__				---		15329015	FDSN	HU	--	BUD	BUD	HHN	???	_
(Station ML : 1.7 1																								
A268A	0.29	293.8	Lg	10:46:26.517	-0.3					T__				---		15329016	FDSN	Z3	00	BUD	BUD	HHE	???	_
A269A	0.33	8.9	Pg	10:46:22.534	0.2					T__		132.6		---	MLv	15329017	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 1.3 1																								
MPLH	0.54	254.6	Lg	10:46:36.272	1.4					T__				---		15329018	FDSN	HU	--	BUD	BUD	BHE	???	_
MORH	1.13	168.0	Lg	10:46:53.099	-0.9					T__				---		15329019	FDSN	HU	--	BUD	BUD	BHE	???	_
VVHS	1.23	16.6	Pg	10:46:40.274	0.0					T__		8.7		---	MLv	15329020	FDSN	SK	--	BUD	BUD	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
2019/01/24	11:02:55.69	1.26	1.03	48.2511	21.2257	12.1	5.2	161	0.0S	12	7	152		0.05	1.20	m	kx BUD	15284674	iLoc			198
2019/01/24	11:02:55.57f		1.04	48.2470	21.2460f				0.0S	12		153		0.05	1.19	a	kx BUD_GT	15327365	BUD			198

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

Magnitude Err Nsta Author OrigID
 ML 1.8 0.0 3 BUD 15284674
 ML 1.8 0.0 3 ILOC 15327365

Sta	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	11:02:57.147	0.0					T__		6113.4		---	MLv	15329021	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
(Station ML : 2.2 1																								
KECS	0.56	295.3	Pg	11:03:07.024	0.2					T__		98.6		---	MLv	15329022	FDSN	SK	--	BUD	BUD	EHE	EHZ	_
KECS	0.56	295.3	Lg	11:03:14.565	-0.8					T__				---		15329023	FDSN	SK	--	BUD	BUD	EHE	???	_
(Station ML : 1.8 1																								
HOLU	0.81	69.3	Pn	11:03:12.882	-0.2					T__				---		15329024	FDSN	UA	--	BUD	BUD	MHZ	???	_
HOLU	0.81	69.3	Lg	11:03:25.785	1.0					T__				---		15329025	FDSN	UA	--	BUD	BUD	MHZ	???	_
TRPA	0.87	97.2	Lg	11:03:26.982	-0.1					T__				---		15329026	FDSN	HU	--	BUD	BUD	BHN	???	_
PSZ	0.96	250.6	Pg	11:03:16.182	0.3					T__		59.7		---	MLv	15329027	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.96	250.6	Lg	11:03:29.052	-1.3					T__				---		15329028	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.8 1																								
KOLS	0.97	44.4	Pn	11:03:15.628	0.1					T__				---		15329029	FDSN	SK	--	BUD	BUD	HHZ	???	_
KOLS	0.97	44.4	Lg	11:03:30.672	0.8					T__				---		15329030	FDSN	SK	--	BUD	BUD	HHE	???	_
STZU	1.19	49.4	Pn	11:03:19.488	0.7					T__				---		15329031	FDSN	UA	--	BUD	BUD	MHZ	???	_
STZU	1.19	49.4	Sn	11:03:40.321	2.9					T__				---		15329032	FDSN	UA	--	BUD	BUD	MHZ	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/01/26	07:34:25.90	0.32	0.34	46.4268	21.8267	2.8	1.2	129	5.0A		11		203	0.20	1.23	a	ke BUC	15267505	ISC			360
2019/01/26	07:34:24.21	1.79	0.43	46.4853	21.7140	16.0	3.7	124	8.9F	6.9	27	6	235	0.22	1.32	m	ke BUD	15284701	iLoc			248

Magnitude	Err	Nsta	Author	OrigID
m1	0.6		BUC	15267505
ML	1.6	0.2	4 ILOC	15284701

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
SIRR	0.22	189.8	Pg	07:34:29.617	0.4					T__						15284703	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.22	189.8	Pg	07:34:29.617	0.4					T__		0.1				15284704	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.22	189.8	Lg	07:34:32.700	-0.3					T__		0.0				15284705	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.22	189.8	Sg	07:34:32.899	-0.1					T__		0.1				15284706	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.22	189.8	Sg	07:34:32.899	-0.1					T__						15284707	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.22	189.1	Pg	07:34:29.371	0.1					T__		34.5			MLv	15284708	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.22	189.1	Lg	07:34:32.424	-0.7					T__						15284709	FDSN	RO	--	BUD	iLoc	BHZ	???	_
(Station ML : 0.5 1																								
DRGR	0.75	65.6	Pg	07:34:39.507	0.2					T__						15284710	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.75	65.6	Pg	07:34:39.507	0.2					T__						15284711	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.75	65.6	Lg	07:34:49.668	-0.2					T__						15284712	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.75	65.6	Pg	07:34:39.345	0.1					T__		49.1			MLv	15284713	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.75	65.6	Lg	07:34:49.015	-0.8					T__						15284714	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.6 1																								
SURR	0.79	158.5	Lg	07:34:49.693	-0.1					T__						15284715	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.79	158.5	Lg	07:34:49.693	-0.1					T__						15284716	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.87	183.4	Pg	07:34:41.178	0.0					T__		42.8			MLv	15284717	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.87	183.4	Lg	07:34:52.577	-0.1					T__						15284718	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	0.87	184.5	Pg	07:34:41.329	0.1					T__						15284719	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.87	184.5	Pg	07:34:41.329	0.1					T__						15284720	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.87	184.5	Lg	07:34:52.700	-0.0					T__		0.0				15284721	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.87	184.5	Lg	07:34:52.720	-0.0					T__						15284722	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.6 1																								
MARR	0.99	78.4	Pg	07:34:44.139	0.4					T__						15284723	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.99	78.4	Pg	07:34:44.139	0.4					T__						15284724	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.99	78.4	Lg	07:34:56.230	-1.0					T__						15284725	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.32	145.4	Pg	07:34:50.134	0.7					T__		51.1			MLv	15284726	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.32	145.4	Lg	07:35:06.200	-0.5					T__		0.1				15284727	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.32	145.4	Sg	07:35:06.365	-0.4					T__						15284728	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.32	145.4	Lg	07:35:06.725	0.0					T__						15284729	FDSN	RO	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2019/01/28	09:40:36.48	0.91	0.17	47.1165	17.9988	4.3	3.6	98	0.0S		10	6	81	0.23	1.00	m	sx BUD	15284752	iLoc			151		
(description : suspected quarry blast)																								
(locality : Királyszentistván Hungary)																								

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.2	4 ILOC	15284752

Sta	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	199.4	Pg	09:40:41.538	-0.1					T__		529.4			MLv	15284754	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TIH	0.23	199.4	Lg	09:40:45.571	-0.1					T__						15284755	FDSN	HU	--	BUD	iLoc	HHN	???	_

(Station ML : 1.7 1)																						
CSKK	0.30	35.8	Pg	09:40:43.076	-0.0					T__	128.7	___	MLv	15284756	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.30	35.8	Lg	09:40:48.894	0.0					T__		---		15284757	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.3 1)																						
MPLH	0.32	279.9	Pg	09:40:43.509	0.2					T__	79.2	___	MLv	15284758	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.32	279.9	Lg	09:40:48.552	-0.1					T__		---		15284759	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.1 1)																						
A268A	0.32	350.8	Lg	09:40:48.914	-0.2					T__		---		15284760	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A267A	0.37	117.1	Lg	09:40:50.868	0.0					T__		---		15284761	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MORH	1.00	153.5	Pg	09:40:56.758	0.3					T__	19.7	___	MLv	15284762	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.00	153.5	Lg	09:41:11.062	-0.1					T__		---		15284763	FDSN	HU	--	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
2019/01/28	09:59:20.81	0.37	1.13	47.3567	18.3898				0.0F	0.0	8	110		0.09	1.18	a	kx	KRSZO	15267551	ISC		360
2019/01/28	09:59:19.42	1.03	1.18	47.3738	18.4021	6.8	3.3	127	0.0S		24	12	110	0.10	1.57	m	sx	BUD	15284814	iLoc		146

(description : suspected quarry blast)
(locality : Gánt Hungary)

Magnitude	Err	Nsta	Author	OrigID
M	2.0		KRSZO	15267551
MLv	2.0		KRSZO	15267551
ML	1.8	0.0	5 ILOC	15284814

Sta	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	263.8	Pg	09:59:20.932	-1.1					T__		4732.7		___	MLv	15284816	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
CSKK	0.10	263.8	Lg	09:59:22.468	-2.1					T__				---		15284817	FDSN	HU	--	BUD	iLoc	HHN	???	_	
CSKK	0.10	263.7	Lg	09:59:23.000	-1.5					T__		47.7		---		15284818	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 2.2 0)																									
A269A	0.27	357.1	Pg	09:59:26.438	1.2					T__		519.2		___	MLv	15284819	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A269A	0.27	357.1	Lg	09:59:30.567	0.3					T__				---		15284820	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
(Station ML : 1.8 1)																									
A268A	0.33	280.2	Lg	09:59:32.626	0.3					T__				---		15284821	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
SRO	0.44	352.3	Lg	09:59:38.200	1.8					T__				---		15284822	FDSN	IR	--	ISC	iLoc	???	???	_	
MPLH	0.62	251.2	Pg	09:59:32.288	0.2					T__		86.2		___	MLv	15284823	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
MPLH	0.62	251.2	Pg	09:59:33.100	0.9					T__		0.1		---		15284824	FDSN	IR	--	ISC	iLoc	???	???	_	
MPLH	0.62	251.2	Lg	09:59:42.493	1.0					T__				---		15284825	FDSN	HU	--	BUD	iLoc	BHE	???	_	
MPLH	0.62	251.2	Lg	09:59:42.600	0.9					T__		0.1		---		15284826	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.8 1)																									
A336A	0.95	24.9	Lg	09:59:52.573	-0.9					T__				---		15284827	FDSN	Z3	00	BUD	iLoc	HH3	???	_	
A337A	0.96	334.9	Lg	09:59:53.806	-0.3					T__				---		15284828	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
PSZ	1.15	61.1	Sn	09:59:59.134	-0.6					T__				---		15284829	FDSN	GE	--	BUD	iLoc	BHE	???	_	
VYHS	1.16	14.4	Pg	09:59:42.341	-0.5					T__		15.2		___	MLv	15284830	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_	
VYHS	1.16	14.4	Lg	09:59:58.778	-1.0					T__				---		15284831	FDSN	SK	--	BUD	iLoc	HHN	???	_	
VYHS	1.16	14.4	Pg	09:59:43.000	0.1					T__		0.0		---		15284832	FDSN	IR	--	ISC	iLoc	???	???	_	
VYHS	1.16	14.4	Sn	09:59:59.100	-0.9					T__		0.0		---		15284833	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.3 0)																									
MORH	1.17	171.7	Pn	09:59:41.577	-0.1					T__		28.0		___	MLv	15284834	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
MORH	1.17	171.7	Sn	09:59:57.964	-1.4					T__				---		15284835	FDSN	HU	--	BUD	iLoc	BHN	???	_	
MORH	1.17	171.8	Pg	09:59:43.100	0.4					T__		0.0		---		15284836	FDSN	IR	--	ISC	iLoc	???	???	_	
MORH	1.17	171.8	Sn	09:59:56.700	-2.7					T__		0.0		---		15284837	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.6 1)																									

KOVH	1.30	189.3	Sn	10:00:03.400	0.7	T__	---	15284838	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	1.57	342.0	Sn	10:00:10.100	-0.5	T__	---	15284839	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/01/29	07:47:32.60	0.10	0.20	47.8488	18.6564	0.6	0.5	199	8.9F	1.0	18	155	0.26	2.00	a	ke	IPEC	15267582	ISC			360
2019/01/29	07:47:31.50	0.80	1.17	47.8332	18.6558	3.5	2.4	116	2.8F	10.7	45	22	60	0.23	2.01	m	ke	BUD	15284868	iLoc		96

Magnitude	Err	Nsta	Author	OrigID
ML	1.7		IPEC	15267582
ML	2.2	0.2	18 ILOC	15284868

Sta	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	0.23	265.2	Pg	07:47:36.257	-0.1					T__		3595.6		---	MLv	15284870	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_	
SR0	0.23	265.2	Lg	07:47:39.926	-0.4					T__				---		15284871	FDSN	SK	--	BUD	iLoc	EHE	???	_	
(Station ML : 2.5 0																									
A269A	0.27	223.6	Pg	07:47:36.650	-0.4					T__		995.7		---	MLv	15284872	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A269A	0.27	223.6	Lg	07:47:40.411	-1.3					T__				---		15284873	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
(Station ML : 2.0 1																									
A338A	0.27	311.9	Pg	07:47:38.101	0.9					T__		1256.4		---	MLv	15284874	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A338A	0.27	311.9	Lg	07:47:42.319	0.5					T__				---		15284875	FDSN	Z3	00	BUD	iLoc	HH2	???	_	
(Station ML : 2.2 1																									
BUD	0.43	144.4	Lg	07:47:47.322	-0.0					T__				---		15284876	FDSN	HU	--	BUD	iLoc	BHE	???	_	
A336A	0.46	29.8	Pg	07:47:41.356	0.5					T__		586.8		---	MLv	15284877	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A336A	0.46	29.8	Lg	07:47:47.846	-0.2					T__				---		15284878	FDSN	Z3	00	BUD	iLoc	HH3	???	_	
(Station ML : 2.4 1																									
CSKK	0.54	209.8	Pg	07:47:42.472	0.1					T__		386.7		---	MLv	15284879	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
CSKK	0.54	209.8	Lg	07:47:50.412	-0.8					T__				---		15284880	FDSN	HU	--	BUD	iLoc	HHE	???	_	
(Station ML : 2.4 1																									
A268A	0.64	231.2	Pg	07:47:44.009	-0.2					T__		170.2		---	MLv	15284881	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A268A	0.64	231.2	Lg	07:47:54.163	0.1					T__				---		15284882	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
(Station ML : 2.1 1																									
A335A	0.65	340.9	Pg	07:47:44.558	-0.1					T__		388.3		---	MLv	15284883	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A335A	0.65	340.9	Lg	07:47:53.777	-0.7					T__				---		15284884	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
(Station ML : 2.5 1																									
VYHS	0.67	10.3	Pg	07:47:45.208	0.1					T__		38.4		---	MLv	15284885	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_	
VYHS	0.67	10.3	Lg	07:47:53.718	-1.1					T__				---		15284886	FDSN	SK	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.5 0																									
A337A	0.71	305.6	Pg	07:47:46.153	0.4					T__		403.2		---	MLv	15284887	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
(Station ML : 2.5 0																									
PSZ	0.84	83.7	Pn	07:47:48.640	-0.5					T__		64.3		---	MLv	15284888	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	0.84	83.7	Lg	07:48:00.970	-0.6					T__				---		15284889	FDSN	GE	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.8 0																									
A267A	0.90	187.6	Sn	07:48:02.414	-1.7					T__				---		15284890	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
A332A	0.98	352.6	Pn	07:47:50.882	-0.3					T__		190.8		---	MLv	15284891	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A332A	0.98	352.6	Lg	07:48:03.197	-1.4					T__				---		15284892	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
(Station ML : 2.3 1																									
EGYH	0.99	245.5	Lg	07:48:05.357	0.4					T__				---		15284893	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MPLH	1.01	229.2	Pn	07:47:51.195	-0.1					T__		91.5		---	MLv	15284894	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
MPLH	1.01	229.2	Lg	07:48:05.185	-0.3					T__				---		15284895	FDSN	HU	--	BUD	iLoc	BHE	???	_	
(Station ML : 2.0 1																									
TIH	1.07	209.5	Pn	07:47:52.874	0.7					T__		705.9		---	MLv	15284896	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	

TIH	1.07	209.5	Lg	07:48:09.252	1.5	T__	---	15284897	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 2.9 0)																	
MODS	1.07	300.8	Pn	07:47:51.992	-0.6	T__	---	15284898	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	1.07	300.8	Sn	07:48:05.917	-3.1	T__	---	15284899	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	1.22	327.7	Pg	07:47:56.643	0.7	T__	98.0	MLv	15284900	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	
JAVC	1.22	327.7	Sn	07:48:12.753	-0.6	T__	---	15284901	FDSN	CZ	--	BUD	iLoc	BHE	???	_	
JAVC	1.22	327.7	Pn	07:47:55.300	0.5	T__	---	15284902	FDSN	IR	--	ISC	iLoc	???	???	_	
JAVC	1.22	327.7	Pn	07:47:55.300	0.5	T__	---	15284903	FDSN	IR	--	ISC	iLoc	???	???	_	
JAVC	1.22	327.7	Sn	07:48:10.700	-2.6	T__	15.3	0.62	15284904	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	1.22	327.7	Sn	07:48:10.700	-2.6	T__	---	15284905	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 2.2 1)																	
KECS	1.39	61.4	Pn	07:47:57.558	0.9	T__	74.7	MLv	15284906	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	1.39	61.4	Sn	07:48:17.068	0.8	T__	---	15284907	FDSN	SK	--	BUD	iLoc	EHE	???	_	
(Station ML : 2.1 1)																	
LANS	1.42	22.0	Pn	07:47:59.007	1.5	T__	68.3	MLv	15284908	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 2.1 1)																	
MORH	1.62	180.3	Pn	07:48:00.588	1.1	T__	14.8	MLv	15284909	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.62	180.3	Sn	07:48:20.677	-0.9	T__	---	15284910	FDSN	HU	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.6 0)																	
VRAC	2.01	317.9	Pn	07:48:06.400	0.8	T__	---	15284911	FDSN	IR	--	ISC	iLoc	???	???	_	
VRAC	2.01	317.9	Pn	07:48:06.500	0.8	T__	---	15284912	FDSN	IR	--	ISC	iLoc	???	???	_	
VRAC	2.01	317.9	Sn	07:48:29.600	-2.9	T__	3.0	0.41	15284913	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	2.01	317.9	Lg	07:48:29.700	-9.7	---	---	15284914	FDSN	IR	--	ISC	iLoc	???	???	_	
VRAC	2.01	317.9	Pn	07:48:06.649	1.0	T__	61.6	MLv	15284915	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/01/29 09:11:16.87 2.33 0.76 48.4766 20.7329 53.4 3.8 14 0.0S 8 4 205 0.16 1.26 m sx BUD 15284991 iLoc 313
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.3 0.2 4 ILOC 15284991

Sta	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	272.4	Pg	09:11:20.062	-0.3					T__		435.6		---	MLv	15284993	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_	
KECS	0.16	272.4	Lg	09:11:24.143	0.9					T__				---		15284994	FDSN	SK	--	BUD	iLoc	EHE	???	_	
(Station ML : 1.4 1)																									
ABAH	0.38	117.9	Pg	09:11:25.058	0.3					T__		64.1		---	MLv	15284995	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ABAH	0.38	117.9	Lg	09:11:30.473	-1.0					T__				---		15284996	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.2 1)																									
PSZ	0.79	225.4	Pn	09:11:34.596	0.3					T__		54.5		---	MLv	15284997	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	0.79	225.4	Sn	09:11:47.993	-0.5					T__				---		15284998	FDSN	GE	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.7 1)																									
VYHS	1.26	271.5	Pn	09:11:41.222	0.4					T__		10.2		---	MLv	15284999	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_	
VYHS	1.26	271.5	Sn	09:11:59.362	-0.5					T__				---		15285000	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
 2019/01/30 10:27:17.86 1.29 0.85 47.2493 18.3128 11.1 5.6 95 0.0S 8 5 151 0.12 1.29 m kx BUD 15285018 iLoc 246

2019/01/30 10:27:17.83f 0.53 47.2302 18.2835f 0.0S 8 149 0.13 1.32 a kx BUD_GT 15327375 BUD 247
 (GT info : GT2 explosion)
 (description : known quarry blast)
 (locality : Iszkaszentgyörgy Hungary)

Magnitude Err Nsta Author OrigID
 ML 1.3 0.2 5 BUD 15285018
 ML 1.3 0.3 5 ILOC 15327375

Sta	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	353.4	Pg	10:27:20.962	-0.2					T__		269.5		---	MLv	15329033	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.13	353.4	Lg	10:27:23.478	-0.8					T__				---		15329034	FDSN	HU	--	BUD	BUD	HHN	???	_
(Station ML : 1.1 0)																								
A268A	0.32	309.6	Pg	10:27:24.793	0.1					T__		201.6		---	MLv	15329035	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 1.5 1)																								
MPLH	0.51	263.5	Pg	10:27:28.974	0.6					T__		71.9		---	MLv	15329036	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
(Station ML : 1.6 0)																								
MORH	1.04	166.1	Pn	10:27:38.236	-0.1					T__		11.3		---	MLv	15329037	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	1.04	166.1	Lg	10:27:54.012	0.2					T__				---		15329038	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 1.1 1)																								
VYHS	1.32	16.2	Pg	10:27:43.630	-0.9					T__		11.8		---	MLv	15329039	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
VYHS	1.32	16.2	Sn	10:28:02.969	0.7					T__				---		15329040	FDSN	SK	--	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/01/30	12:45:40.12	0.36	0.70	46.1295	16.4453				4.4	1.9	17	9	79	0.01	1.29	m	ke BUD	15228655	sysop@krszo			360
2019/01/30	12:45:40.20	0.31		46.1570	16.4670	0.0	0.0		5.6F	5.0	14			0.77	1.67	a	ke RHSSO	15267603	ISC			360
2019/01/30	12:45:39.87	0.81	0.83	46.1210	16.4581	4.7	3.5	139	4.0F	7.7	30	14	56	0.01	1.64	m	ke BUD_GT	15285049	iLoc			96

(GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)

Magnitude Err Nsta Author OrigID
 M 1.8 6 BUD 15228655
 MLv 1.8 0.1 6 BUD 15228655
 ML 1.7 RHSSO 15267603
 ML 1.8 0.1 8 ILOC 15285049

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
KALN	0.01	349.6	Pg	12:45:40.177	-0.7					T__		2342.9		---	MLv	15285051	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
KALN	0.01	349.6	Lg	12:45:41.627	-0.1					T__				---		15285052	FDSN	CR	--	BUD	iLoc	BHE	???	_
(Station ML : 1.7 1)																								
PTJ	0.40	238.1	Pg	12:45:47.633	-0.2					T__		93.3		---	MLv	15285053	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.40	238.1	Lg	12:45:53.434	-0.1					T__				---		15285054	FDSN	CR	--	BUD	iLoc	BHN	???	_
(Station ML : 1.4 0)																								
BEHE	0.41	32.1	Pg	12:45:47.938	-0.4					T__		272.3		---	MLv	15285055	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BEHE	0.41	32.1	Lg	12:45:54.809	0.7					T__				---		15285056	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.9 1)																								
MOSL	0.55	157.7	Pg	12:45:50.941	0.0					T__		108.4		---	MLv	15285057	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
MOSL	0.55	157.7	Lg	12:45:59.233	1.0					T__				---		15285058	FDSN	CR	--	BUD	iLoc	BHZ	???	_
(Station ML : 1.8 1)																								
CRES	0.76	247.4	Pg	12:45:54.656	0.1					T__		247.2		---	MLv	15285059	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.76	247.4	Lg	12:46:06.587	1.0					T__				---		15285060	FDSN	SL	--	BUD	iLoc	BHN	???	_
CRES	0.76	247.4	Pg	12:45:54.900	0.4					T__				---		15285061	FDSN	IR	--	ISC	iLoc	???	???	_

CRES	0.76	247.4	Lg	12:46:05.200	-0.4	T__	---	15285062	FDSN	IR	--	ISC	iLoc	???	???	_		
(Station ML : 2.3 0)																		
A021A	0.77	325.7	Pg	12:45:55.337	0.6	T__	125.8	---	MLv	15285063	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A021A	0.77	325.7	Sn	12:46:06.788	-1.6	T__	---	---	---	15285064	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 2.0 1)																		
BOJS	1.05	234.2	Pg	12:45:59.900	0.3	T__	---	15285065	FDSN	IR	--	ISC	iLoc	???	???	_		
BOJS	1.05	234.2	Lg	12:46:14.200	-1.1	T__	---	---	---	15285066	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	1.14	91.0	Pg	12:46:02.188	0.1	T__	42.7	---	MLv	15285067	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	1.14	91.0	Sn	12:46:18.371	0.9	T__	---	---	---	15285068	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.8 1)																		
A051A	1.15	164.0	Pg	12:46:00.900	-1.1	T__	---	15285069	FDSN	IR	--	ISC	iLoc	???	???	_		
A051A	1.15	164.0	Lg	12:46:17.500	0.3	T__	---	---	---	15285070	FDSN	IR	--	ISC	iLoc	???	???	_
A252A	1.19	124.7	Pn	12:46:02.391	0.0	T__	44.4	---	MLv	15285071	FDSN	Z3	--	BUD	iLoc	HHZ	HHZ	_
A252A	1.19	124.7	Sn	12:46:19.354	0.6	T__	---	---	---	15285072	FDSN	Z3	--	BUD	iLoc	HHE	???	_
(Station ML : 1.8 1)																		
ARSA	1.30	330.7	Sn	12:46:20.050	-1.2	T__	---	15285073	FDSN	OE	--	BUD	iLoc	BHE	???	_		
ARSA	1.30	330.7	Pn	12:46:02.600	-1.5	T__	---	---	---	15285074	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.38	287.0	Pg	12:46:04.700	-0.8	T__	---	---	---	15285075	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.38	287.0	Lg	12:46:24.500	0.1	T__	---	---	---	15285076	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.52	85.7	Pn	12:46:07.900	1.3	T__	---	---	---	15285077	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.52	85.7	Lg	12:46:28.700	-0.2	T__	---	---	---	15285078	FDSN	IR	--	ISC	iLoc	???	???	_
A050A	1.64	178.2	Pn	12:46:09.600	0.3	T__	---	---	---	15285079	FDSN	IR	--	ISC	iLoc	???	???	_
A050A	1.64	178.2	Sn	12:46:32.300	1.0	T__	---	---	---	15285080	FDSN	IR	--	ISC	iLoc	???	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/01/30 13:17:33.42 1.58 0.28 46.1167 18.0681 12.5 5.3 128 0.0S 8 4 148 0.04 1.12 m sx BUD 15285163 iLoc 243
 (description : suspected quarry blast)
 (locality : Bükkösd-I Hungary)

Magnitude Err Nsta Author OrigID
 ML 1.4 0.4 4 ILOC 15285163

Sta	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	0.04	142.0	Pg	13:17:34.933	0.1					T__		724.7		---	MLv	15285165	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
KOVH	0.04	142.0	Lg	13:17:36.155	-0.2					T__				---	---	15285166	FDSN	HU	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.3 1)																									
MORH	0.41	75.9	Pg	13:17:42.058	-0.1					T__		13.6		---	MLv	15285167	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
MORH	0.41	75.9	Lg	13:17:48.928	0.1					T__				---	---	15285168	FDSN	HU	--	BUD	iLoc	BHN	???	_	
(Station ML : 0.6 1)																									
A252A	0.70	192.8	Pg	13:17:47.505	-0.1					T__		38.4		---	MLv	15285169	FDSN	Z3	--	BUD	iLoc	HHZ	HHZ	_	
A252A	0.70	192.8	Lg	13:17:56.862	0.3					T__				---	---	15285170	FDSN	Z3	--	BUD	iLoc	HHE	???	_	
(Station ML : 1.5 1)																									
MPLH	1.12	341.1	Pn	13:17:55.442	0.4					T__		54.0		---	MLv	15285171	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
MPLH	1.12	341.1	Sn	13:18:11.320	-0.3					T__				---	---	15285172	FDSN	HU	--	BUD	iLoc	BHE	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/01/31 08:39:52.58 1.48 0.52 47.3542 18.3685 12.8 5.8 60 0.0A 6 109 0.07 1.18 a kx KRSZO 15267632 ISC 360
 2019/01/31 08:39:52.12 1.63 0.94 47.3724 18.1409 10.6 5.8 72 0.0S 8 4 219 0.08 1.22 m sx BUD 15285190 iLoc 286

(description : suspected quarry blast)
(locality : Gánt Hungary)

Magnitude Err Nsta Author OrigID
ML 1.7 0.2 3 ILOC 15285190

Sta	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	96.4	Pg	08:39:54.798	0.4					T__		1513.2		___	MLv	15285192	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.08	96.4	Lg	08:39:56.391	-0.3					T__				---		15285193	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.7 1																								
A269A	0.31	31.5	Pg	08:39:59.278	0.4					T__		183.1		___	MLv	15285194	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A269A	0.31	31.5	Lg	08:40:03.604	-1.0					T__				---		15285195	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 1.4 1																								
MORH	1.21	163.2	Pg	08:40:15.920	-0.2					T__		48.8		___	MLv	15285196	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.21	163.2	Sn	08:40:31.862	-1.1					T__				---		15285197	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORH	1.21	163.2	Pn	08:40:15.373	0.4					T__		1.7		---		15285198	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.9 1																								
VVHS	1.22	22.4	Sn	08:40:32.829	-1.3					T__				---		15285199	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
2019/01/31	09:25:42.12	0.18	0.39	46.9553	22.3094	1.4	1.0	150	1.5F	1.5	29	116	0.32	2.43	a	ke	BUC	15267637	ISC			360
2019/01/31	09:25:41.62	0.76	1.05	46.9909	22.3189	4.4	2.9	9	5.0A	59	17	81	0.33	2.45	m	ke	BUD	15326152	iLoc			155

Magnitude Err Nsta Author OrigID
ml 1.8 BUC 15267637
ML 2.2 0.0 9 ILOC 15326152

Sta	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	126.4	Pg	09:25:48.320	-0.2					T__		159.0		_c_	MLv	15326154	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.33	126.4	Lg	09:25:53.104	-1.1					T__				---		15326155	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.33	126.4	Pg	09:25:48.429	-0.1					T__				---		15326156	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.33	126.4	Pg	09:25:48.429	-0.1					T__				---		15326157	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.33	126.4	Lg	09:25:53.237	-1.0					T__				---		15326158	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.4 0																								
BORR	0.38	285.4	Pg	09:25:49.416	-0.1					T__				---		15326159	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	0.38	285.4	Pg	09:25:49.416	-0.1					T__		0.2		---		15326160	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	0.38	285.4	Lg	09:25:54.870	-0.9					T__		0.2		---		15326161	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	0.38	285.4	Lg	09:25:54.870	-0.9					T__				---		15326162	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.46	69.5	Pg	09:25:50.572	-0.2					T__				---		15326163	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.46	69.5	Pg	09:25:50.572	-0.2					T__		0.1		---		15326164	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.46	69.5	Lg	09:25:57.198	-1.0					T__		0.1		---		15326165	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.46	69.5	Lg	09:25:57.198	-1.0					T__				---		15326166	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.63	119.5	Pg	09:25:54.034	-0.3					T__				---		15326167	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.63	119.5	Pg	09:25:54.034	-0.3					T__				---		15326168	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.63	119.5	Lg	09:26:02.619	-1.7					T__				---		15326169	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.85	212.4	Lg	09:26:09.700	-1.1					T__				---		15326170	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.86	212.2	Pg	09:25:58.259	-0.6					T__		38.3		___	MLv	15326171	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.86	212.2	Lg	09:26:09.490	-1.4					T__				---		15326172	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.6 1																								
CJR	0.92	107.1	Pg	09:25:59.531	-0.1					T__		194.6		___	MLv	15326173	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
CJR	0.92	107.1	Pg	09:25:59.947	0.3					T__				---		15326174	FDSN	IR	--	ISC	iLoc	???	???	_

CJR	0.92	107.1	Pg	09:25:59.947	0.3	T__							15326175	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.92	107.1	Lg	09:26:12.239	-0.9	T__							15326176	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 2.3 0)																					
BMR	1.05	49.2	Pn	09:26:03.064	1.0	T__	123.8						15326177	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
BMR	1.05	49.1	Pn	09:26:02.408	0.4	T__							15326178	FDSN	IR	--	ISC	iLoc	???	???	_
BMR	1.05	49.1	Pn	09:26:02.408	0.4	T__	0.1						15326179	FDSN	IR	--	ISC	iLoc	???	???	_
BMR	1.05	49.1	Sn	09:26:18.863	0.6	T__	0.1						15326180	FDSN	IR	--	ISC	iLoc	???	???	_
BMR	1.05	49.1	Sn	09:26:18.863	0.6	T__							15326181	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.2 1)																					
TRPA	1.15	7.4	Pn	09:26:02.863	-0.3	T__	20.0						15326182	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 1.4 1)																					
DEV	1.17	159.9	Pg	09:26:05.000	1.0	T__	110.1						15326183	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 2.2 1)																					
SURR	1.24	186.3	Pn	09:26:05.226	0.6	T__							15326184	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.24	186.3	Pn	09:26:05.226	0.6	T__							15326185	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.24	186.3	Lg	09:26:22.144	0.2	T__							15326186	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	1.39	85.4	Lg	09:26:29.039	1.4	T__							15326187	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	1.39	85.4	Lg	09:26:29.039	1.4	T__							15326188	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.45	199.2	Pn	09:26:07.802	0.3	T__	38.9						15326189	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	1.45	199.2	Lg	09:26:28.575	0.0	T__							15326190	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	1.46	199.8	Pn	09:26:08.564	1.0	T__							15326191	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.46	199.8	Pn	09:26:08.564	1.0	T__							15326192	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.46	199.8	Sn	09:26:28.217	0.8	T__							15326193	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.9 1)																					
GZR	1.63	168.6	Pn	09:26:11.725	1.4	T__							15326194	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.63	168.6	Pn	09:26:11.725	1.4	T__							15326195	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.63	168.6	Pn	09:26:11.898	1.5	T__	63.2						15326196	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.63	168.6	Lg	09:26:33.550	-0.8	T__							15326197	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.63	168.6	Lg	09:26:34.631	0.3	T__							15326198	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 2.2 1)																					
LOT	1.84	146.3	Pn	09:26:15.187	1.6	T__							15326199	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.84	146.3	Pn	09:26:15.187	1.6	T__							15326200	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.84	146.3	Sn	09:26:39.492	1.7	T__							15326201	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.84	146.4	Pg	09:26:15.918	-1.0	T__	46.0						15326202	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 2.2 1)																					
BURAR	2.07	70.5	Pn	09:26:18.537	1.7	T__							15326203	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BURAR	2.07	71.4	Pn	09:26:18.247	1.4	T__							15326204	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.07	71.4	Pn	09:26:18.247	1.4	T__							15326205	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.07	71.4	Sn	09:26:45.531	1.7	T__							15326206	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	2.11	178.1	Pn	09:26:18.033	1.1	T__							15326208	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	2.11	178.1	Pn	09:26:18.033	1.1	T__							15326207	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	2.11	178.1	Sn	09:26:45.655	2.5	T__							15326209	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.45	128.4	Pn	09:26:23.312	1.1	T__							15326210	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.45	128.4	Pn	09:26:23.312	1.1	T__							15326211	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.45	128.4	Sn	09:26:54.423	1.1	T__							15326212	FDSN	IR	--	ISC	iLoc	???	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/01/31 10:04:31.67 0.86 0.73 48.5302 20.7876 5.3 3.6 4 0.0S 19 11 96 0.21 1.31 m sx BUD 15285334 iLoc 128
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
ML 1.8 0.2 8 ILOC 15285334

Sta	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	256.9	Pg	10:04:35.847	-0.2					T__		2131.9		---	MLv	15285336	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_		
KECS	0.21	256.9	Lg	10:04:39.402	-0.0					T__				---		15285337	FDSN	SK	--	BUD	iLoc	EHN	???	_		
(Station ML : 2.2 0)																										
ABAH	0.38	127.7	Pg	10:04:39.872	0.3					T__		95.2		---	MLv	15285338	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
ABAH	0.38	127.7	Lg	10:04:45.034	-1.2					T__				---		15285339	FDSN	HU	--	BUD	iLoc	HHE	???	_		
(Station ML : 1.3 0)																										
PSZ	0.86	224.6	Pn	10:04:50.755	0.7					T__		67.8		---	MLv	15285340	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	0.86	224.6	Sn	10:05:03.960	-0.9					T__				---		15285341	FDSN	GE	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.8 1)																										
STHS	0.94	18.5	Pg	10:04:49.129	0.0					T__		67.9		---	MLv	15285342	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_		
STHS	0.94	18.5	Lg	10:05:02.526	-0.5					T__				---		15285343	FDSN	SK	--	BUD	iLoc	EHN	???	_		
(Station ML : 1.9 1)																										
NIE	0.94	340.8	Pn	10:04:51.795	0.5					T__		55.7		---	MLv	15285344	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_		
NIE	0.94	340.8	Lg	10:05:02.909	0.0					T__				---		15285345	FDSN	PL	--	BUD	iLoc	BHE	???	_		
(Station ML : 1.8 1)																										
HOLU	1.06	89.6	Pn	10:04:52.872	0.2					T__				---		15285346	FDSN	UA	--	BUD	iLoc	MHZ	???	_		
KOLS	1.06	67.1	Lg	10:05:07.551	-0.9					T__				---		15285347	FDSN	SK	--	BUD	iLoc	HHE	???	_		
A336A	1.23	256.7	Pg	10:04:57.309	0.9					T__		86.5		---	MLv	15285348	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
A336A	1.23	256.7	Sn	10:05:14.288	0.8					T__				---		15285349	FDSN	Z3	00	BUD	iLoc	HH2	???	_		
(Station ML : 2.1 1)																										
TRPA	1.24	108.2	Pg	10:04:55.861	0.4					T__		23.1		---	MLv	15285350	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_		
TRPA	1.24	108.2	Sn	10:05:12.909	-1.0					T__				---		15285351	FDSN	HU	--	BUD	iLoc	BHE	???	_		
(Station ML : 1.6 1)																										
VYHS	1.30	269.1	Pn	10:04:56.289	0.1					T__		13.9		---	MLv	15285352	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_		
VYHS	1.30	269.1	Sn	10:05:14.739	-0.9					T__				---		15285353	FDSN	SK	--	BUD	iLoc	HHN	???	_		
(Station ML : 1.4 1)																										
STZU	1.31	67.5	Pn	10:04:57.484	1.0					T__				---		15285354	FDSN	UA	--	BUD	iLoc	MHZ	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/01/31	10:28:19.70	1.31	0.37	47.2214	18.3000	8.3	4.8	113	0.0S		7	5	159	0.14	1.03	m	kx BUD	15285388	iLoc			257
2019/01/31	10:28:19.92f		0.40	47.2302	18.2835f				0.0S		7		156	0.13	1.04	a	kx BUD_GT	15327385	BUD			254

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

Magnitude Err Nsta Author OrigID

Sta	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	353.4	Pg	10:28:23.469	0.2					T__		182.4		---	MLv	15329041	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.13	353.4	Lg	10:28:25.987	-0.4					T__				---		15329042	FDSN	HU	--	BUD	BUD	HHN	???	_
A268A	0.32	309.6	Lg	10:28:32.491	0.0					T__				---		15329043	FDSN	Z3	00	BUD	BUD	HHE	???	_
A269A	0.41	9.3	Lg	10:28:35.849	-0.1					T__				---		15329044	FDSN	Z3	00	BUD	BUD	HHE	???	_
MPLH	0.51	263.5	Pg	10:28:30.567	0.1					T__		63.7		---	MLv	15329045	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MPLH	0.51	263.5	Lg	10:28:38.506	0.1					T__				---		15329046	FDSN	HU	--	BUD	BUD	BHE	???	_
MORH	1.04	166.1	Lg	10:28:54.994	-0.9					T__				---		15329047	FDSN	HU	--	BUD	BUD	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
2019/02/01 09:44:48.67 2.96 0.51 46.1663 18.2848 90.4 3.8 158 0.0S 5 3 199 0.15 0.79 m kx BUD 15285405 iLoc 324
2019/02/01 09:44:48.63f 0.28 46.1765 18.2926f 0.0S 5 204 0.16 0.80 a kx BUD_GT 15327389 BUD 326
(GT info : GT2 explosion)
(description : known quarry blast)
(locality : Koml6-II Hungary)

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Magnitude Err Nsta Author      OrigID
ML 0.8 1.7 3 BUD 15285405
ML 1.0 0.4 3 ILOC 15327389

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Sta 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 0.16 236.7 Pg 09:44:52.323 -0.2 T__ 184.6 ___ MLv 15329048 FDSN HU -- BUD BUD BHZ BHZ _
KOVH 0.16 236.7 Lg 09:44:55.348 -0.2 T__ ___ 15329049 FDSN HU -- BUD BUD BHN ??? _
(Station ML : 1.0 1
MORH 0.25 80.7 Pg 09:44:54.464 0.3 T__ 60.8 ___ MLv 15329050 FDSN HU -- BUD BUD BHZ BHZ _
MORH 0.25 80.7 Lg 09:44:58.362 -0.2 T__ ___ 15329051 FDSN HU -- BUD BUD BHZ ??? _
(Station ML : 0.8 1
A252A 0.80 202.9 Pn 09:45:06.495 0.4 T__ 95.9 ___ MLv 15329052 FDSN Z3 -- BUD BUD HHZ 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
2019/02/01 11:45:42.01 0.57 0.59 46.2091 16.0335 3.6 1.8 83 0.0F 0.0 12 32 1.07 1.07 a sx VIE 15267734 ISC 360
2019/02/01 11:45:42.70 1.23 0.46 46.1832 16.0099 15.2 4.6 134 0.0S 9 4 195 0.31 1.12 m sx BUD 15326668 iLoc 256

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Magnitude Err Nsta Author      OrigID
ml 1.7 VIE 15267734

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Sta 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 0.31 32.1 Pg 11:45:48.800 -0.5 T__ 0.8 ___ 15326670 FDSN IR -- ISC iLoc ??? ??? _
KOGS 0.31 32.1 Pg 11:45:49.166 -0.1 T__ 207.8 ___ MLv 15326671 FDSN SL -- BUD iLoc BHZ BHZ _
KOGS 0.31 32.1 Lg 11:45:54.618 0.7 T__ ___ 15326672 FDSN SL -- BUD iLoc BHE ??? _
CRES 0.53 227.4 Pg 11:45:52.679 -0.2 T__ 589.5 ___ MLv 15326673 FDSN SL -- BUD iLoc BHZ BHZ _
CRES 0.53 227.4 Lg 11:46:01.127 0.5 T__ ___ 15326674 FDSN SL -- BUD iLoc BHE ??? _
OBKA 1.06 288.4 Pg 11:46:02.962 0.1 T__ 0.8 0.42 ___ 15326675 FDSN IR -- ISC iLoc ??? ??? _
OBKA 1.06 288.4 Lg 11:46:16.806 -0.3 T__ 2.3 0.28 ___ 15326676 FDSN IR -- ISC iLoc ??? ??? _
OBKA 1.06 288.4 Sn 11:46:20.758 0.2 T__ ___ 15326677 FDSN OE -- BUD iLoc BHE ??? _
ARSA 1.12 342.8 Sn 11:46:21.242 0.2 T__ ___ 15326678 FDSN OE -- BUD iLoc BHE ??? _
KOVH 1.46 93.0 Sn 11:46:15.634 -13.3 T__ ___ 15326679 FDSN HU -- 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
2019/02/02 18:57:26.11 0.82 0.94 47.8491 18.6222 3.4 2.5 117 4.9F 14.5 26 16 63 0.21 1.07 m ke BUD 15285477 iLoc 121

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Magnitude Err Nsta Author      OrigID
ML 1.7 0.2 13 ILOC 15285477

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Sta Dist EvAz Phase      Time      TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
SRO 0.21 260.4 Pg 18:57:31.567 1.0 T__ 833.8 ___ MLv 15285479 FDSN SK -- BUD iLoc EHZ EHZ _

```

SR0	0.21	260.4	Lg	18:57:34.177	-0.2	T__	---	15285480	FDSN	SK	--	BUD	iLoc	EHN	???	_		
(Station ML : 1.8 1																		
A338A	0.25	312.6	Pg	18:57:32.271	1.0	T__	360.4	---	MLv	15285481	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A338A	0.25	312.6	Lg	18:57:36.801	1.3	T__	---	---	---	15285482	FDSN	Z3	00	BUD	iLoc	HH3	???	_
(Station ML : 1.5 1																		
A269A	0.27	217.6	Pg	18:57:31.047	-0.6	T__	303.5	---	MLv	15285483	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A269A	0.27	217.6	Lg	18:57:34.641	-1.6	T__	---	---	---	15285484	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 1.5 0																		
BUD	0.46	143.3	Pg	18:57:36.610	1.0	T__	96.4	---	MLv	15285485	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.6 1																		
A336A	0.46	33.2	Pg	18:57:35.579	0.1	T__	107.6	---	MLv	15285486	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A336A	0.46	33.2	Lg	18:57:42.233	-0.4	T__	---	---	---	15285487	FDSN	Z3	00	BUD	iLoc	HH3	???	_
(Station ML : 1.6 1																		
CSKK	0.54	206.8	Pg	18:57:36.822	-0.2	T__	128.1	---	MLv	15285488	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.54	206.8	Lg	18:57:44.444	-1.5	T__	---	---	---	15285489	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.9 1																		
A335A	0.63	342.3	Pg	18:57:38.948	0.1	T__	124.9	---	MLv	15285490	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A335A	0.63	342.3	Lg	18:57:47.315	-1.1	T__	---	---	---	15285491	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 1.9 1																		
A268A	0.63	228.7	Pg	18:57:38.983	0.3	T__	71.2	---	MLv	15285492	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.7 1																		
VYHS	0.66	12.4	Pg	18:57:39.432	-0.1	T__	11.5	---	MLv	15285493	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.66	12.4	Lg	18:57:48.005	-1.1	T__	---	---	---	15285494	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 0.9 0																		
A337A	0.68	305.6	Lg	18:57:50.761	0.4	T__	---	---	---	15285495	FDSN	Z3	00	BUD	iLoc	HHN	???	_
PSZ	0.86	84.9	Pn	18:57:44.130	0.3	T__	51.3	---	MLv	15285496	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.86	84.9	Lg	18:57:57.360	0.5	T__	---	---	---	15285497	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.7 1																		
A332A	0.96	353.8	Pg	18:57:45.227	-0.1	T__	62.2	---	MLv	15285498	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.8 1																		
EGYH	0.97	244.1	Lg	18:57:59.837	0.7	T__	---	---	---	15285499	FDSN	HU	--	BUD	iLoc	HHN	???	_
MPLH	1.00	227.6	Pg	18:57:46.396	0.6	T__	94.9	---	MLv	15285500	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	1.00	227.6	Lg	18:57:59.845	-0.1	T__	---	---	---	15285501	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 2.0 0																		
MODS	1.04	300.7	Pn	18:57:46.269	-0.2	T__	---	---	---	15285502	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	1.04	300.7	Lg	18:58:00.277	-2.1	T__	---	---	---	15285503	FDSN	SK	--	BUD	iLoc	HHN	???	_
TIH	1.07	208.0	Pg	18:57:48.160	0.9	T__	153.9	---	MLv	15285504	FDSN	HU	--	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
2019/02/04	08:30:25.83	1.15	0.72	47.9577	19.9076	7.5	4.1	74	0.0S	9	6	124	0.04	1.16	m	sx	BUD	15285558	iLoc			225
(description : suspected quarry blast)																						
(locality : Gyöngyöstarján Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.2	3 ILOC	15285558

Sta	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	0.04	192.8	Pg	08:30:27.307	-0.1					T__		2771.4		---	MLv	15285560	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.04	192.8	Lg	08:30:29.330	0.3					T__				---	---	15285561	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.9 1																								
KECS	0.65	36.1	Sn	08:30:52.749	-0.7					T__				---	---	15285562	FDSN	SK	--	BUD	iLoc	EHN	???	_

A336A	0.67	294.7	Lg	08:30:49.839	-0.1					T__				15285563	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
VYHS	0.90	307.2	Pg	08:30:44.186	0.2					T__	10.6		---	MLv	15285564	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.90	307.2	Lg	08:30:56.230	-0.9					T__				---	15285565	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.0 1																							
ABAH	0.95	68.7	Pg	08:30:44.789	0.0					T__	85.7		---	MLv	15285566	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.95	68.7	Sn	08:31:01.799	1.1					T__				---	15285567	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 2.0 1																							
A335A	1.16	295.5	Lg	08:31:07.629	0.8					T__				---	15285568	FDSN	Z3	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
2019/02/04	09:13:56.23	1.65	1.69	48.2551	21.2518	17.4	6.1	32	0.0S		8	5	196	0.04	1.19	m	kx	BUD	15285582	iLoc		251
2019/02/04	09:13:56.12f		1.34	48.2470	21.2460f				0.0S		8		198	0.05	1.19	a	kx	BUD_GT	15327395	BUD		257
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Tallya Hungary)																						

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	09:13:57.740	0.1					T__		5134.8		---	MLv	15329053	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
ABAH	0.05	355.1	Lg	09:13:58.694	-0.6					T__					---	15329054	FDSN	HU	--	BUD	BUD	HHN	???	_
KECS	0.56	295.3	Lg	09:14:15.764	-0.2					T__					---	15329055	FDSN	SK	--	BUD	BUD	EHE	???	_
HOLU	0.81	69.3	Pn	09:14:13.489	-0.1					T__					---	15329056	FDSN	UA	--	BUD	BUD	MHZ	???	_
HOLU	0.81	69.3	Sn	09:14:27.270	-0.9					T__					---	15329057	FDSN	UA	--	BUD	BUD	MHZ	???	_
TRPA	0.87	97.2	Pg	09:14:13.179	0.0					T__	16.1			---	MLv	15329058	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
TRPA	0.87	97.2	Lg	09:14:26.716	-0.9					T__					---	15329059	FDSN	HU	--	BUD	BUD	BHN	???	_
STZU	1.19	49.4	Pn	09:14:22.811	3.5					T__					---	15329060	FDSN	UA	--	BUD	BUD	MHZ	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/04	09:24:58.31	1.21	1.06	48.5875	20.7967	8.9	4.0	9	0.0S		14	7	149	0.23	1.31	m	sx	BUD	15285600	iLoc		191
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.2	6 ILOC	15285600

Sta	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	243.3	Pg	09:25:02.976	-0.2					T__		1244.7		---	MLv	15285602	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.23	243.3	Lg	09:25:06.500	-0.4					T__		1.2			---	15285603	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	0.23	243.3	Sg	09:25:07.400	0.5					T__		1.2			---	15285604	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	0.23	243.3	Lg	09:25:07.507	0.6					T__					---	15285605	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 2.0 0																								
ABAH	0.41	134.5	Pg	09:25:07.076	0.3					T__	66.5			---	MLv	15285606	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.41	134.5	Lg	09:25:13.315	-0.7					T__					---	15285607	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.3 1																								
PSZ	0.90	222.3	Pn	09:25:14.858	-2.4					T__	57.8			---	MLv	15285608	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.90	222.3	Lg	09:25:30.003	-0.8					T__					---	15285609	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.8 1																								

LANS	1.04	303.2	Pg	09:25:18.705	-0.2	T__	42.3	___	MLv	15285610	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_	
(Station ML : 1.7 1																			
HOLU	1.06	92.7	Pn	09:25:19.899	0.6	T__		---		15285611	FDSN	UA	--	BUD	iLoc	MHZ	???	_	
A336A	1.25	254.2	Pg	09:25:24.459	1.0	T__	66.1	---	MLv	15285612	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A336A	1.25	254.2	Sn	09:25:40.885	0.2	T__		---		15285613	FDSN	Z3	00	BUD	iLoc	HH2	???	_	
(Station ML : 2.0 1																			
VYHS	1.31	266.6	Pn	09:25:23.636	0.7	T__	8.5	---	MLv	15285614	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_	
VYHS	1.31	266.6	Sn	09:25:40.947	-1.5	T__		---		15285615	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
2019/02/04	11:14:51.88	0.88	0.98	47.2380	18.3505	5.2	3.2	70	0.0S		17	10	106	0.14	1.30	m	kx BUD	15285643	iLoc			139
2019/02/04	11:14:52.17f		1.14	47.2302	18.2835f				0.0S		17		97	0.13	1.32	a	kx BUD_GT	15327401	BUD			128
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Iszkaszentgyörgy Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.3	8 BUD	15285643
ML	1.5	0.3	8 ILOC	15327401

Sta	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	11:14:55.200	-0.3					T__		2.9				15329061	FDSN	IR	--	ISC	BUD	???	???	_
CSKK	0.13	353.4	Pg	11:14:55.345	-0.1					T__		283.6			MLv	15329062	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.13	353.4	Lg	11:14:58.052	-0.6					T__						15329063	FDSN	HU	--	BUD	BUD	HHE	???	_
(Station ML : 1.1 0																								
A267A	0.31	154.4	Pg	11:14:58.984	0.1					T__		203.7			MLv	15329064	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A267A	0.31	154.4	Lg	11:15:03.320	-1.2					T__						15329065	FDSN	Z3	00	BUD	BUD	HHZ	???	_
(Station ML : 1.5 1																								
A268A	0.32	309.6	Lg	11:15:05.197	0.5					T__						15329066	FDSN	Z3	00	BUD	BUD	HHN	???	_
A269A	0.41	9.3	Pg	11:15:00.956	0.1					T__		119.9			MLv	15329067	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 1.5 1																								
MPLH	0.51	263.5	Pg	11:15:03.802	1.1					T__		73.6			MLv	15329068	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MPLH	0.51	263.5	Lg	11:15:11.841	1.2					T__						15329069	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 1.6 1																								
MORH	1.04	166.1	Pn	11:15:11.907	-0.8					T__		12.7			MLv	15329070	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	1.04	166.1	Lg	11:15:26.461	-1.7					T__						15329071	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 1.2 1																								
A336A	1.11	25.4	Pg	11:15:15.110	0.3					T__		54.1			MLv	15329072	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 1.9 1																								
KOVH	1.15	186.4	Sn	11:15:29.400	-2.2					T__						15329073	FDSN	HU	--	BUD	BUD	BHE	???	_
PSZ	1.29	57.1	Pn	11:15:17.502	1.0					T__		51.8			MLv	15329074	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	1.29	57.1	Sn	11:15:33.185	-2.7					T__						15329075	FDSN	GE	--	BUD	BUD	BHE	???	_
(Station ML : 1.9 0																								
VYHS	1.32	16.2	Pn	11:15:17.259	0.3					T__		8.0			MLv	15329076	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
VYHS	1.32	16.2	Sn	11:15:36.383	-0.3					T__						15329077	FDSN	SK	--	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/04	20:04:12.39	0.50	0.51	46.3613	21.4596	3.9	1.6	103	7.1F	2.5	17	203		0.17	1.59	a	ke BUC	15267755	ISC			360

2019/02/04 20:04:11.31 1.54 0.91 46.3639 21.3657 10.3 4.6 106 5.2F 9.7 33 10 115 0.23 1.89 m ke BUD 15285711 iLoc 210

Magnitude Err Nsta Author OrigID
 ml 1.1 BUC 15267755
 ML 1.5 0.2 4 ILOC 15285711

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
SIRR	0.23	115.2	Lg	20:04:18.770	-1.2					T__		0.1				15285713	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.23	115.2	Lg	20:04:18.770	-1.2					T__						15285714	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.23	115.5	Pg	20:04:15.847	-0.4					T__		38.8			MLv	15285715	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.23	115.5	Lg	20:04:20.483	0.3					T__						15285716	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 0.5 1																								
BZS	0.77	166.7	Pg	20:04:26.489	0.2					T__						15285717	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.77	166.7	Pg	20:04:26.489	0.2					T__						15285718	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.77	166.7	Lg	20:04:37.226	0.2					T__						15285719	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.77	165.5	Pg	20:04:25.186	-1.1					T__		32.4			MLv	15285720	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.77	165.5	Lg	20:04:35.943	-1.1					T__						15285721	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 1.4 1																								
BORR	0.78	21.5	Lg	20:04:37.050	-1.2					T__						15285722	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	0.78	21.5	Lg	20:04:37.050	-1.2					T__						15285723	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.81	138.8	Pg	20:04:27.484	0.6					T__						15285724	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.81	138.8	Pg	20:04:27.484	0.6					T__						15285725	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.81	138.8	Lg	20:04:37.700	-0.4					T__						15285726	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.02	64.8	Pg	20:04:32.009	0.5					T__						15285727	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.02	64.8	Pg	20:04:32.009	0.5					T__						15285728	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.02	64.8	Pn	20:04:30.269	-0.9					T__		45.1			MLv	15285729	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	1.02	64.8	Lg	20:04:44.231	-1.5					T__						15285730	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 1.7 1																								
MARR	1.25	74.9	Pn	20:04:35.109	0.6					T__						15285731	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.25	74.9	Pn	20:04:35.109	0.6					T__						15285732	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.25	74.9	Sn	20:04:51.592	-0.9					T__						15285733	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	1.34	53.6	Pg	20:04:38.087	0.7					T__						15285734	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	1.34	53.6	Pg	20:04:38.087	0.7					T__						15285735	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	1.34	53.6	Sn	20:04:54.436	0.3					T__						15285736	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.38	134.1	Pg	20:04:37.681	0.1					T__						15285737	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.38	134.1	Pg	20:04:37.681	0.1					T__						15285738	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.38	134.1	Pg	20:04:39.744	2.2					T__		23.3			MLv	15285739	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.38	134.1	Sn	20:04:55.282	-0.1					T__						15285740	FDSN	RO	--	BUD	iLoc	BHE	???	_
GZR	1.38	134.1	Sn	20:04:55.897	0.5					T__						15285741	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.6 1																								
MDVR	1.60	171.1	Pn	20:04:40.577	1.2					T__						15285742	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.60	171.1	Pn	20:04:40.577	1.2					T__						15285743	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.60	171.1	Lg	20:05:02.947	-0.3					T__						15285744	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.89	266.5	Sn	20:05:07.408	0.5					T__						15285745	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/02/05 06:14:50.47 0.28 0.46 46.9665 21.6937 2.5 2.2 55 16.1F 2.1 16 126 0.14 2.19 a ke BUC 15267807 ISC 360
 2019/02/05 06:14:50.67 0.92 0.71 46.9494 21.7150 7.9 5.6 90 6.9F 8.8 33 10 125 0.15 2.17 m ke BUD 15285764 iLoc 163

Magnitude Err Nsta Author OrigID
 ml 1.4 BUC 15267807

ML 1.6 0.3 4 ILOC 15285764

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
BORR	0.15	18.9	Pg	06:14:53.927	-0.2					T__						15285766	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	0.15	18.9	Pg	06:14:53.927	-0.2					T__		1.6				15285767	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	0.15	18.9	Lg	06:14:57.238	0.2					T__		1.6				15285768	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	0.15	18.9	Lg	06:14:57.238	0.2					T__						15285769	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.68	183.2	Lg	06:15:14.250	-0.0					T__						15285770	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.69	183.0	Pg	06:15:04.506	-0.1					T__		39.0			MLv	15285771	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.69	183.0	Lg	06:15:13.889	-0.5					T__						15285772	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.5 1																								
DRGR	0.70	102.6	Pg	06:15:04.541	-0.2					T__		39.6			MLv	15285773	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.70	102.6	Lg	06:15:14.650	-0.5					T__						15285774	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.70	102.6	Pg	06:15:04.664	-0.1					T__						15285775	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.70	102.6	Pg	06:15:04.664	-0.1					T__						15285776	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.5 1																								
MARR	1.00	105.3	Pn	06:15:10.491	0.3					T__						15285777	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.00	105.3	Pn	06:15:10.491	0.3					T__						15285778	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.00	105.3	Sn	06:15:23.404	-2.1					T__						15285779	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.23	166.5	Pn	06:15:13.679	0.6					T__						15285780	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.23	166.5	Pn	06:15:13.679	0.6					T__						15285781	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.23	166.5	Sn	06:15:30.292	0.2					T__						15285782	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.33	182.3	Pn	06:15:15.170	0.7					T__		37.3			MLv	15285783	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	1.33	182.3	Sn	06:15:33.554	0.9					T__						15285784	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	1.33	183.0	Pn	06:15:13.800	-0.7					T__						15285785	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.33	183.0	Pn	06:15:13.800	-0.7					T__						15285786	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.33	183.0	Sn	06:15:32.332	-0.4					T__						15285787	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.8 1																								
ABAH	1.39	346.8	Pn	06:15:15.628	0.7					T__		69.0			MLv	15285788	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	1.39	346.8	Sn	06:15:33.866	0.1					T__						15285789	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 2.1 1																								
PSZ	1.57	308.8	Sn	06:15:38.118	-0.4					T__						15285790	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	1.57	308.8	Sn	06:15:38.118	-0.4					T__						15285791	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	1.57	308.8	Sn	06:15:38.574	0.0					T__						15285792	FDSN	GE	--	BUD	iLoc	BHN	???	_
GZR	1.72	154.3	Pn	06:15:20.858	0.5					T__						15285793	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.72	154.3	Pn	06:15:20.858	0.5					T__						15285794	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.72	154.3	Sn	06:15:43.508	0.9					T__						15285795	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.72	154.3	Sn	06:15:44.425	1.8					T__						15285796	FDSN	RO	--	BUD	iLoc	BHN	???	_
MDVR	2.17	180.0	Sn	06:15:53.616	0.4					T__						15285797	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	2.17	180.0	Sn	06:15:53.616	0.4					T__						15285798	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/05	10:58:51.84	0.38	0.70	47.3415	18.3335				0.0F	0.0	8	108		0.05	1.20	a	kx KRSZO	15267858	ISC			360
2019/02/05	10:58:50.18	1.24	0.74	47.3413	18.3357	8.2	5.7	66	0.0S		9	5	108	0.06	1.20	m	sx BUD	15285818	iLoc			192

(description : suspected quarry blast)

(locality : Gánt Hungary)

Magnitude	Err	Nsta	Author	OrigID
M	1.8		KRSZO	15267858
MLv	1.8		KRSZO	15267858
ML	1.7	0.2	4 ILOC	15285818

Sta	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	293.4	Pg	10:58:52.085	0.1					T__		1913.8		---	MLv	15285820	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_			
CSKK	0.06	293.4	Lg	10:58:53.601	-0.3					T__				---		15285821	FDSN	HU	--	BUD	iLoc	HHZ	???	_			
CSKK	0.06	293.2	Lg	10:58:53.900	0.0					T__		19.3		---		15285822	FDSN	IR	--	ISC	iLoc	???	???	_			
				(Station ML : 1.7 1																							
MPLH	0.57	252.8	Pg	10:59:01.931	0.1					T__		56.5		---	MLv	15285823	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_			
				(Station ML : 1.6 1																							
MORH	1.15	169.2	Lg	10:59:29.385	-0.1					T__				---		15285824	FDSN	HU	--	BUD	iLoc	BHE	???	_			
VYHS	1.20	16.1	Pg	10:59:14.593	0.1					T__		8.7		---	MLv	15285825	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_			
VYHS	1.20	16.1	Sn	10:59:30.676	-1.1					T__				---		15285826	FDSN	SK	--	BUD	iLoc	HHN	???	_			
				(Station ML : 1.1 1																							
PSZ	1.20	60.7	Pn	10:59:13.634	0.3					T__		43.8		---	MLv	15285827	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_			
PSZ	1.20	60.7	Sn	10:59:30.467	-1.3					T__				---		15285828	FDSN	GE	--	BUD	iLoc	BHE	???	_			

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/05	11:12:56.26	1.33	2.34	47.3697	18.4424	6.0	3.9	155	0.0A		8	112		0.12	1.16	a	kx KRSZO	15267865	ISC			360
2019/02/05	11:12:56.62	1.16	0.54	47.3580	18.3932	6.7	5.1	105	0.0S		11	7	110	0.09	2.17	m	sx BUD	15285886	iLoc			156
(description : suspected quarry blast)																						
(locality : Gánt Hungary)																						

Magnitude Err Nsta Author OrigID

Sta	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	273.4	Pg	11:12:59.348	0.3					T__		1530.9		---	MLv	15285888	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.09	273.4	Lg	11:13:01.034	-0.5					T__				---		15285889	FDSN	HU	--	BUD	iLoc	HHE	???	_
CSKK	0.09	273.3	Pg	11:12:59.575	0.5					T__		1543.8		---		15285890	FDSN	IR	--	ISC	iLoc	???	???	_
CSKK	0.09	273.3	Lg	11:13:00.925	-0.6					T__				---		15285891	FDSN	IR	--	ISC	iLoc	???	???	_
A269A	0.28	358.5	Lg	11:13:07.713	-0.3					T__				---		15285892	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A267A	0.42	171.6	Lg	11:13:11.884	-0.5					T__				---		15285893	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MORH	1.16	171.3	Sn	11:13:35.980	-0.3					T__				---		15285894	FDSN	HU	--	BUD	iLoc	BHN	???	_
PSZ	1.16	60.5	Pn	11:13:20.054	0.8					T__		50.9		---	MLv	15285895	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	1.16	60.5	Sn	11:13:37.330	0.1					T__				---		15285896	FDSN	GE	--	BUD	iLoc	BHN	???	_
VYHS	1.18	14.5	Lg	11:13:37.019	-0.5					T__				---		15285897	FDSN	SK	--	BUD	iLoc	HHN	???	_
KRUC	2.17	322.7	Pg	11:13:38.500	0.0					T__				---		15285898	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/05	21:39:13.73	0.91	0.63	47.8093	18.3796	4.8	3.3	66	5.0A		9	7	84	0.04	0.75	m	ke BUD	15285908	iLoc			164

Magnitude Err Nsta Author OrigID
ML 1.3 0.2 3 ILOC 15285908

Sta	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	0.04	275.1	Pg	21:39:15.402	0.2					T__		5890.7		_d_	MLv	15285910	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_			
SRD	0.04	275.1	Lg	21:39:16.202	-0.4					T__				---		15285911	FDSN	SK	--	BUD	iLoc	EHN	???	_			
				(Station ML : 2.2 1																							
A269A	0.17	179.4	Pg	21:39:17.244	-0.2					T__		247.6		---	MLv	15285912	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_			
A269A	0.17	179.4	Lg	21:39:19.941	-0.7					T__				---		15285913	FDSN	Z3	00	BUD	iLoc	HHE	???	_			

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(Station ML : 1.2 1
A338A 0.21 354.9 Lg 21:39:21.685 -0.1 T__
CSKK 0.45 190.3 Pg 21:39:23.527 0.6 T__ 58.0 --- MLv 15285915 FDSN HU -- BUD iLoc HHZ HHZ _
(Station ML : 1.3 1
BUD 0.54 126.6 Lg 21:39:34.080 0.5 T__
A336A 0.59 44.2 Lg 21:39:35.005 0.2 T__
VYHS 0.75 23.9 Lg 21:39:38.754 -1.0 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
2019/02/06 09:48:30.55 0.90 0.86 48.5608 20.7512 4.6 3.7 176 0.0S 14 8 93 0.19 1.32 m sx BUD 15285942 iLoc 152
(description : suspected quarry blast)
(locality : Dvorniky-Vcelare Slovakia)

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Magnitude Err Nsta Author OrigID
ML 1.7 0.2 6 ILOC 15285942

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Sta 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 0.19 246.4 Pg 09:48:34.516 -0.1 T__ 1294.3 --- MLv 15285944 FDSN SK -- BUD iLoc EHE EHZ _
KECS 0.19 246.4 Lg 09:48:38.521 0.7 T__ 15285945 FDSN SK -- BUD iLoc EHE ??? _
(Station ML : 1.9 0
ABAH 0.42 129.0 Pg 09:48:39.286 0.1 T__ 69.7 --- MLv 15285946 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.42 129.0 Lg 09:48:45.663 -0.8 T__ 15285947 FDSN HU -- BUD iLoc HHE ??? _
(Station ML : 1.3 1
PSZ 0.86 222.0 Pg 09:48:49.173 0.4 T__ 73.7 --- MLv 15285948 FDSN GE -- BUD iLoc BHZ BHZ _
PSZ 0.86 222.0 Lg 09:49:01.143 -0.5 T__ 15285949 FDSN GE -- BUD iLoc BHN ??? _
(Station ML : 1.8 1
STHS 0.92 20.6 Pg 09:48:48.260 0.7 T__ 81.7 --- MLv 15285950 FDSN SK -- BUD iLoc EHZ EHZ _
STHS 0.92 20.6 Lg 09:49:00.088 -1.1 T__ 15285951 FDSN SK -- BUD iLoc EHE ??? _
(Station ML : 1.9 1
LANS 1.03 305.3 Pg 09:48:50.350 -0.6 T__ 33.0 --- MLv 15285952 FDSN SK -- BUD iLoc EHZ EHZ _
LANS 1.03 305.3 Lg 09:49:05.560 0.0 T__ 15285953 FDSN SK -- BUD iLoc EHN ??? _
(Station ML : 1.6 1
A336A 1.21 255.0 Sn 09:49:13.523 1.5 T__
VYHS 1.27 267.7 Pn 09:48:54.983 0.2 T__ 10.9 --- MLv 15285955 FDSN SK -- BUD iLoc HHZ HHZ _
(Station ML : 1.2 0
STZU 1.32 69.1 Pn 09:48:56.775 1.3 T__
STZU 1.32 69.1 Lg 09:49:14.113 -0.9 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
2019/02/06 09:51:20.60 1.38 0.29 47.7510 18.7643 0.0F 0.0 8 279 0.31 1.18 a kx KRSZO 15267874 ISC 360
2019/02/06 09:51:22.10 0.90 0.76 47.6974 18.5038 3.8 3.3 88 0.0S 17 9 114 0.10 1.07 m sx BUD 15285983 iLoc 130
(description : suspected quarry blast)
(locality : Dorog Hungary)

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Magnitude Err Nsta Author OrigID
M 2.5 KRSZO 15267874
MLv 2.5 KRSZO 15267874
ML 1.7 0.2 4 ILOC 15285983

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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
A269A	0.10	234.4	Pg	09:51:24.637	-0.0					T__		1307.5		---	MLv	15285985	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
A269A	0.10	234.4	Lg	09:51:26.663	-0.4					T__				---		15285986	FDSN	Z3	00	BUD	iLoc	HHE	???	_		
(Station ML : 1.7 1																										
SR0	0.17	312.1	Pg	09:51:26.054	0.0					T__		3395.6		---	MLv	15285987	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_		
SR0	0.17	312.1	Lg	09:51:30.255	0.7					T__				---		15285988	FDSN	SK	--	BUD	iLoc	EHN	???	_		
SR0	0.17	312.1	Lg	09:51:30.400	0.9					T__		3.4		---		15285989	FDSN	IR	--	ISC	iLoc	???	???	_		
(Station ML : 2.3 1																										
CSKK	0.37	206.3	Pg	09:51:30.142	0.2					T__		132.0		---	MLv	15285990	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
CSKK	0.37	206.3	Lg	09:51:36.216	-0.4					T__				---		15285991	FDSN	HU	--	BUD	iLoc	HHZ	???	_		
CSKK	0.37	206.3	Pg	09:51:30.800	0.8					T__		1.3		---		15285992	FDSN	IR	--	ISC	iLoc	???	???	_		
CSKK	0.37	206.3	Lg	09:51:36.800	0.2					T__		1.3		---		15285993	FDSN	IR	--	ISC	iLoc	???	???	_		
(Station ML : 1.5 1																										
A270A	0.38	66.7	Lg	09:51:36.514	-0.1					T__				---		15285994	FDSN	Z3	00	BUD	iLoc	HHE	???	_		
BUD	0.41	121.1	Lg	09:51:37.257	-0.8					T__				---		15285995	FDSN	HU	--	BUD	iLoc	HHE	???	_		
MPLH	0.84	231.5	Pn	09:51:40.215	0.1					T__		61.9		---	MLv	15285996	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_		
MPLH	0.84	231.5	Sn	09:51:53.406	-0.8					T__				---		15285997	FDSN	HU	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.8 1																										
EGYH	0.84	251.0	Sn	09:51:53.500	-0.8					T__				---		15285998	FDSN	IR	--	ISC	iLoc	???	???	_		
EGYH	0.84	250.9	Sn	09:51:53.107	-1.2					T__				---		15285999	FDSN	HU	--	BUD	iLoc	HHN	???	_		
PSZ	0.96	76.2	Lg	09:51:57.145	0.1					T__				---		15286000	FDSN	GE	--	BUD	iLoc	HHE	???	_		
MODS	1.07	309.8	Lg	09:51:58.391	-1.6					T__				---		15286001	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
2019/02/06	15:43:36.99	1.60	1.35	47.8658	20.7591	11.0	7.1	174	3.7F	21.2	10	6	147	0.54	1.71	m	ke BUD	15286022	iLoc			232

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.2	4 ILOC	15286022

Sta	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	36.6	Pg	15:43:48.038	0.4					T__		64.2		---	MLv	15286024	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
ABAH	0.54	36.6	Lg	15:43:55.212	-1.2					T__				---		15286025	FDSN	HU	--	BUD	iLoc	HHE	???	_		
(Station ML : 1.6 1																										
PSZ	0.58	275.5	Pn	15:43:49.999	-0.8					T__		68.2		---	MLv	15286026	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	0.58	275.5	Lg	15:43:57.874	-0.5					T__				---		15286027	FDSN	GE	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.7 1																										
KECS	0.64	343.6	Pg	15:43:50.243	0.4					T__		93.4		---	MLv	15286028	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_		
KECS	0.64	343.6	Lg	15:43:59.192	-0.2					T__				---		15286029	FDSN	SK	--	BUD	iLoc	EHE	???	_		
(Station ML : 1.8 1																										
VYHS	1.43	296.7	Sn	15:44:22.254	-0.3					T__				---		15286030	FDSN	SK	--	BUD	iLoc	HHN	???	_		
KOLS	1.47	42.8	Sn	15:44:24.012	0.2					T__				---		15286031	FDSN	SK	--	BUD	iLoc	HHE	???	_		
DRGR	1.71	128.3	Pg	15:44:10.673	-0.1					T__		49.7		---	MLv	15286032	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
DRGR	1.71	128.3	Sn	15:44:31.917	2.8					T__				---		15286033	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
2019/02/06	15:57:37.31	2.52	1.29	47.8469	20.7942	14.6	8.0	160	5.9F	16.6	10	7	148	0.54	1.68	m	ke BUD	15286066	iLoc			235

Magnitude Err Nsta Author OrigID
ML 1.7 0.1 3 ILOC 15286066

Sta	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	33.4	Pn	15:57:49.930	-1.6					T__		79.7		---	MLv	15286068	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
ABAH	0.54	33.4	Lg	15:57:56.982	0.1					T__				---		15286069	FDSN	HU	--	BUD	iLoc	HHE	???	_		
(Station ML : 1.7 1																										
PSZ	0.61	277.1	Pn	15:57:51.248	0.0					T__		66.1		---	MLv	15286070	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	0.61	277.1	Lg	15:57:59.682	0.1					T__				---		15286071	FDSN	GE	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.7 1																										
KECS	0.67	342.1	Pn	15:57:52.012	0.2					T__		78.5		---	MLv	15286072	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_		
KECS	0.67	342.1	Lg	15:58:00.871	0.2					T__				---		15286073	FDSN	SK	--	BUD	iLoc	EHE	???	_		
(Station ML : 1.8 1																										
A336A	1.27	288.5	Lg	15:58:20.475	-0.2					T__				---		15286074	FDSN	Z3	00	BUD	iLoc	HH2	???	_		
VYHS	1.46	297.0	Sn	15:58:25.458	2.4					T__				---		15286075	FDSN	SK	--	BUD	iLoc	HHN	???	_		
KOLS	1.47	41.6	Lg	15:58:26.824	0.6					T__				---		15286076	FDSN	SK	--	BUD	iLoc	HHN	???	_		
DRGR	1.68	128.3	Lg	15:58:33.779	1.0					T__				---		15286077	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
2019/02/06	19:12:20.66	1.55	0.71	47.8613	20.7613	11.1	5.5	157	10.0A		9	4	147	0.54	1.70	m	ke BUD	15286091	iLoc			239

Magnitude Err Nsta Author OrigID
ML 1.7 0.0 3 ILOC 15286091

Sta	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	36.2	Pg	19:12:31.888	0.4					T__		55.4		---	MLv	15286093	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
ABAH	0.54	36.2	Lg	19:12:38.795	-1.1					T__				---		15286094	FDSN	HU	--	BUD	iLoc	HHZ	???	_		
(Station ML : 1.5 1																										
PSZ	0.59	275.9	Pg	19:12:33.412	0.2					T__		83.1		---	MLv	15286095	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	0.59	275.9	Lg	19:12:41.738	-0.3					T__				---		15286096	FDSN	GE	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.7 1																										
KECS	0.65	343.6	Pg	19:12:33.900	0.2					T__		0.1		---		15286097	FDSN	IR	--	ISC	iLoc	???	???	_		
KECS	0.65	343.6	Pn	19:12:34.051	-0.4					T__		77.3		---	MLv	15286098	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_		
KECS	0.65	343.6	Lg	19:12:42.700	-0.3					T__		0.1		---		15286099	FDSN	IR	--	ISC	iLoc	???	???	_		
KECS	0.65	343.6	Lg	19:12:42.990	-0.0					T__				---		15286100	FDSN	SK	--	BUD	iLoc	EHE	???	_		
(Station ML : 1.7 1																										
DRGR	1.70	128.2	Lg	19:13:15.373	-1.1					T__				---		15286101	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	
2019/02/07	03:22:50.04	1.01	0.72	48.1999	18.9447	4.9	4.2	105	11.8F		5.8	11	6	114	0.05	0.70	m	ke BUD	15286117	iLoc			180

Magnitude Err Nsta Author OrigID
ML 1.3 0.3 5 ILOC 15286117

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
A336A	0.05	47.3	Pg	03:22:52.880	0.4					T__		136.4		---	MLv	15286119	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
A336A	0.05	47.3	Lg	03:22:53.988	-0.5					T__				---		15286120	FDSN	Z3	00	BUD	iLoc	HHZ	???	_		
(Station ML : 0.6 1																										

VYHS	0.30	346.2	Pg	03:22:56.885	0.3	T__					12.2	---	MLv	15286121	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.30	346.2	Lg	03:23:01.144	-0.3	T__						---		15286122	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 0.2 0)																						
A338A	0.44	245.3	Pg	03:22:59.589	0.5	T__					91.9	---	MLv	15286123	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A338A	0.44	245.3	Lg	03:23:06.510	0.1	T__						---		15286124	FDSN	Z3	00	BUD	iLoc	HH2	???	_
(Station ML : 1.5 1)																						
A335A	0.48	301.5	Pg	03:23:00.325	0.4	T__					45.6	---	MLv	15286125	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A335A	0.48	301.5	Lg	03:23:06.464	-0.9	T__						---		15286126	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 1.3 1)																						
SR0	0.57	227.9	Lg	03:23:09.799	-1.2	T__						---		15286127	FDSN	SK	--	BUD	iLoc	EHN	???	_
PSZ	0.70	113.5	Pn	03:23:05.229	0.5	T__					45.3	---	MLv	15286128	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.70	113.5	Lg	03:23:14.750	-0.5	T__						---		15286129	FDSN	GE	--	BUD	iLoc	BHE	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/02/07 08:10:46.18 1.21 0.72 47.1076 17.9867 10.0 4.9 156 0.0S 5 3 139 0.31 1.02 m sx BUD 15326108 iLoc 253
 (description : suspected quarry blast)
 (locality : Királyszentistván Hungary)

Magnitude Err Nsta Author OrigID

Sta	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	198.1	Pg	08:10:49.323	-1.8							1133.7		---	MLv	15326110	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.31	281.8	Pg	08:10:53.128	0.2							63.3		---	MLv	15326111	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.31	281.8	Lg	08:10:57.836	-0.3									---		15326112	FDSN	HU	--	BUD	iLoc	BHN	???	_
CSKK	0.32	36.0	Pg	08:10:53.400	0.4							0.8		---		15326113	FDSN	IR	--	ISC	iLoc	???	???	_
CSKK	0.32	36.0	Lg	08:10:58.217	-0.7									---		15326114	FDSN	HU	--	BUD	iLoc	HHN	???	_
KOVH	1.02	175.6	Lg	08:11:21.345	-0.4									---		15326115	FDSN	HU	--	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
 2019/02/07 09:52:49.01 1.17 2.32 48.5070 17.3819 4.5 3.9 178 0.0A 12 99 0.15 1.78 a kx KRSZO 15267902 ISC 360
 2019/02/07 09:52:47.61 0.87 1.18 48.5120 17.4502 5.7 3.0 128 0.0S 16 7 90 0.18 1.21 m sx BUD 15286151 iLoc 140
 (description : suspected quarry blast)
 (locality : Bukova Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.7 0.2 6 ILOC 15286151

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A334A	0.18	58.1	Pg	09:52:51.826	0.3							518.5		---	MLv	15286153	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A334A	0.18	58.1	Lg	09:52:56.524	1.7									---		15286154	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
(Station ML : 1.5 1)																								
MODS	0.18	219.7	Pg	09:52:51.795	-0.0									---		15286155	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.18	219.7	Lg	09:52:55.028	-0.3									---		15286156	FDSN	SK	--	BUD	iLoc	HHE	???	_
JAVC	0.38	22.7	Pg	09:52:56.494	0.8							172.8		---	MLv	15286157	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_
JAVC	0.38	22.7	Lg	09:53:01.688	-0.3									---		15286158	FDSN	CZ	--	BUD	iLoc	BHE	???	_
JAVC	0.38	22.7	Pg	09:52:54.000	-1.7									---		15286159	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	0.38	22.7	Lg	09:53:00.600	-1.4									---		15286160	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.6 1)																								

A338A	0.78	129.2	Pn	09:53:05.457	0.4	T__	173.6	---	MLv	15286161	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A338A	0.78	129.2	Lg	09:53:15.073	-1.0	T__		---		15286162	FDSN	Z3	00	BUD	iLoc	HH3	???	_	
(Station ML : 2.2 0																			
KRUC	0.89	308.7	Pg	09:53:05.600	0.9	T__		---		15286163	FDSN	IR	--	ISC	iLoc	???	???	_	
KRUC	0.89	308.7	Pn	09:53:06.225	-0.5	T__	60.3	---	MLv	15286164	FDSN	CZ	--	BUD	iLoc	BHE	BHZ	_	
KRUC	0.89	308.7	Sn	09:53:19.547	-1.8	T__		---		15286165	FDSN	CZ	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.8 1																			
VVHS	0.92	90.6	Pn	09:53:09.006	1.8	T__	10.4	---	MLv	15286166	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_	
(Station ML : 1.0 0																			
CONA	1.21	241.8	Pg	09:53:11.781	0.3	T__	72.7	---	MLv	15286167	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_	
CONA	1.21	241.8	Sn	09:53:29.550	0.3	T__		---		15286168	FDSN	OE	--	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
2019/02/07	09:55:47.33	0.78	1.76	47.9854	19.0957	3.9	3.4	115	0.0S	15	9	95	0.15	1.47	m	kx	BUD	15286194	iLoc			124
2019/02/07	09:55:48.13	1.50	1.37	48.0215	19.1002	8.8	4.8	10	0.0A	6		120	0.50	1.46	a	ke	KRSZO	15267910	ISC			360
2019/02/07	09:55:49.14f	0.95	1.76	47.8355	19.1270f				0.0S	14		110	0.07	1.49	a	kx	BUD_GT	15327417	BUD			150

(GT info : GT2 explosion)

(description : known quarry blast)

(locality : Sejce-Vác Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	1.2	1.6	3 BUD	15286194
ML	1.6	0.1	3 ILOC	15327417

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
A270A	0.07	277.6	Pg	09:55:51.602	0.5					T__	3662.5			---	MLv	15329078	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A270A	0.07	277.6	Lg	09:55:53.592	0.6					T__				---		15329079	FDSN	Z3	00	BUD	BUD	HHE	???	_
(Station ML : 2.1 1																								
BUD	0.36	191.2	Lg	09:56:02.900	-0.3					T__				---		15329083	FDSN	IR	--	ISC	BUD	???	???	_
BUD	0.36	191.2	Lg	09:56:03.291	0.1					T__				---		15329084	FDSN	HU	--	BUD	BUD	HHE	???	_
A336A	0.41	347.9	Pg	09:55:58.269	0.7					T__	153.1			---	MLv	15329080	FDSN	Z3	00	BUD	BUD	HH2	HHZ	_
A336A	0.41	347.9	Lg	09:56:03.931	-0.3					T__				---		15329081	FDSN	Z3	00	BUD	BUD	HH3	???	_
(Station ML : 1.6 1																								
PSZ	0.52	80.6	Pg	09:55:59.863	-0.7					T__	63.6			---	MLv	15329088	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.52	80.6	Lg	09:56:08.233	-0.7					T__				---		15329089	FDSN	GE	--	BUD	BUD	BHN	???	_
PSZ	0.52	80.6	Lg	09:56:08.600	-0.3					T__	0.1			---		15329090	FDSN	IR	--	ISC	BUD	???	???	_
(Station ML : 1.6 1																								
A338A	0.55	289.3	Lg	09:56:10.001	0.2					T__				---		15329082	FDSN	Z3	00	BUD	BUD	HH3	???	_
VVHS	0.69	343.6	Lg	09:56:04.200	-9.2					---				---		15329085	FDSN	IR	--	ISC	BUD	???	???	_
VVHS	0.69	343.6	Sg	09:56:05.300	-8.1					---				---		15329086	FDSN	IR	--	ISC	BUD	???	???	_
VVHS	0.69	343.6	Sb	09:56:05.359	-8.0					---				---		15329087	FDSN	IR	--	ISC	BUD	???	???	_
CSKK	0.75	231.4	Sn	09:56:18.143	-1.3					T__				---		15329092	FDSN	HU	--	BUD	BUD	HHE	???	_
A335A	0.81	319.4	Lg	09:56:15.362	-2.8					T__				---		15329091	FDSN	Z3	00	BUD	BUD	HHZ	???	_
MODS	1.35	294.1	Sn	09:56:33.735	-0.9					T__				---		15329093	FDSN	SK	--	BUD	BUD	HHE	???	_
ABAH	1.49	71.2	Sn	09:56:37.488	0.4					T__				---		15329094	FDSN	HU	--	BUD	BUD	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/07	09:57:14.52	1.19	0.68	48.5936	20.7867	8.7	4.0	12	0.0S	14	8	149	0.23	1.30	m	sx	BUD	15286227	iLoc			186

(description : suspected quarry blast)
(locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
ML 1.7 0.2 5 ILOC 15286227

Sta	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	241.2	Pg	09:57:19.346	0.1					T__		2485.3		---	MLv	15286229	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.23	241.2	Lg	09:57:22.400	-0.6					T__				---		15286230	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.23	241.2	Lg	09:57:23.500	0.5					T__		2.5		---		15286231	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.3 0)																								
ABAH	0.42	134.5	Pg	09:57:23.551	0.3					T__		111.1		---	MLv	15286232	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.42	134.5	Lg	09:57:29.561	-1.0					T__				---		15286233	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.5 1)																								
PSZ	0.90	221.8	Pg	09:57:33.978	0.5					T__		69.9		---	MLv	15286234	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.90	221.8	Lg	09:57:46.938	-0.1					T__				---		15286235	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.8 1)																								
LANS	1.03	303.1	Pn	09:57:35.114	-0.4					T__		45.4		---	MLv	15286236	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
LANS	1.03	303.1	Lg	09:57:49.527	0.0					T__				---		15286237	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.7 1)																								
HOLU	1.06	93.0	Pn	09:57:35.977	0.4					T__				---		15286238	FDSN	UA	--	BUD	iLoc	MHZ	???	_
A336A	1.24	253.8	Sn	09:57:56.546	-0.2					T__				---		15286239	FDSN	Z3	00	BUD	iLoc	HH2	???	_
TRPA	1.26	111.0	Sn	09:57:55.628	-1.7					T__				---		15286240	FDSN	HU	--	BUD	iLoc	BHN	???	_
VYHS	1.30	266.3	Pg	09:57:40.438	-0.2					T__		11.3		---	MLv	15286241	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.30	266.3	Sn	09:57:58.316	-0.2					T__				---		15286242	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
2019/02/07	11:41:35.12	1.47	1.12	46.1213	18.0510	10.3	6.7	103	0.0S	6	4	149	0.05	1.11	m	kx	BUD	15286265	iLoc			245
2019/02/07	11:41:34.71f		0.87	46.1254	18.0152f				0.0S	6		153	0.07	1.10	a	kx	BUD_GT	15327423	BUD			248

(GT info : GT2 explosion)

(description : known quarry blast)
(locality : Bükkösd-II Hungary)

Magnitude Err Nsta Author OrigID

Sta	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	122.2	Pg	11:41:36.731	-0.1					T__		825.8		---	MLv	15329095	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.07	122.2	Lg	11:41:37.596	-1.1					T__				---		15329096	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	0.45	78.1	Pg	11:41:44.624	0.6					T__		17.9		---	MLv	15329097	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.45	78.1	Lg	11:41:50.476	-0.8					T__				---		15329098	FDSN	HU	--	BUD	BUD	BHN	???	_
A252A	0.70	189.7	Lg	11:41:59.407	1.5					T__				---		15329099	FDSN	Z3	--	BUD	BUD	HHN	???	_
MPLH	1.10	342.8	Sn	11:42:12.426	0.0					T__				---		15329100	FDSN	HU	--	BUD	BUD	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/02/07	14:34:23.26	1.07	0.80	46.4224	21.2359	9.0	3.6	7	5.0F	8.9	24	9	100	0.33	1.75	m	ke	BUD	15286281	iLoc			170

Magnitude Err Nsta Author OrigID
ML 1.8 0.1 5 ILOC 15286281

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
SIRR	0.33	117.7	Pg	14:34:30.190	-0.0					T__						15286283	FDSN	IR	--	ISC	iLoc	???	???	_		
SIRR	0.33	117.7	Lg	14:34:35.635	0.1					T__						15286284	FDSN	IR	--	ISC	iLoc	???	???	_		
SIRR	0.33	117.8	Pg	14:34:30.325	0.0					T__		63.9			MLv	15286285	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
SIRR	0.33	117.8	Lg	14:34:34.870	-0.8					T__						15286286	FDSN	RO	--	BUD	iLoc	BHE	???	_		
(Station ML : 1.0 0)																										
AMBH	0.36	258.6	Pg	14:34:30.982	0.0					T__		247.0			MLv	15286287	FDSN	HU	00	BUD	iLoc	HHZ	HHZ	_		
AMBH	0.36	258.6	Lg	14:34:36.608	-0.1					T__						15286288	FDSN	HU	00	BUD	iLoc	HHE	???	_		
AMBH	0.36	258.6	Lg	14:34:36.400	-0.3					T__		0.2				15286289	FDSN	IR	--	ISC	iLoc	???	???	_		
(Station ML : 1.7 1)																										
BZS	0.85	161.6	Pg	14:34:40.323	0.6					T__						15286290	FDSN	IR	--	ISC	iLoc	???	???	_		
BZS	0.85	161.6	Lg	14:34:51.479	-0.2					T__						15286291	FDSN	IR	--	ISC	iLoc	???	???	_		
BZS	0.85	160.5	Pg	14:34:39.667	-0.1					T__		60.6			MLv	15286292	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
BZS	0.85	160.5	Lg	14:34:50.146	-1.6					T__						15286293	FDSN	RO	--	BUD	iLoc	BHE	???	_		
(Station ML : 1.8 1)																										
SURR	0.91	136.9	Pn	14:34:41.943	0.5					T__						15286294	FDSN	IR	--	ISC	iLoc	???	???	_		
SURR	0.91	136.9	Lg	14:34:54.290	1.0					T__						15286295	FDSN	IR	--	ISC	iLoc	???	???	_		
DRGR	1.08	69.5	Lg	14:34:58.959	-0.6					T__						15286296	FDSN	IR	--	ISC	iLoc	???	???	_		
DRGR	1.08	69.5	Pn	14:34:43.992	0.1					T__		49.7			MLv	15286297	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
DRGR	1.08	69.5	Lg	14:34:58.650	-1.0					T__						15286298	FDSN	RO	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.8 1)																										
MARR	1.32	78.3	Pn	14:34:48.385	0.9					T__						15286299	FDSN	IR	--	ISC	iLoc	???	???	_		
MARR	1.32	78.3	Sn	14:35:05.060	-1.1					T__						15286300	FDSN	IR	--	ISC	iLoc	???	???	_		
GZR	1.49	133.2	Pn	14:34:50.633	0.8					T__						15286301	FDSN	IR	--	ISC	iLoc	???	???	_		
GZR	1.49	133.2	Pg	14:34:52.104	0.6					T__		52.4			MLv	15286302	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
GZR	1.49	133.2	Sn	14:35:09.533	-0.3					T__						15286303	FDSN	IR	--	ISC	iLoc	???	???	_		
GZR	1.49	133.2	Sn	14:35:11.143	1.3					T__						15286304	FDSN	RO	--	BUD	iLoc	BHE	???	_		
(Station ML : 2.0 0)																										
FRGS	1.62	217.8	Sn	14:35:14.367	1.3					T__						15286305	FDSN	SJ	--	BUD	iLoc	BHE	???	_		
PSZ	1.75	329.0	Sn	14:35:15.679	-0.2					T__						15286306	FDSN	IR	--	ISC	iLoc	???	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/08	01:13:35.70	0.30	0.37	46.9292	21.6942	2.4	1.4	113	2.0F	2.5	15	199		0.17	2.11	a	ke BUC	15267953	ISC			360
2019/02/08	01:13:35.27	0.88	1.51	46.9490	21.7007	6.2	3.4	105	5.5F	0.8	39	15	80	0.15	4.94	m	ke BUD	15286378	iLoc			118

Magnitude	Err	Nsta	Author	OrigID
m1	1.5		BUC	15267953
ML	1.5	0.1	4 ILOC	15286378

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
BORR	0.15	22.3	Pg	01:13:38.621	-0.1					T__						15286380	FDSN	IR	--	ISC	iLoc	???	???	_		
BORR	0.15	22.3	Pg	01:13:38.621	-0.1					T__		0.8				15286381	FDSN	IR	--	ISC	iLoc	???	???	_		
BORR	0.15	22.3	Lg	01:13:41.983	0.3					T__		0.8				15286382	FDSN	IR	--	ISC	iLoc	???	???	_		
BORR	0.15	22.3	Lg	01:13:41.983	0.3					T__						15286383	FDSN	IR	--	ISC	iLoc	???	???	_		
SIRR	0.68	182.4	Pg	01:13:49.033	-0.0					T__						15286384	FDSN	IR	--	ISC	iLoc	???	???	_		
SIRR	0.68	182.4	Pg	01:13:49.033	-0.0					T__						15286385	FDSN	IR	--	ISC	iLoc	???	???	_		
SIRR	0.68	182.4	Lg	01:13:58.128	-0.9					T__						15286386	FDSN	IR	--	ISC	iLoc	???	???	_		
SIRR	0.68	182.2	Pg	01:13:49.176	0.0					T__		33.3			MLv	15286387	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
SIRR	0.68	182.2	Lg	01:13:58.626	-0.5					T__						15286388	FDSN	RO	--	BUD	iLoc	BHE	???	_		
(Station ML : 1.4 1)																										

DRGR	0.71	102.4	Pg	01:13:48.732	-0.8	T__	36.9	---	MLv	15286389	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.71	102.4	Lg	01:13:59.250	-1.0	T__		---		15286390	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.71	102.4	Pg	01:13:49.368	-0.1	T__		---		15286391	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.71	102.4	Pg	01:13:49.368	-0.1	T__		---		15286392	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.5 1																		
MESR	0.88	76.3	Pg	01:13:52.133	-0.3	T__		---		15286393	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.88	76.3	Pg	01:13:52.133	-0.3	T__		---		15286394	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.88	76.3	Lg	01:14:05.438	0.3	T__		---		15286395	FDSN	IR	--	ISC	iLoc	???	???	_
AMBH	0.90	228.6	Lg	01:14:05.858	-0.2	T__		---		15286396	FDSN	HU	00	BUD	iLoc	BHN	???	_
MARR	1.01	105.1	Pg	01:13:54.913	-0.3	T__		---		15286397	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.01	105.1	Pg	01:13:54.913	-0.3	T__		---		15286398	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.01	105.1	Lg	01:14:09.267	-0.4	T__		---		15286399	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.23	166.0	Pg	01:13:59.177	0.2	T__		---		15286400	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.23	166.0	Pg	01:13:59.177	0.2	T__		---		15286401	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.23	166.0	Lg	01:14:15.630	0.5	T__		---		15286402	FDSN	IR	--	ISC	iLoc	???	???	_
TRPA	1.31	25.4	Pn	01:13:59.036	0.2	T__	20.6	---	MLv	15286403	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
TRPA	1.31	25.4	Sn	01:14:16.136	-1.3	T__		---		15286404	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.5 1																		
CJR	1.32	99.6	Pn	01:13:59.851	0.5	T__	69.4	---	MLv	15286405	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
CJR	1.32	99.6	Lg	01:14:21.300	2.2	T__	0.1	---		15286406	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.1 1																		
BZS	1.33	181.8	Sn	01:14:17.880	0.3	T__		---		15286407	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	1.33	182.5	Pn	01:14:00.183	0.9	T__		---		15286408	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.33	182.5	Pn	01:14:00.183	0.9	T__		---		15286409	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.33	182.5	Pg	01:14:03.000	1.7	T__	0.0	---		15286410	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	1.38	347.1	Sn	01:14:17.175	-1.5	T__		---		15286411	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	1.56	309.0	Sn	01:14:23.163	-0.1	T__		---		15286412	FDSN	GE	--	BUD	iLoc	BHN	???	_
GZR	1.73	153.9	Sn	01:14:29.903	2.3	T__		---		15286413	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.73	153.9	Sn	01:14:29.903	2.3	T__		---		15286414	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.73	153.9	Sn	01:14:30.132	2.5	T__		---		15286415	FDSN	RO	--	BUD	iLoc	BHE	???	_
HERR	2.13	166.2	Sn	01:14:40.109	3.3	T__		---		15286416	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	2.13	166.2	Sn	01:14:40.109	3.3	T__		---		15286417	FDSN	IR	--	ISC	iLoc	???	???	_
MAKA	4.94	223.8	Lg	01:16:07.300	-4.9	T__		---		15286418	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/08	08:30:51.46	1.07	0.94	47.1314	18.1039	6.0	5.1	19	0.0S	9	6	100	0.26	1.36	m	kx	BUD	15286452	iLoc			149
2019/02/08	08:30:51.72f		0.96	47.1240	18.0700f				0.0S	9	93	0.26	1.36	a	kx	BUD_GT	15327427	BUD				144
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Vilonya Hungary)																						

Magnitude	Err	Nsta	Author	OrigID	Sta	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	0.26	209.2	Lg	08:31:01.278	-0.6					T__						15329102	FDSN	HU	--	BUD	BUD	HHN	???	_
					CSKK	0.27	28.4	Lg	08:31:01.347	-1.6					T__						15329101	FDSN	HU	--	BUD	BUD	HHN	???	_
					A267A	0.33	122.1	Lg	08:31:03.968	-0.8					T__						15329103	FDSN	Z3	00	BUD	BUD	HHN	???	_
					MPLH	0.37	277.5	Pg	08:31:00.261	0.8					T__	87.3			MLv	15329104	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_	
					MPLH	0.37	277.5	Lg	08:31:05.200	-0.4					T__	0.1				15329105	FDSN	IR	--	ISC	BUD	???	???	_	
					MPLH	0.37	277.5	Lg	08:31:05.741	0.3					T__					15329106	FDSN	HU	--	BUD	BUD	BHN	???	_	
					MORH	0.99	156.3	Pg	08:31:11.249	-0.2					T__	14.2			MLv	15329107	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_	

MORH	0.99	156.3	Lg	08:31:25.167	-0.8	T__	---	15329108	FDSN	HU	--	BUD	BUD	BHN	???	_
MODS	1.36	337.1	Sn	08:31:35.277	-1.8	T__	---	15329109	FDSN	SK	--	BUD	BUD	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/08	09:01:12.10	1.85	1.03	48.6013	20.8313	16.6	6.4	7	0.0S	8	4	232	0.26	1.33	m	sx	BUD	15286472	iLoc			316
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.2	4 ILOC	15286472

Sta	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	0.26	242.9	Pg	09:01:17.659	0.2					T__		371.7		---	MLv	15286474	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.26	242.9	Lg	09:01:21.747	0.2					T__				---		15286475	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 1.6 1																								
ABAH	0.41	138.2	Pn	09:01:24.004	-1.2					T__		65.9		---	MLv	15286476	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.41	138.2	Lg	09:01:29.044	1.4					T__				---		15286477	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.3 1																								
PSZ	0.93	222.8	Pg	09:01:32.065	0.5					T__		55.1		---	MLv	15286478	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.93	222.8	Lg	09:01:44.858	-0.6					T__				---		15286479	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.8 1																								
VYHS	1.33	266.1	Pg	09:01:39.820	1.0					T__		11.8		---	MLv	15286480	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.33	266.1	Sn	09:01:57.048	0.2					T__				---		15286481	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	
2019/02/08	09:10:12.93	0.36	0.35	46.8524	22.3124	2.7	1.2	150	2.6F	1.9	18	209	0.28	2.11	a	ke	BUC	15268021	ISC			360	
2019/02/08	09:10:11.62	0.38	0.43	47.0074	22.2677				0.0F	0.0	11	159	0.37	1.65	a	kx	KRSZO	15268017	ISC			360	
2019/02/08	09:10:10.10	1.24	0.90	46.9691	22.2644	8.8	4.9	160	0.0S		34	12	121	0.35	2.11	m	sx	BUD	15286532	iLoc			158
(description : suspected quarry blast)																							
(locality : Tetchea Romania)																							

Magnitude	Err	Nsta	Author	OrigID
ml	1.4		BUC	15268021
M	1.7		KRSZO	15268017
MLv	1.7		KRSZO	15268017
ML	1.8	0.4	7 ILOC	15286532

Sta	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	0.35	119.9	Pg	09:10:18.201	0.8					T__		169.1		---	MLv	15286534	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.35	119.9	Lg	09:10:23.429	0.1					T__				---		15286535	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.35	119.9	Lg	09:10:22.430	-0.9					T__		0.1		---		15286536	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.35	119.9	Lg	09:10:22.430	-0.9					T__				---		15286537	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.5 1																								
MARR	0.66	116.2	Pg	09:10:23.865	0.6					T__				---		15286538	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.66	116.2	Pg	09:10:23.865	0.6					T__				---		15286539	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.66	116.2	Lg	09:10:32.466	-1.2					T__				---		15286540	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.82	210.9	Pg	09:10:26.787	0.2					T__				---		15286541	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.82	210.9	Lg	09:10:37.928	-1.1					T__				---		15286542	FDSN	IR	--	ISC	iLoc	???	???	_

SIRR	0.82	210.7	Pn	09:10:27.791	0.0	T__	29.1	---	MLv	15286543	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.82	210.7	Lg	09:10:38.697	-0.4	T__		---		15286544	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.4 0)																		
CJR	0.95	105.1	Pn	09:10:29.695	-0.2	T__	156.8	---	MLv	15286545	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
CJR	0.95	105.1	Pn	09:10:30.127	0.3	T__		---		15286546	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.95	105.1	Pn	09:10:30.127	0.3	T__	0.1	---		15286547	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.95	105.1	Lg	09:10:42.993	-0.2	T__	0.1	---		15286548	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.95	105.1	Lg	09:10:42.993	-0.2	T__		---		15286549	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.2 0)																		
DEV	1.17	157.6	Pn	09:10:33.473	0.6	T__		---		15286550	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	1.17	157.6	Lg	09:10:46.945	-2.0	T__		---		15286551	FDSN	IR	--	ISC	iLoc	???	???	_
TRPA	1.18	9.0	Pn	09:10:32.984	0.3	T__	20.4	---	MLv	15286552	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
TRPA	1.18	9.0	Lg	09:10:48.668	-2.1	T__		---		15286553	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.5 1)																		
SURR	1.22	184.6	Lg	09:10:49.191	-1.5	T__		---		15286554	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.42	198.0	Pg	09:10:38.005	0.5	T__	31.0	---	MLv	15286555	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	1.42	198.0	Lg	09:10:58.085	1.1	T__		---		15286556	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	1.43	198.6	Pg	09:10:37.853	0.2	T__		---		15286557	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.43	198.6	Lg	09:10:57.198	-0.0	T__		---		15286558	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.8 1)																		
ABAH	1.50	332.8	Pn	09:10:37.773	0.7	T__	54.0	---	MLv	15286559	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	1.50	332.8	Sn	09:10:59.108	1.0	T__		---		15286560	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 2.1 1)																		
GZR	1.62	167.1	Pg	09:10:40.758	0.1	T__		---		15286561	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.62	167.1	Pg	09:10:41.017	0.3	T__	34.7	---	MLv	15286562	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.62	167.1	Sn	09:11:01.582	0.0	T__		---		15286563	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.62	167.1	Lg	09:11:04.110	0.7	T__		---		15286564	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.9 1)																		
LOT	1.85	145.0	Pg	09:10:44.300	-0.9	T__		---		15286565	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.85	145.0	Sn	09:11:08.287	0.6	T__		---		15286566	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.11	71.1	Pg	09:10:49.201	-1.8	T__		---		15286567	FDSN	IR	--	ISC	iLoc	???	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/02/08 09:16:09.91 1.07 1.28 47.3459 18.4274 5.8 4.2 128 0.0S 13 10 112 0.11 1.18 m sx BUD 15286600 iLoc 194
 (description : suspected quarry blast)
 (locality : Gánt Hungary)

Magnitude Err Nsta Author OrigID
 ML 1.8 0.5 3 ILOC 15286600

Sta	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	278.8	Pg	09:16:11.918	-0.9					T__		3344.9		---	MLv	15286602	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
CSKK	0.11	278.8	Lg	09:16:14.117	-1.5					T__				---		15286603	FDSN	HU	--	BUD	iLoc	HHE	???	_	
(Station ML : 2.1 1)																									
A269A	0.29	354.1	Lg	09:16:21.923	0.2					T__				---		15286604	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
A268A	0.35	284.2	Lg	09:16:23.777	0.1					T__				---		15286605	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
MPLH	0.63	254.1	Pg	09:16:23.528	0.8					T__		88.2		---	MLv	15286606	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
MPLH	0.63	254.1	Lg	09:16:33.557	1.3					T__				---		15286607	FDSN	HU	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.8 1)																									
A270A	0.64	38.5	Lg	09:16:35.004	1.2					T__				---		15286608	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
EGYH	0.75	275.8	Lg	09:16:38.093	1.8					T__				---		15286609	FDSN	HU	--	BUD	iLoc	HHE	???	_	

A336A	0.97	23.3	Lg	09:16:43.796	-0.8				T__					15286610	FDSN	Z3	00	BUD	iLoc	HH3	???	_
MORH	1.14	172.4	Lg	09:16:48.048	-1.0				T__					15286611	FDSN	HU	--	BUD	iLoc	BHN	???	_
PSZ	1.15	59.5	Sn	09:16:50.477	0.3				T__					15286612	FDSN	GE	--	BUD	iLoc	BHE	???	_
VYHS	1.18	13.3	Pn	09:16:34.405	1.6				T__	16.7		MLv		15286613	FDSN	SK	--	BUD	iLoc	HHN	HHZ	_
VYHS	1.18	13.3	Sn	09:16:49.705	-1.3				T__					15286614	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
2019/02/08	11:57:36.37	1.03	0.79	48.6392	19.4221	6.5	4.0	168	5.0A		8	5	118	0.42	1.60	m	ke BUD	15286628	iLoc			212

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.4	3 ILOC	15286628

Sta	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	0.42	249.7	Pg	11:57:45.032	0.1					T__		13.9			MLv	15286630	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_	
VYHS	0.42	249.7	Lg	11:57:50.329	-0.8					T__						15286631	FDSN	SK	--	BUD	iLoc	HHN	???	_	
(Station ML : 0.6 1																									
A336A	0.49	214.9	Pg	11:57:47.322	0.9					T__		77.9			MLv	15286632	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A336A	0.49	214.9	Lg	11:57:53.740	-0.3					T__						15286633	FDSN	Z3	00	BUD	iLoc	HH2	???	_	
(Station ML : 1.6 1																									
KECS	0.72	102.1	Pg	11:57:51.091	0.3					T__		85.5			MLv	15286634	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_	
KECS	0.72	102.1	Lg	11:58:00.819	-0.6					T__						15286635	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Station ML : 1.8 1																									
PSZ	0.79	156.2	Lg	11:58:03.658	-1.0					T__						15286636	FDSN	GE	--	BUD	iLoc	BHN	???	_	
OJC	1.60	8.7	Lg	11:58:27.478	0.1					T__						15286637	FDSN	PL	--	BUD	iLoc	BHE	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/09	02:02:50.02	0.90	0.93	47.3168	17.6966	4.0	3.1	129	0.0A		12	6	79	0.18	0.51	m	ke BUD	15286799	iLoc			140

Magnitude	Err	Nsta	Author	OrigID
ML	1.1	0.4	4 ILOC	15286799

Sta	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	0.18	216.2	Pg	02:02:54.000	-0.3					T__		0.1				15286801	FDSN	IR	--	ISC	iLoc	???	???	_	
MPLH	0.18	216.2	Pg	02:02:54.400	0.2					T__		123.1			MLv	15286802	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
MPLH	0.18	216.2	Lg	02:02:56.700	-1.1					T__		0.1				15286803	FDSN	IR	--	ISC	iLoc	???	???	_	
MPLH	0.18	216.2	Lg	02:02:56.955	-0.7					T__						15286804	FDSN	HU	--	BUD	iLoc	BHZ	???	_	
(Station ML : 0.9 1																									
A268A	0.19	53.4	Pg	02:02:54.529	0.1					T__		78.7			MLv	15286805	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A268A	0.19	53.4	Lg	02:02:58.436	0.1					T__						15286806	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
(Station ML : 0.7 1																									
EGYH	0.27	292.0	Pg	02:02:56.020	0.1					T__		158.9			MLv	15286807	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
EGYH	0.27	292.0	Lg	02:03:02.182	1.6					T__						15286808	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.2 1																									
CSKK	0.39	82.9	Lg	02:03:04.104	-1.0					T__						15286809	FDSN	HU	--	BUD	iLoc	HHN	???	_	
TIH	0.44	162.5	Pg	02:03:00.261	1.1					T__		223.6			MLv	15286810	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
TIH	0.44	162.5	Lg	02:03:05.679	-0.3					T__						15286811	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.9 1																									
A339A	0.51	356.9	Lg	02:03:08.278	-1.0					T__						15286812	FDSN	Z3	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
2019/02/09	23:42:31.25	1.17	0.64	46.8829	21.5421	7.9	4.9	116	5.3F	10.6	26	12	86	0.27	1.72	m	ke BUD	15286857	iLoc			136

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.1	5 ILOC	15286857

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
BORR	0.27	38.7	Pg	23:42:36.969	0.0					T__						15286859	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	0.27	38.7	Lg	23:42:42.502	1.0					T__						15286860	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.62	172.5	Pg	23:42:44.131	0.3					T__						15286861	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.62	172.3	Pg	23:42:43.824	-0.1					T__		25.4			MLv	15286862	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.62	172.3	Lg	23:42:52.979	-0.3					T__						15286863	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.3 0																								
AMBH	0.78	226.9	Pn	23:42:46.561	-0.6					T__		117.0			MLv	15286864	FDSN	HU	00	BUD	iLoc	BHN	BHZ	_
AMBH	0.78	226.9	Lg	23:42:57.415	-0.7					T__						15286865	FDSN	HU	00	BUD	iLoc	BHE	???	_
(Station ML : 2.0 1																								
DRGR	0.81	96.1	Pg	23:42:47.236	-0.1					T__		63.1			MLv	15286866	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.81	96.1	Lg	23:42:59.192	-0.0					T__						15286867	FDSN	RO	--	BUD	iLoc	BHE	???	_
DRGR	0.81	96.1	Pg	23:42:47.348	0.0					T__						15286868	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.81	96.1	Lg	23:42:58.926	-0.3					T__						15286869	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.7 1																								
MESR	1.00	74.0	Pn	23:42:50.581	0.0					T__						15286870	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	1.00	74.0	Lg	23:43:04.632	-0.3					T__						15286871	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.10	100.2	Pn	23:42:52.686	0.4					T__						15286872	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.10	100.2	Sn	23:43:07.980	-0.8					T__						15286873	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.27	176.9	Pn	23:42:55.159	0.9					T__		39.5			MLv	15286874	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	1.27	176.9	Lg	23:43:12.169	-0.4					T__						15286875	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	1.27	177.6	Pn	23:42:54.995	0.7					T__						15286876	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.8 1																								
TRPA	1.42	28.1	Sn	23:43:16.479	0.6					T__						15286877	FDSN	HU	--	BUD	iLoc	BHE	???	_
CJR	1.42	96.1	Pg	23:42:58.517	-0.4					T__						15286878	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	1.42	96.1	Lg	23:43:17.821	-0.4					T__						15286879	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	1.43	351.9	Pn	23:42:56.989	0.7					T__		95.2			MLv	15286880	FDSN	HU	--	BUD	iLoc	HHE	HHZ	_
ABAH	1.43	351.9	Sn	23:43:16.061	0.4					T__						15286881	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 2.3 0																								
PSZ	1.53	313.4	Sn	23:43:17.325	-1.0					T__						15286882	FDSN	GE	--	BUD	iLoc	BHN	???	_
GZR	1.72	149.6	Sn	23:43:24.318	0.9					T__						15286883	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.72	149.6	Sn	23:43:24.568	1.2					T__						15286884	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
2019/02/09	23:45:12.20			48.2400	22.9600				5.0A							a	ke SIGU	15268101	ISC			360
2019/02/09	23:45:11.96	0.75	1.36	48.2039	22.9408	3.8	2.8	32	9.4F	4.7	56	25	51	0.11	2.81	m	ke BUD	15286933	iLoc			67

Magnitude	Err	Nsta	Author	OrigID
mb	1.5		SIGU	15268101
ML	2.2	0.0	6 ILOC	15286933

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TRSU	0.11	174.3	Pg	23:45:14.173	-0.6					T__						15286935	FDSN	UA	--	BUD	iLoc	MHZ	???	_
TRSU	0.11	174.3	Pg	23:45:15.500	0.7					T__						15286936	FDSN	IR	--	ISC	iLoc	???	???	_
TRSU	0.11	174.3	x	23:45:15.600	-99.0					---		300.0				15286937	FDSN	IR	--	ISC	iLoc	???	???	_
TRSU	0.11	174.3	Lg	23:45:18.400	1.2					T__						15286938	FDSN	IR	--	ISC	iLoc	???	???	_
TRSU	0.11	174.3	x	23:45:18.600	-99.0					---		800.0				15286939	FDSN	IR	--	ISC	iLoc	???	???	_
TRSU	0.11	174.3	x	23:45:18.700	-99.0					---		600.0				15286940	FDSN	IR	--	ISC	iLoc	???	???	_
KORU	0.14	109.8	Pg	23:45:14.812	-0.4					T__						15286941	FDSN	UA	--	BUD	iLoc	MHZ	???	_
KORU	0.14	109.8	Pg	23:45:15.500	0.3					T__						15286942	FDSN	IR	--	ISC	iLoc	???	???	_
KORU	0.14	109.8	x	23:45:15.600	-99.0					---		400.0				15286943	FDSN	IR	--	ISC	iLoc	???	???	_
KORU	0.14	109.8	Lg	23:45:18.300	0.4					T__						15286944	FDSN	IR	--	ISC	iLoc	???	???	_
KORU	0.14	109.8	x	23:45:18.500	-99.0					---		400.0				15286945	FDSN	IR	--	ISC	iLoc	???	???	_
KORU	0.14	109.8	x	23:45:18.700	-99.0					---		400.0				15286946	FDSN	IR	--	ISC	iLoc	???	???	_
BRIU	0.14	21.6	Pg	23:45:14.780	-0.5					T__						15286947	FDSN	UA	--	BUD	iLoc	MHZ	???	_
BRIU	0.14	21.6	x	23:45:15.000	-99.0					---		200.0				15286948	FDSN	IR	--	ISC	iLoc	???	???	_
BRIU	0.14	21.6	Lg	23:45:16.600	-1.5					T__						15286949	FDSN	IR	--	ISC	iLoc	???	???	_
BRIU	0.14	21.6	x	23:45:18.000	-99.0					---		10.0				15286950	FDSN	IR	--	ISC	iLoc	???	???	_
BRIU	0.14	21.6	x	23:45:18.200	-99.0					---		300.0				15286951	FDSN	IR	--	ISC	iLoc	???	???	_
BERU	0.20	278.7	Pg	23:45:16.500	0.2					T__						15286952	FDSN	IR	--	ISC	iLoc	???	???	_
BERU	0.20	278.7	x	23:45:18.500	-99.0					---		50.0				15286953	FDSN	IR	--	ISC	iLoc	???	???	_
BERU	0.20	278.7	Lg	23:45:19.300	-0.7					T__						15286954	FDSN	IR	--	ISC	iLoc	???	???	_
BERU	0.20	278.7	x	23:45:19.900	-99.0					---		80.0				15286955	FDSN	IR	--	ISC	iLoc	???	???	_
BERU	0.20	278.7	x	23:45:20.100	-99.0					---		100.0				15286956	FDSN	IR	--	ISC	iLoc	???	???	_
TRPA	0.28	254.8	Pg	23:45:17.761	0.0					T__		127.6			MLv	15286957	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
TRPA	0.28	254.8	Lg	23:45:22.053	-0.7					T__						15286958	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.2 0																								
MUKU	0.30	326.0	Pg	23:45:18.049	-0.0					T__						15286959	FDSN	UA	--	BUD	iLoc	MHZ	???	_
MUKU	0.30	326.0	Pg	23:45:18.300	0.2					T__						15286960	FDSN	IR	--	ISC	iLoc	???	???	_
MUKU	0.30	326.0	x	23:45:20.000	-99.0					---		70.0				15286961	FDSN	IR	--	ISC	iLoc	???	???	_
MUKU	0.30	326.0	x	23:45:20.100	-99.0					---		100.0				15286962	FDSN	IR	--	ISC	iLoc	???	???	_
MUKU	0.30	326.0	Lg	23:45:22.900	-0.3					T__						15286963	FDSN	IR	--	ISC	iLoc	???	???	_
MUKU	0.30	326.0	x	23:45:23.300	-99.0					---		200.0				15286964	FDSN	IR	--	ISC	iLoc	???	???	_
HOLU	0.49	311.3	Pg	23:45:21.400	-0.1					T__						15286965	FDSN	IR	--	ISC	iLoc	???	???	_
HOLU	0.49	311.3	Pg	23:45:21.525	-0.0					T__						15286966	FDSN	UA	--	BUD	iLoc	MHZ	???	_
MEZ	0.49	50.7	Lg	23:45:27.600	-1.7					T__						15286967	FDSN	IR	--	ISC	iLoc	???	???	_
BMR	0.65	144.7	Pg	23:45:24.686	-0.0					T__		216.6			MLv	15286968	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BMR	0.65	144.7	Lg	23:45:33.612	-1.0					T__						15286969	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 2.2 1																								
STZU	0.84	345.6	Pg	23:45:28.900	1.0					T__						15286970	FDSN	IR	--	ISC	iLoc	???	???	_
STZU	0.84	345.6	Pn	23:45:30.485	1.2					T__						15286971	FDSN	UA	--	BUD	iLoc	MHZ	???	_
STZU	0.84	345.6	x	23:45:32.900	-99.0					---		20.0				15286972	FDSN	IR	--	ISC	iLoc	???	???	_
STZU	0.84	345.6	Lg	23:45:40.000	-0.3					T__						15286973	FDSN	IR	--	ISC	iLoc	???	???	_
STZU	0.84	345.6	Lg	23:45:40.365	0.1					T__						15286974	FDSN	UA	--	BUD	iLoc	MHZ	???	_
STZU	0.84	345.6	x	23:45:41.500	-99.0					---		80.0				15286975	FDSN	IR	--	ISC	iLoc	???	???	_
STZU	0.84	345.6	x	23:45:42.000	-99.0					---		30.0				15286976	FDSN	IR	--	ISC	iLoc	???	???	_
RAKU	0.84	101.8	Pg	23:45:28.200	-0.1					T__						15286977	FDSN	IR	--	ISC	iLoc	???	???	_
RAKU	0.84	101.8	x	23:45:29.400	-99.0					---		10.0				15286978	FDSN	IR	--	ISC	iLoc	???	???	_
RAKU	0.84	101.8	Lg	23:45:39.686	-0.9					T__						15286979	FDSN	UA	--	BUD	iLoc	MHZ	???	_
RAKU	0.84	101.8	x	23:45:41.800	-99.0					---		40.0				15286980	FDSN	IR	--	ISC	iLoc	???	???	_
RAKU	0.84	101.8	x	23:45:42.400	-99.0					---		50.0				15286981	FDSN	IR	--	ISC	iLoc	???	???	_
KOLS	0.85	329.0	Pg	23:45:28.549	0.4					T__						15286982	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	0.85	329.0	Lg	23:45:39.879	-1.1					T__						15286983	FDSN	SK	--	BUD	iLoc	HHE	???	_
NSLU	1.01	89.8	Pg	23:45:19.100	-12.4					---						15286984	FDSN	IR	--	ISC	iLoc	???	???	_

NSLU	1.01	89.8	x	23:45:19.700	-99.0	---	10.0	---	15286985	FDSN	IR	--	ISC	iLoc	???	???	_	
NSLU	1.01	89.8	Lg	23:45:23.800	-21.8	---	---	---	15286986	FDSN	IR	--	ISC	iLoc	???	???	_	
NSLU	1.01	89.8	x	23:45:25.400	-99.0	---	100.0	---	15286987	FDSN	IR	--	ISC	iLoc	???	???	_	
NSLU	1.01	89.8	x	23:45:26.100	-99.0	---	40.0	---	15286988	FDSN	IR	--	ISC	iLoc	???	???	_	
MESR	1.05	179.7	Pg	23:45:32.625	0.2	T__	---	---	15286989	FDSN	IR	--	ISC	iLoc	???	???	_	
MESR	1.05	179.7	Lg	23:45:47.077	-0.2	T__	---	---	15286990	FDSN	IR	--	ISC	iLoc	???	???	_	
MORS	1.12	33.8	Pn	23:45:36.457	2.6	T__	---	---	15286991	FDSN	UA	--	BUD	iLoc	MHZ	???	_	
ABAH	1.14	275.3	Pn	23:45:32.531	-0.5	T__	123.4	---	MLv	15286992	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	1.14	275.3	Lg	23:45:48.969	-1.3	T__	---	---	---	15286993	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 2.2 1																		
DRGR	1.42	186.4	Pn	23:45:37.473	0.1	T__	70.2	---	MLv	15286994	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	1.42	186.4	Sn	23:45:54.778	-2.5	T__	---	---	---	15286995	FDSN	RO	--	BUD	iLoc	BHE	???	_
DRGR	1.42	186.4	Pn	23:45:38.751	1.4	T__	---	---	---	15286996	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.42	186.4	Sn	23:45:55.805	-1.5	T__	---	---	---	15286997	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.1 1																		
ARCR	1.47	139.0	Pn	23:45:39.480	1.3	T__	---	---	---	15286998	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	1.47	139.0	Pn	23:45:39.627	1.5	T__	85.3	---	MLv	15286999	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
ARCR	1.47	139.0	Sn	23:45:59.060	0.6	T__	---	---	---	15287000	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 2.2 1																		
MARR	1.53	175.4	Pn	23:45:40.826	1.7	T__	---	---	---	15287001	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.53	175.4	Sn	23:45:59.055	-1.2	T__	---	---	---	15287002	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	1.56	163.1	Pn	23:45:41.660	2.3	T__	---	---	---	15287003	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	1.56	163.1	Pg	23:45:41.795	-0.2	T__	89.7	---	MLv	15287004	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
CJR	1.56	163.1	Sn	23:46:00.558	-0.1	T__	---	---	---	15287005	FDSN	RO	--	BUD	iLoc	BHN	???	_
CJR	1.56	163.1	Sn	23:46:01.104	0.4	T__	---	---	---	15287006	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.3 0																		
BURAR	1.62	109.4	Pn	23:45:41.127	0.4	T__	---	---	---	15287007	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BURAR	1.62	109.4	Sn	23:46:03.233	0.1	T__	---	---	---	15287008	FDSN	RO	--	BUD	iLoc	BHE	???	_
BURAR	1.64	110.2	Pn	23:45:42.223	1.2	T__	---	---	---	15287009	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	1.64	110.2	Sn	23:46:04.025	0.5	T__	---	---	---	15287010	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	1.66	280.6	Sn	23:46:05.169	2.8	T__	---	---	---	15287011	FDSN	SK	--	BUD	iLoc	EHE	???	_
PSZ	2.06	263.2	Lg	23:46:18.510	-1.9	T__	---	---	---	15287012	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	2.06	263.2	Lg	23:46:18.375	-2.1	T__	---	---	---	15287013	FDSN	GE	--	BUD	iLoc	HHZ	???	_
SIRR	2.12	204.7	Pn	23:45:43.777	-3.3	T__	---	---	---	15287014	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	2.74	199.8	Pn	23:45:59.977	4.2	T__	---	---	---	15287015	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	2.81	182.4	Pg	23:46:03.901	-1.2	T__	---	---	---	15287016	FDSN	IR	--	ISC	iLoc	???	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/02/11 09:18:27.64 3.31 0.58 48.6061 20.7515 25.9 7.2 2 0.0S 6 3 258 0.22 0.90 m sx BUD 15287066 iLoc 344
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude	Err	Nsta	Author	OrigID																				
Sta	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	235.3	Pg	09:18:32.106	-0.0	T__	---	---	---	---	---	389.4	---	MLv	15287068	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_	
KECS	0.22	235.3	Lg	09:18:35.243	-0.4	T__	---	---	---	---	---	---	---	---	---	15287069	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.22	235.3	Lg	09:18:35.900	0.2	T__	---	---	---	---	---	0.4	---	---	---	15287070	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.45	133.5	Lg	09:18:44.452	-0.1	T__	---	---	---	---	---	---	---	---	---	15287071	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	0.90	220.1	Pn	09:18:47.410	0.9	T__	---	---	---	---	---	60.5	---	MLv	15287072	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	0.90	220.1	Lg	09:19:00.098	0.2	T__	---	---	---	---	---	---	---	---	---	15287073	FDSN	GE	--	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
2019/02/11	11:00:04.93	1.02	0.31	47.8502	19.1402	5.9	3.5	171	0.0S		9	5	184	0.08	0.68	m	kx BUD	15287098	iLoc			280
2019/02/11	11:00:04.82f		0.37	47.8355	19.1270f				0.0S		9		197	0.07	0.69	a	kx BUD_GT	15327439	BUD			289

(GT info : GT2 explosion)

(description : known quarry blast)

(locality : Sejce-Vác Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	0.7	1.7	4 BUD	15287098
ML	1.8	0.2	4 ILOC	15327439

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
A270A	0.07	277.6	Pg	11:00:07.263	0.4					T__		2979.7		---	MLv	15329110	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A270A	0.07	277.6	Lg	11:00:09.066	0.4					T__				---		15329111	FDSN	Z3	00	BUD	BUD	HHE	???	_
(Station ML : 2.0 1																								
A336A	0.41	347.9	Pg	11:00:13.443	0.1					T__		270.3		---	MLv	15329112	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A336A	0.41	347.9	Lg	11:00:19.304	-0.6					T__				---		15329113	FDSN	Z3	00	BUD	BUD	HH3	???	_
(Station ML : 1.9 1																								
PSZ	0.52	80.6	Pg	11:00:16.174	-0.1					T__		87.1		---	MLv	15329114	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.52	80.6	Lg	11:00:24.311	-0.3					T__				---		15329115	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.7 1																								
A338A	0.55	289.3	Lg	11:00:25.228	-0.2					T__				---		15329116	FDSN	Z3	00	BUD	BUD	HH2	???	_
VVHS	0.69	343.6	Pn	11:00:20.433	-0.4					T__		14.6		---	MLv	15329117	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
VVHS	0.69	343.6	Lg	11:00:28.604	-0.5					T__				---		15329118	FDSN	SK	--	BUD	BUD	HHZ	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/11	14:23:08.04	1.70	1.63	48.7528	21.4258	15.3	5.9	143	0.0S		13	6	154	0.47	0.97	m	sx BUD	15287126	iLoc			235

(description : suspected quarry blast)

(locality : Slanec Slovakia)

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	0.47	195.2	Pg	14:23:17.823	0.2					T__		141.6		---	MLv	15287128	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.47	195.2	Lg	14:23:25.548	-0.2					T__				---		15287129	FDSN	HU	--	BUD	iLoc	HHN	???	_
ABAH	0.47	195.2	Lg	14:23:26.100	0.4					T__		0.1		---		15287130	FDSN	IR	--	ISC	iLoc	???	???	_
KOLS	0.59	71.8	Pn	14:23:22.854	-0.8					T__				---		15287131	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	0.59	71.8	Sn	14:23:35.600	1.7					T__		6.3		---		15287132	FDSN	IR	--	ISC	iLoc	???	???	_
HOLU	0.67	109.2	Pg	14:23:21.842	0.7					T__				---		15287133	FDSN	UA	--	BUD	iLoc	MHZ	???	_
HOLU	0.67	109.2	Lg	14:23:32.262	-0.2					T__				---		15287134	FDSN	UA	--	BUD	iLoc	MHZ	???	_
STHS	0.68	349.9	Sn	14:23:40.300	4.2					T__				---		15287135	FDSN	IR	--	ISC	iLoc	???	???	_
STZU	0.83	71.1	Pn	14:23:27.299	1.0					T__				---		15287136	FDSN	UA	--	BUD	iLoc	MHZ	???	_
STZU	0.83	71.1	Sn	14:23:40.414	-0.9					T__				---		15287137	FDSN	UA	--	BUD	iLoc	MHZ	???	_
TRPA	0.97	129.6	Pg	14:23:26.900	0.1					T__		0.0		---		15287138	FDSN	IR	--	ISC	iLoc	???	???	_
TRPA	0.97	129.6	Pn	14:23:28.128	0.3					T__		20.8		---	MLv	15287139	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
TRPA	0.97	129.6	Lg	14:23:40.521	-1.7					T__				---		15287140	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/12	12:23:35.39	2.63	0.70	48.6039	20.8155	24.0	5.1	3	0.0S	8	5	164	0.25	1.32	m	sx	BUD	15287152	iLoc			231
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.2	3 ILOC	15287152

Sta	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	241.3	Pg	12:23:40.500	-0.1					T__		0.7				15287154	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	0.25	241.3	Pg	12:23:40.700	0.1					T__		672.0			MLv	15287155	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.25	241.3	Lg	12:23:44.862	0.3					T__						15287156	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 1.8 1																								
ABAH	0.42	137.3	Pg	12:23:44.028	0.1					T__		127.3			MLv	15287157	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.6 1																								
PSZ	0.92	222.2	Pn	12:23:53.705	-1.0					T__		82.0			MLv	15287158	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.92	222.2	Lg	12:24:08.350	-0.2					T__						15287159	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.9 1																								
KOLS	1.02	70.6	Sn	12:24:12.242	-0.7					T__						15287160	FDSN	SK	--	BUD	iLoc	HHN	???	_
VVHS	1.32	266.0	Sn	12:24:20.854	0.9					T__						15287161	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
2019/02/13	08:04:13.41	1.40	1.16	47.9916	16.5972	7.1	4.7	139	0.0A	9	89	0.50	2.22	a	kx	KRSZO	15268259	ISC				360
2019/02/13	08:04:12.62	0.48	0.36	47.9782	16.6522	4.6	1.4	109	0.0F	0.0	8	3	0.37	1.05	a	sx	VIE	15268255	ISC			360
2019/02/13	08:04:12.02	0.97	1.89	48.0618	16.6729	7.4	5.1	108	0.0S	22	12	94	0.21	1.25	m	sx	BUD	15326691	iLoc			139
(description : suspected quarry blast)																						
(locality : Steinbruch Austria)																						

Magnitude	Err	Nsta	Author	OrigID
mb	0.9		VIE	15268255
ml	1.5		VIE	15268255
ML	1.9	0.1	3 ILOC	15326691

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A004A	0.21	242.0	Pg	08:04:20.077	3.7					T__		1070.8			MLv	15326693	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.9 1																								
SDP	0.39	191.6	Lg	08:04:26.364	1.0					T__						15326694	FDSN	HU	--	BUD	iLoc	HHN	???	_
RONA	0.44	215.1	Pg	08:04:19.826	-1.2					T__		0.5	0.10			15326695	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.44	215.1	Lg	08:04:24.252	-2.8					T__		2.5	0.16			15326696	FDSN	IR	--	ISC	iLoc	???	???	_
MODS	0.51	52.2	Pn	08:04:25.594	-1.0					T__						15326697	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.51	52.2	Sn	08:04:33.411	-2.6					T__						15326698	FDSN	SK	--	BUD	iLoc	HHN	???	_
CONA	0.56	256.5	Pg	08:04:23.459	0.2					T__		108.9			MLv	15326699	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
CONA	0.56	256.5	Lg	08:04:30.325	-0.4					T__						15326700	FDSN	OE	--	BUD	iLoc	BHN	???	_
CONA	0.56	256.5	Pg	08:04:22.883	-0.3					T__		1.6	0.22			15326701	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.56	256.5	Lg	08:04:30.538	-0.2					T__		1.0	0.16			15326702	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.8 1																								
A012A	0.86	238.4	Lg	08:04:40.451	0.4					T__						15326703	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A007A	1.01	311.1	Lg	08:04:45.998	0.3					T__						15326704	FDSN	Z3	00	BUD	iLoc	HHN	???	_

KRUC	1.02	349.7	Pn	08:04:33.600	0.6	T__	---	15326705	FDSN	IR	--	ISC	iLoc	???	???	_		
KRUC	1.02	349.7	Sn	08:04:48.700	0.2	T__	---	15326706	FDSN	IR	--	ISC	iLoc	???	???	_		
KRUC	1.02	349.7	Sn	08:04:48.930	0.5	T__	---	15326707	FDSN	CZ	--	BUD	iLoc	BHE	???	_		
JAVC	1.04	39.4	Pn	08:04:37.032	3.5	T__	172.8	---	MLv	15326708	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_
JAVC	1.04	39.4	Sn	08:04:54.421	4.5	T__	---	15326709	FDSN	CZ	--	BUD	iLoc	BHE	???	_		
(Station ML : 2.3 1																		
MPLH	1.07	146.4	Sn	08:04:49.333	0.0	T__	---	15326710	FDSN	HU	--	BUD	iLoc	BHE	???	_		
ARSA	1.12	224.2	Pg	08:04:33.405	-0.3	T__	1.2	0.22	---	15326711	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.12	224.2	Lg	08:04:47.751	-0.1	T__	0.4	0.14	---	15326712	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.12	224.2	Sn	08:04:49.225	-1.4	T__	---	15326713	FDSN	OE	--	BUD	iLoc	BHE	???	_		
VRAC	1.25	357.6	Pg	08:04:35.700	0.0	T__	---	15326714	FDSN	IR	--	ISC	iLoc	???	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/13	08:53:20.60	0.32		45.6310	17.3080	0.0	0.0		5.0A		12			0.68	1.31	a	ke RHSSO	15268285	ISC			360
2019/02/13	08:53:19.23	0.78	0.75	45.6330	17.2920	3.9	3.7	47	0.0A		37	14	68	0.38	1.30	m	ke BUD	15287275	iLoc			127

Magnitude	Err	Nsta	Author	OrigID
ML	1.6		RHSSO	15268285
ML	1.9	0.3	10 ILOC	15287275

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MOSL	0.38	267.2	Pg	08:53:27.294	-0.0				T__			74.1	---	MLv	15287277	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_	
MOSL	0.38	267.2	Lg	08:53:32.200	-0.7				T__			---	---	---	15287278	FDSN	IR	--	ISC	iLoc	???	???	_	
MOSL	0.38	267.2	Lg	08:53:32.631	-0.3				T__			---	---	---	15287279	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.2 0																								
A252A	0.44	116.6	Pg	08:53:27.989	-0.4				T__		137.2	---	MLv	15287280	FDSN	Z3	--	BUD	iLoc	HHZ	HHZ	_		
A252A	0.44	116.6	Lg	08:53:34.038	-0.3				T__		---	---	---	15287281	FDSN	Z3	--	BUD	iLoc	HHZ	???	_		
(Station ML : 1.7 1																								
A051A	0.68	203.8	Pg	08:53:32.000	-0.7				T__		---	---	---	15287282	FDSN	IR	--	ISC	iLoc	???	???	_		
A051A	0.68	203.8	Lg	08:53:42.500	0.9				T__		---	---	---	15287283	FDSN	IR	--	ISC	iLoc	???	???	_		
KOVH	0.73	50.8	Pg	08:53:34.263	0.1				T__		69.7	---	MLv	15287284	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_		
KOVH	0.73	50.8	Lg	08:53:44.302	-0.3				T__		---	---	---	15287285	FDSN	HU	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.7 1																								
KALN	0.77	310.8	Pg	08:53:35.760	0.7				T__		---	---	---	15287286	FDSN	IR	--	ISC	iLoc	???	???	_		
KALN	0.77	310.8	Lg	08:53:45.200	-0.5				T__		---	---	---	15287287	FDSN	IR	--	ISC	iLoc	???	???	_		
KALN	0.77	310.8	Pg	08:53:35.405	0.5				T__		120.5	---	MLv	15287288	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_		
KALN	0.77	310.8	Lg	08:53:45.824	0.4				T__		---	---	---	15287289	FDSN	CR	--	BUD	iLoc	BHE	???	_		
(Station ML : 2.0 1																								
BLY	0.85	185.3	Pn	08:53:38.039	0.2				T__		72.1	---	MLv	15287290	FDSN	MN	--	BUD	iLoc	BHZ	BHZ	_		
(Station ML : 1.8 1																								
A265A	0.87	23.7	Pn	08:53:38.510	0.9				T__		456.0	---	MLv	15287291	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
(Station ML : 2.6 0																								
BLY	0.89	185.0	Pg	08:53:37.000	0.5				T__		---	---	---	15287292	FDSN	IR	--	ISC	iLoc	???	???	_		
BLY	0.89	185.0	Pn	08:53:37.600	-0.8				T__		0.1	---	---	15287293	FDSN	IR	--	ISC	iLoc	???	???	_		
BLY	0.89	185.0	Lg	08:53:49.500	1.8				T__		---	---	---	15287294	FDSN	IR	--	ISC	iLoc	???	???	_		
(Station ML : 1.8 1																								
BEHE	0.91	336.9	Pg	08:53:36.900	-0.9				T__		---	---	---	15287295	FDSN	IR	--	ISC	iLoc	???	???	_		
BEHE	0.91	336.9	Lg	08:53:50.400	0.1				T__		---	---	---	15287296	FDSN	IR	--	ISC	iLoc	???	???	_		
BEHE	0.91	336.9	Pn	08:53:39.628	1.1				T__		144.7	---	MLv	15287297	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_		
BEHE	0.91	336.9	Sn	08:53:52.854	0.2				T__		---	---	---	15287298	FDSN	HU	--	BUD	iLoc	BHE	???	_		
(Station ML : 2.2 1																								

PTJ	0.97	287.0	Pn	08:53:39.593	0.1	T__	131.8	---	MLv	15287299	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.97	287.0	Sn	08:53:53.892	-0.2	T__		---		15287300	FDSN	CR	--	BUD	iLoc	BHE	???	_
PTJ	0.97	286.9	Lg	08:53:53.450	1.2	T__		---		15287301	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.2 1																		
LOBO	1.00	301.9	Pn	08:53:40.200	0.2	T__		---		15287302	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	1.00	301.9	Lg	08:53:53.490	0.9	T__		---		15287303	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.11	57.8	Pn	08:53:40.500	-0.4	T__		---		15287304	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.11	57.8	Sn	08:53:55.300	-2.0	T__		---		15287305	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.11	57.8	Pn	08:53:40.805	-0.1	T__	18.7	---	MLv	15287306	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.11	57.8	Sn	08:53:57.181	-0.1	T__		---		15287307	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.4 0																		
A050A	1.27	205.4	Pg	08:53:42.900	-1.1	T__		---		15287308	FDSN	IR	--	ISC	iLoc	???	???	_
A050A	1.27	205.4	Lg	08:54:01.500	-0.0	T__		---		15287309	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	1.30	279.2	Pn	08:53:45.237	0.9	T__	234.8	---	MLv	15287310	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	1.30	279.2	Lg	08:54:03.621	0.5	T__		---		15287311	FDSN	SL	--	BUD	iLoc	BHN	???	_
CRES	1.30	279.2	Pg	08:53:44.000	-0.2	T__		---		15287312	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	1.30	279.2	Sn	08:54:02.200	-0.3	T__		---		15287313	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/13	09:02:29.10	1.15	0.95	47.8245	19.1828	7.3	3.9	2	0.0S		7	4	202	0.11	0.71	m	kx BUD	15287356	iLoc			297
2019/02/13	09:02:29.43f		0.82	47.8355	19.1270f				0.0S		7		197	0.07	0.69	a	kx BUD_GT	15327449	BUD			289

(GT info : GT2 explosion)
 (description : known quarry blast)
 (locality : Sejce-Vác Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.1	3 BUD	15287356
ML	1.6	0.0	3 ILOC	15327449

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
A270A	0.07	277.6	Pg	09:02:32.190	0.8					T__		1170.3		---	MLv	15329119	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A270A	0.07	277.6	Lg	09:02:33.813	0.5					T__				---		15329120	FDSN	Z3	00	BUD	BUD	HHE	???	_
(Station ML : 1.6 1																								
A336A	0.41	347.9	Pg	09:02:38.748	0.8					T__		129.7		---	MLv	15329121	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A336A	0.41	347.9	Lg	09:02:44.446	-0.1					T__				---		15329122	FDSN	Z3	00	BUD	BUD	HH3	???	_
(Station ML : 1.5 1																								
PSZ	0.52	80.6	Pg	09:02:39.525	-1.3					T__		94.0		---	MLv	15329123	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.52	80.6	Lg	09:02:48.457	-0.8					T__				---		15329124	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.7 1																								
VYHS	0.69	343.6	Lg	09:02:52.750	-0.9					T__				---		15329125	FDSN	SK	--	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/02/13	09:25:32.94	0.94	0.75	47.3050	17.6311	4.7	3.4	153	0.0S		9	4	122	0.15	0.43	m	kx BUD	15287404	iLoc				216
2019/02/13	09:25:32.97f		0.69	47.3300	17.6350f				0.0S		9		129	0.17	0.43	a	kx BUD_GT	15327453	BUD				220

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.0	4 BUD	15287404
ML	1.5	0.1	4 ILOC	15327453

Sta	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	202.2	Pg	09:25:36.244	-0.8					T__		235.5		---	MLv	15329126	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MPLH	0.17	202.2	Lg	09:25:39.394	-0.9					T__				---		15329127	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 1.2 1																								
A268A	0.22	62.6	Pg	09:25:37.677	-0.3					T__		357.9		---	MLv	15329130	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A268A	0.22	62.6	Lg	09:25:41.543	-0.7					T__				---		15329131	FDSN	Z3	00	BUD	BUD	HHN	???	_
(Station ML : 1.5 1																								
EGYH	0.22	292.8	Pg	09:25:38.172	0.1					T__		361.7		---	MLv	15329128	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
EGYH	0.22	292.8	Lg	09:25:43.087	1.0					T__				---		15329129	FDSN	HU	--	BUD	BUD	HHN	???	_
(Station ML : 1.5 1																								
CSKK	0.43	85.3	Pg	09:25:42.600	0.7					T__		1.1		---		15329132	FDSN	IR	--	ISC	BUD	???	???	_
CSKK	0.43	85.3	Pg	09:25:42.784	0.9					T__		112.6		---	MLv	15329133	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.43	85.3	Lg	09:25:49.914	0.4					T__				---		15329134	FDSN	HU	--	BUD	BUD	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/13	09:31:15.01	1.02	0.20	47.3025	17.6829	5.7	4.7	134	0.0S		6	4	135	0.16	0.40	m	kx BUD	15287433	iLoc			214
2019/02/13	09:31:15.16f		0.84	47.3300	17.6350f				0.0S		6		129	0.17	0.43	a	kx BUD_GT	15327457	BUD			220
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Ugod Hungary)																						

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	0.17	202.2	Pg	09:31:18.848	-0.3					T__		222.3		---	MLv	15329135	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MPLH	0.17	202.2	Lg	09:31:22.062	-0.4					T__				---		15329136	FDSN	HU	--	BUD	BUD	BHE	???	_
A268A	0.22	62.6	Lg	09:31:23.986	-0.4					T__				---		15329137	FDSN	Z3	00	BUD	BUD	HHE	???	_
EGYH	0.22	292.8	Pg	09:31:20.751	0.5					T__		701.3		---	MLv	15329138	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
EGYH	0.22	292.8	Lg	09:31:25.778	1.5					T__				---		15329139	FDSN	HU	--	BUD	BUD	HHN	???	_
CSKK	0.43	85.3	Lg	09:31:30.554	-1.1					T__				---		15329140	FDSN	HU	--	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/13	10:59:34.89	0.60	0.40	48.1483	16.8888	5.4	1.8	103	0.0F	0.0	12		3	0.60	1.28	a	sx VIE	15268330	ISC			360
2019/02/13	10:59:33.99	0.79	0.91	48.1732	16.9185	5.1	3.1	146	0.0S		33	17	81	0.31	1.66	m	sx BUD	15287464	iLoc			84
(description : suspected quarry blast)																						
(locality : Hainburg Austria)																						

Magnitude	Err	Nsta	Author	OrigID
mb	1.8		VIE	15268330
m1	1.7		VIE	15268330
ML	2.0	0.1	7 ILOC	15287464

Sta	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	50.0	Pg	10:59:40.778	-0.0					T__				---		15287466	FDSN	SK	--	BUD	iLoc	HHZ	???	_

MODS	0.31	50.0	Lg	10:59:45.432	-0.9	T__								15287467	FDSN	SK	--	BUD	iLoc	HHN	???	_
RONA	0.63	221.7	Pg	10:59:46.119	-0.6	T__								15287468	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.63	221.7	Lg	10:59:54.624	-0.5	T__								15287469	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.75	251.3	Pg	10:59:48.068	-0.8	T__								15287470	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
CONA	0.75	251.3	Lg	10:59:59.460	0.7	T__								15287471	FDSN	OE	--	BUD	iLoc	BHE	???	_
CONA	0.75	251.3	Pg	10:59:49.517	0.6	T__								15287472	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.75	251.3	Lg	10:59:58.914	0.2	T__								15287473	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.8 1																						
EGYH	0.81	159.7	Lg	11:00:02.853	0.8	T__								15287474	FDSN	HU	--	BUD	iLoc	HHN	???	_
JAVC	0.85	35.8	Pn	10:59:54.394	1.6	T__								15287475	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_
JAVC	0.85	35.8	Pn	10:59:53.400	0.6	T__								15287476	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	0.85	35.8	Sn	11:00:07.100	-0.3	T__								15287477	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.1 0																						
KRUC	0.95	338.9	Pn	10:59:53.800	-0.3	T__								15287478	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.95	338.9	Lg	11:00:06.800	0.3	T__								15287479	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.95	338.9	Pn	10:59:53.970	-0.1	T__								15287480	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_
KRUC	0.95	338.9	Lg	11:00:06.261	-0.2	T__								15287481	FDSN	CZ	--	BUD	iLoc	BHE	???	_
(Station ML : 1.9 1																						
A335A	0.99	73.3	Lg	11:00:09.001	0.1	T__								15287482	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A011B	1.00	220.6	Sn	11:00:08.695	-1.1	T__								15287483	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A013A	1.02	264.4	Sn	11:00:08.575	-1.7	T__								15287484	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A012A	1.06	238.1	Pn	10:59:55.814	-0.1	T__								15287485	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A012A	1.06	238.1	Sn	11:00:10.130	-1.6	T__								15287486	FDSN	Z3	00	BUD	iLoc	HH2	???	_
(Station ML : 2.0 1																						
A007A	1.07	300.9	Lg	11:00:10.425	0.5	T__								15287487	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MPLH	1.09	157.1	Sn	11:00:11.702	-0.2	T__								15287488	FDSN	HU	--	BUD	iLoc	HHE	???	_
VRAC	1.16	349.4	Pn	10:59:56.500	-0.4	T__								15287489	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.16	349.4	Pn	10:59:57.364	0.5	T__								15287490	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_
VRAC	1.16	349.4	Sn	11:00:13.885	-0.2	T__								15287491	FDSN	CZ	--	BUD	iLoc	BHE	???	_
(Station ML : 2.0 1																						
A332A	1.21	57.9	Sn	11:00:18.045	2.3	T__								15287492	FDSN	Z3	00	BUD	iLoc	HHE	???	_
ARSA	1.32	226.1	Sn	11:00:17.216	-0.3	T__								15287493	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.32	226.1	Pg	11:00:00.090	0.0	T__								15287494	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
ARSA	1.32	226.1	Sn	11:00:17.627	0.1	T__								15287495	FDSN	OE	--	BUD	iLoc	BHE	???	_
(Station ML : 2.0 1																						
VYHS	1.32	75.2	Pg	11:00:00.642	0.1	T__								15287496	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.32	75.2	Sn	11:00:16.457	-2.1	T__								15287497	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.5 0																						
MORC	1.66	14.1	Sn	11:00:28.002	0.9	T__								15287498	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	
2019/02/13	13:15:19.90	1.01	0.87	46.1212	18.1339	5.8	3.5	129	0.0S		7	4	121	0.04	0.71	m	kx	BUD	15287533	iLoc			233
2019/02/13	13:15:19.38f		0.90	46.1254	18.0152f				0.0S		7		143	0.07	0.70	a	kx	BUD_GT	15327463	BUD			248
(GT info : GT2 explosion)																							
(description : known quarry blast)																							
(locality : Bükkösd-II Hungary)																							

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.6	4 BUD	15287533
ML	1.5	0.5	4 ILOC	15327463

Sta	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	122.2	Pg	13:15:21.557	0.1					T__		490.5		---	MLv	15329141	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.07	122.2	Lg	13:15:22.830	-0.6					T__				---		15329142	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 1.2 1																								
A265A	0.34	333.1	Pg	13:15:27.991	1.3					T__		382.6		---	MLv	15329145	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 1.8 1																								
MORH	0.45	78.1	Pg	13:15:27.227	-1.5					T__		21.2		---	MLv	15329143	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.45	78.1	Lg	13:15:35.417	-0.5					T__				---		15329144	FDSN	HU	--	BUD	BUD	BHZ	???	_
(Station ML : 0.9 1																								
A252A	0.70	189.7	Pg	13:15:34.004	0.4					T__		78.8		---	MLv	15329146	FDSN	Z3	--	BUD	BUD	HHZ	HHZ	_
A252A	0.70	189.7	Lg	13:15:43.529	1.0					T__				---		15329147	FDSN	Z3	--	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/14	11:34:22.74	3.05	0.56	47.9106	19.4228	40.8	4.2	23	0.0S		5	3	230	0.32	0.70	m	kx BUD	15287559	iLoc			352
2019/02/14	11:34:22.75f		0.39	47.9151	19.4088f				0.0S		5		230	0.33	0.69	a	kx BUD_GT	15327467	BUD			352

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.6	3 BUD	15287559
ML	1.4	0.6	3 ILOC	15327467

Sta	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	0.33	89.2	Pg	11:34:30.074	-0.1					T__		171.6		---	MLv	15329148	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.33	89.2	Lg	11:34:35.348	-0.5					T__				---		15329149	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.4 1																								
A336A	0.42	319.4	Pg	11:34:31.804	0.3					T__		356.3		---	MLv	15329150	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A336A	0.42	319.4	Lg	11:34:38.422	0.2					T__				---		15329151	FDSN	Z3	00	BUD	BUD	HH3	???	_
(Station ML : 2.0 1																								
VYHS	0.69	326.7	Pn	11:34:38.249	-0.6					T__		13.9		---	MLv	15329152	FDSN	SK	--	BUD	BUD	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
2019/02/14	11:52:40.05	1.45	0.71	48.3506	18.5150	6.7	4.7	150	0.0A		8		157	0.26	1.02	a	kx KRSZO	15268359	ISC			360
2019/02/14	11:52:39.63	1.49	1.45	48.3672	18.4612	11.1	4.2	10	0.0S		12	6	156	0.12	1.06	m	sx BUD	15287595	iLoc			207

(description : suspected quarry blast)
(locality : Hostie Slovakia)

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.3	4 ILOC	15287595

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A335A	0.12	313.7	Pg	11:52:42.676	0.3					T__		613.3		---	MLv	15287597	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.4 1																								
VYHS	0.28	62.9	Pg	11:52:45.969	0.4					T__		30.8		---	MLv	15287598	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.28	62.9	Lg	11:52:49.735	-0.2					T__				---		15287599	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 0.6 1																								
A332A	0.44	0.3	Pg	11:52:48.624	0.0					T__		158.7		---	MLv	15287600	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_

A332A	0.44	0.3	Lg	11:52:54.913	-0.0	T__	---	15287601	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
(Station ML : 1.7 1																	
JAVC	0.72	313.5	Pn	11:52:54.824	-1.7	T__	91.3	MLv	15287602	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_
JAVC	0.72	313.5	Lg	11:53:06.376	0.6	T__	---	---	15287603	FDSN	CZ	--	BUD	iLoc	BHN	???	_
JAVC	0.72	313.5	Pn	11:52:54.500	-2.0	T__	---	---	15287604	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	0.72	313.5	Lg	11:53:05.200	-0.5	T__	---	---	15287605	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.9 1																	
MODS	0.79	270.9	Pn	11:52:57.267	-0.1	T__	---	---	15287606	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.79	270.9	Sn	11:53:09.328	-1.9	T__	---	---	15287607	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	1.06	114.5	Sn	11:53:15.435	-2.7	T__	---	---	15287608	FDSN	GE	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/15	04:43:00.70	0.20	0.15	48.4618	17.1898	0.4	0.3	196	0.0F	2.0	13	94	0.11	1.04	a	ke	IPEC	15268369	ISC			360
2019/02/15	04:43:01.84	0.51	1.13	48.4403	17.1583	5.6	2.7	118	0.0F	0.0	10	3	0.94	1.00	a	sx	VIE	15268365	ISC			360
2019/02/15	04:42:59.82	0.85	0.96	48.4597	17.2414	4.8	3.5	72	0.0S		21	7	77	0.09	1.07	m	sx	BUD	15326734	iLoc		154

Magnitude	Err	Nsta	Author	OrigID
ML	0.6		IPEC	15268369
mb	1.3		VIE	15268365
m1	1.3		VIE	15268365
ML	1.9	0.1	4 ILOC	15326734

Sta	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	164.7	Pg	04:43:02.675	0.4					T__						15326736	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.09	164.7	Lg	04:43:04.449	-0.1					T__						15326737	FDSN	SK	--	BUD	iLoc	HHE	???	_
JAVC	0.49	35.3	Pn	04:43:12.523	-1.6					T__	136.6				MLv	15326738	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_
JAVC	0.49	35.3	Pg	04:43:10.700	0.6					T__						15326739	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	0.49	35.3	Pg	04:43:10.800	0.6					T__						15326740	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	0.49	35.3	Lg	04:43:17.600	-0.5					T__	1.2	0.41				15326741	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	0.49	35.3	Lg	04:43:17.600	-0.5					T__						15326742	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.8 1																								
A335A	0.73	90.6	Pn	04:43:15.541	-1.1					T__	105.9				MLv	15326743	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.9 1																								
KRUC	0.82	317.4	Pg	04:43:16.100	0.5					T__						15326744	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.82	317.4	Pg	04:43:16.100	0.5					T__						15326745	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.82	317.4	Lg	04:43:27.000	-0.8					T__	1.1	0.31				15326746	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.82	317.4	Lg	04:43:27.000	-0.8					T__						15326747	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.82	317.4	Pn	04:43:16.474	-1.6					T__	91.1				MLv	15326748	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_
KRUC	0.82	317.4	Lg	04:43:28.540	0.8					T__						15326749	FDSN	CZ	--	BUD	iLoc	BHE	???	_
(Station ML : 1.9 1																								
RONA	0.99	220.2	Pn	04:43:20.045	-0.5					T__	0.5	0.10				15326750	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.99	220.2	Sn	04:43:35.118	-0.7					T__	1.2	0.16				15326751	FDSN	IR	--	ISC	iLoc	???	???	_
VYHS	1.06	87.6	Pn	04:43:20.954	-0.4					T__	23.4				MLv	15326752	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.06	87.6	Lg	04:43:36.113	-0.4					T__						15326753	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.5 1																								
CONA	1.07	240.6	Sn	04:43:36.162	-1.6					T__						15326754	FDSN	OE	--	BUD	iLoc	BHE	???	_
CONA	1.07	240.6	Pn	04:43:21.547	-0.2					T__	0.3	0.12				15326755	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.07	240.6	Sn	04:43:36.032	-1.8					T__	1.1	0.24				15326756	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/15	08:25:37.21	0.35	0.54	46.9525	22.3017	3.1	1.4	134	2.3F	2.1	26	195	0.32	2.43	a	ke BUC	15268406	ISC				360
2019/02/15	08:25:37.09	0.48	0.85	47.0132	22.2305				0.0F	0.0	13	130	0.40	2.12	a	sx KRSZO	15268402	ISC				360
2019/02/15	08:25:36.18	1.34	0.79	46.9889	22.2975	11.6	4.4	152	0.0S		45	17	108	0.35	2.46	m	sx BUD	15326905	iLoc			197

(description : suspected quarry blast)

(locality : Tetchea Romania)

Magnitude	Err	Nsta	Author	OrigID
m1	2.0		BUC	15268406
M	2.2		KRSZO	15268402
MLv	2.2		KRSZO	15268402
ML	2.3	0.2	7 ILOC	15326905

Sta	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	0.35	124.7	Pg	08:25:43.513	0.2					T__		227.0		---	MLv	15326907	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.35	124.7	Lg	08:25:48.212	-0.9					T__				---		15326908	FDSN	RO	--	BUD	iLoc	BHE	???	_
DRGR	0.35	124.7	Pg	08:25:43.621	0.3					T__				---		15326909	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.35	124.7	Pg	08:25:43.621	0.3					T__				---		15326910	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.6 0																								
MESR	0.47	69.9	Pg	08:25:45.777	0.0					T__		0.2		---		15326911	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.47	69.9	Lg	08:25:53.215	-0.4					T__		0.2		---		15326912	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.64	118.7	Pg	08:25:49.119	0.0					T__				---		15326913	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.64	118.7	Pg	08:25:49.119	0.0					T__				---		15326914	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.64	118.7	Lg	08:25:57.571	-1.8					T__				---		15326915	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.84	211.6	Pg	08:25:53.380	0.1					T__				---		15326916	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.84	211.6	Lg	08:26:04.632	-1.4					T__				---		15326917	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.85	211.4	Pg	08:25:53.185	-0.1					T__		67.9		---	MLv	15326918	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.85	211.4	Lg	08:26:04.442	-1.7					T__				---		15326919	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 1.8 1																								
CJR	0.93	106.7	Pn	08:25:55.642	-0.1					T__				---		15326920	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.93	106.7	Pn	08:25:55.642	-0.1					T__				---		15326921	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.93	106.7	Pn	08:25:56.322	0.6					T__		245.4		---	MLv	15326922	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 2.4 1																								
BMR	1.06	49.5	Pn	08:25:57.414	-0.1					T__		0.1		---		15326923	FDSN	IR	--	ISC	iLoc	???	???	_
BMR	1.06	49.5	Sn	08:26:13.917	-0.5					T__		0.1		---		15326924	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.24	185.6	Pn	08:26:00.141	0.3					T__				---		15326925	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.24	185.6	Lg	08:26:16.807	-0.6					T__				---		15326926	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	1.41	85.3	Pg	08:26:03.958	0.5					T__				---		15326927	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	1.41	85.3	Pg	08:26:03.958	0.5					T__				---		15326928	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	1.41	85.3	Lg	08:26:24.102	0.5					T__				---		15326929	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.44	198.6	Pn	08:26:02.777	0.1					T__		68.6		---	MLv	15326930	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	1.44	198.6	Sn	08:26:22.808	-0.2					T__				---		15326931	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	1.45	199.2	Pn	08:26:02.976	0.2					T__				---		15326932	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.1 1																								
TIM	1.46	211.2	Lg	08:26:25.091	0.5					T__				---		15326933	FDSN	IR	--	ISC	iLoc	???	???	_
TIM	1.46	211.2	Lg	08:26:25.091	0.5					T__				---		15326934	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.63	168.0	Pn	08:26:06.613	1.0					T__				---		15326935	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.63	168.0	Pn	08:26:06.613	1.0					T__				---		15326936	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.63	168.0	Pg	08:26:08.029	1.0					T__		70.0		---	MLv	15326937	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.63	168.0	Sn	08:26:28.780	0.8					T__				---		15326938	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.63	168.0	Lg	08:26:29.732	-0.2					T__				---		15326939	FDSN	RO	--	BUD	iLoc	BHZ	???	_
(Station ML : 2.3 1																								
RAKU	1.64	50.0	Pg	08:26:07.514	-0.3					T__				---		15326940	FDSN	UA	--	BUD	iLoc	MHZ	???	_

LOT	1.85	145.9	Sn	08:26:34.214	0.4	T__								15326941	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.85	145.9	Pg	08:26:11.584	0.2	T__	78.4							15326942	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
LOT	1.85	145.9	Sn	08:26:35.485	1.5	T__								15326943	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 2.4 1																						
PSZ	1.88	300.6	Pn	08:26:08.512	-0.2	T__	99.3							15326944	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 2.5 0																						
BURAR	2.08	70.6	Pg	08:26:14.783	-1.7	T__								15326945	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BURAR	2.08	71.4	Pn	08:26:13.661	1.4	T__								15326946	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.08	71.4	Sn	08:26:39.898	-0.2	T__								15326947	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	2.11	177.7	Sn	08:26:40.286	1.2	T__								15326948	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.46	128.1	Pn	08:26:18.539	0.9	T__								15326949	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.46	128.1	Pn	08:26:18.539	0.9	T__								15326950	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.46	128.1	Sn	08:26:50.188	0.8	T__								15326951	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/15	11:22:26.78	0.97	0.66	47.2338	18.3069	5.5	3.3	96	0.0S		14	9	141	0.13	1.31	m	kx	BUD	15287843	iLoc		151
2019/02/15	11:22:27.38	0.65	0.84	47.2334	18.3900				0.0F	0.0	7		204	0.16	1.16	a	kx	KRSZO	15268475	ISC		360
2019/02/15	11:22:27.02f		0.52	47.2302	18.2835f				0.0S		14		138	0.13	1.32	a	kx	BUD_GT	15327475	BUD		149

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.2	7 BUD	15287843
M	1.9		KRSZO	15268475
MLv	1.9		KRSZO	15268475
ML	1.8	0.2	7 ILOC	15327475

Sta	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	353.4	Pg	11:22:29.736	-0.6					T__		2694.4			MLv	15329153	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.13	353.4	Lg	11:22:32.642	-0.8					T__						15329154	FDSN	HU	--	BUD	BUD	HHE	???	_
(Station ML : 2.1 0																								
A267A	0.31	154.4	Lg	11:22:39.572	0.2					T__						15329155	FDSN	Z3	00	BUD	BUD	HHN	???	_
A268A	0.32	309.6	Lg	11:22:39.550	-0.0					T__						15329156	FDSN	Z3	00	BUD	BUD	HHE	???	_
A269A	0.41	9.3	Pg	11:22:36.025	0.3					T__		217.4			MLv	15329157	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 1.8 1																								
TIH	0.42	219.1	Pg	11:22:35.700	-0.2					T__		0.2				15329158	FDSN	IR	--	ISC	BUD	???	???	_
TIH	0.42	219.1	Pg	11:22:35.700	-0.2					T__						15329159	FDSN	IR	--	ISC	BUD	???	???	_
TIH	0.43	219.5	Pg	11:22:35.254	-0.7					T__		194.4			MLv	15329160	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
(Station ML : 1.8 1																								
MPLH	0.51	263.5	Pg	11:22:37.540	-0.0					T__		79.1			MLv	15329161	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MPLH	0.51	263.5	Lg	11:22:46.428	0.9					T__						15329162	FDSN	HU	--	BUD	BUD	BHN	???	_
MPLH	0.51	263.5	Lg	11:22:46.600	0.9					T__		0.1				15329163	FDSN	IR	--	ISC	BUD	???	???	_
(Station ML : 1.6 1																								
MORH	1.04	166.1	Pn	11:22:47.177	-0.4					T__		19.3			MLv	15329164	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
(Station ML : 1.4 1																								
KOVH	1.15	186.4	Pg	11:22:50.408	0.4					T__		55.1			MLv	15329165	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
(Station ML : 1.9 1																								
VYHS	1.32	16.2	Pn	11:22:51.994	0.2					T__		13.3			MLv	15329166	FDSN	SK	--	BUD	BUD	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
2019/02/16	05:52:15.35	0.81	0.79	46.3261	17.3022	4.4	3.1	171	9.1F	0.4	36	17	72	0.17	1.38	m	ke BUD	15288953	iLoc			94
2019/02/16	05:52:14.72		0.98	46.3120	17.3020				13.2F		0		70	0.15	1.37	a	ke BUD_DD	15331811	BUD_DD			93

(description : hypoDD analysis)
(locality : Somogyszob Hungary)
(reference : Wéber, Czece, Süle, Bondár (2020) doi.org/10.1007/s40328-020-00311-7)

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.2	11 BUD	15288953
ML	1.6	0.2	11 ILOC	15331811

Sta	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	0.15	183.3	Pg	05:52:19.179	0.4					T__		322.2		_d	MLv	15331832	FDSN	Z3	00	BUD	BUD	HH	HHZ	_
A264A	0.15	183.3	Lg	05:52:22.241	0.6					T__				---		15331831	FDSN	Z3	00	BUD	BUD	HHE	???	_
(Station ML : 1.2 0)																								
A263A	0.33	1.5	Pg	05:52:22.124	0.4					T__		226.9		_c	MLv	15331833	FDSN	Z3	00	BUD	BUD	HH	HHZ	_
A263A	0.33	1.5	Lg	05:52:26.293	-0.4					T__				---		15331847	FDSN	Z3	00	BUD	BUD	HHZ	???	_
(Station ML : 1.6 1)																								
A265A	0.36	71.6	Pg	05:52:22.880	0.6					T__		215.5		_d	MLv	15331834	FDSN	Z3	00	BUD	BUD	HH	HHZ	_
A265A	0.36	71.6	Lg	05:52:27.354	-0.3					T__				---		15331835	FDSN	Z3	00	BUD	BUD	HHZ	???	_
(Station ML : 1.6 1)																								
BEHE	0.40	293.7	Lg	05:52:27.700	-1.0					T__				---		15331814	FDSN	IR	--	ISC	BUD	???	???	_
KOVH	0.60	111.7	Pn	05:52:27.951	0.5					T__		45.0		---	MLv	15331824	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.60	111.7	Lg	05:52:34.842	-0.1					T__				---		15331825	FDSN	HU	--	BUD	BUD	BHE	???	_
(Station ML : 1.5 1)																								
KALN	0.61	253.2	Pg	05:52:26.997	0.1					T__		56.9		---	MLv	15331836	FDSN	CR	--	BUD	BUD	BHZ	BHZ	_
KALN	0.61	253.2	Pg	05:52:27.350	0.3					T__				---		15331813	FDSN	IR	--	ISC	BUD	???	???	_
KALN	0.61	253.2	Sn	05:52:37.180	-1.1					T__				---		15331818	FDSN	IR	--	ISC	BUD	???	???	_
KALN	0.61	253.2	Sn	05:52:37.486	-0.4					T__				---		15331837	FDSN	CR	--	BUD	BUD	BHN	???	_
(Station ML : 1.6 1)																								
KOGS	0.74	281.0	Lg	05:52:39.629	0.7					T__				---		15331838	FDSN	SL	--	BUD	BUD	BHN	???	_
MOSL	0.80	208.9	Pg	05:52:30.170	-0.0					T__				---		15331815	FDSN	IR	--	ISC	BUD	???	???	_
MOSL	0.80	208.9	Pg	05:52:30.342	0.1					T__		88.8		---	MLv	15331839	FDSN	CR	--	BUD	BUD	BHZ	BHZ	_
MOSL	0.80	208.9	Sn	05:52:42.140	-0.4					T__				---		15331819	FDSN	IR	--	ISC	BUD	???	???	_
MOSL	0.80	208.9	Sn	05:52:42.477	-0.1					T__				---		15331840	FDSN	CR	--	BUD	BUD	BHE	???	_
(Station ML : 1.9 1)																								
LOBO	0.87	260.1	Pg	05:52:31.450	0.1					T__				---		15331816	FDSN	IR	--	ISC	BUD	???	???	_
LOBO	0.87	260.1	Sn	05:52:44.190	0.1					T__				---		15331820	FDSN	IR	--	ISC	BUD	???	???	_
MORH	0.94	95.4	Pg	05:52:32.669	-0.2					T__		17.1		---	MLv	15331826	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.94	95.4	Lg	05:52:46.658	0.4					T__				---		15331827	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 1.3 0)																								
A252A	0.96	156.3	Pg	05:52:33.956	0.7					T__		66.9		---	MLv	15331841	FDSN	Z3	--	BUD	BUD	BHZ	BHZ	_
A252A	0.96	156.3	Sn	05:52:46.207	0.1					T__				---		15331842	FDSN	Z3	--	BUD	BUD	BHE	???	_
(Station ML : 1.9 1)																								
PTJ	1.01	246.9	Pg	05:52:35.294	1.5					T__		76.3		---	MLv	15331829	FDSN	CR	--	BUD	BUD	BHZ	BHZ	_
PTJ	1.01	246.9	Lg	05:52:49.120	0.5					T__				---		15331821	FDSN	IR	--	ISC	BUD	???	???	_
PTJ	1.01	246.9	Lg	05:52:49.358	1.5					T__				---		15331828	FDSN	CR	--	BUD	BUD	BHN	???	_
(Station ML : 1.9 1)																								
EGYH	1.11	1.1	Pg	05:52:36.700	0.4					T__		0.2		---		15331817	FDSN	IR	--	ISC	BUD	???	???	_
GOLS	1.20	256.1	Pg	05:52:38.431	1.3					T__				---		15331843	FDSN	SL	--	BUD	BUD	BHZ	???	_
DOBS	1.28	263.4	Pg	05:52:40.186	1.8					T__				---		15331844	FDSN	SL	--	BUD	BUD	BHN	???	_
A051A	1.33	192.2	Pg	05:52:40.585	0.8					T__		70.8		---	MLv	15331845	FDSN	Z3	--	BUD	BUD	BHZ	BHZ	_

A051A	1.33	192.2	Lg	05:52:59.260	2.1	T__								15331846	FDSN	Z3	--	BUD	BUD	BHE	???	_
(Station ML : 2.1 0)																						
CRES	1.37	249.9	Pg	05:52:41.072	1.1	T__				188.0		MLv		15331830	FDSN	SL	--	BUD	BUD	BHZ	BHZ	_
CRES	1.37	249.9	Lg	05:53:00.945	1.9	T__								15331848	FDSN	SL	--	BUD	BUD	BHT	???	_
CRES	1.37	249.9	Lg	05:53:01.300	2.2	T__				0.2				15331822	FDSN	IR	--	ISC	BUD	???	???	_
CRES	1.37	249.9	Lg	05:53:01.300	2.2	T__								15331823	FDSN	IR	--	ISC	BUD	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/16	06:16:38.95	0.80	1.31	46.2874	17.2943	4.0	2.9	159	2.4F	9.5	39	19	68	0.13	1.36	m	ke BUD	15288865	iLoc			89
2019/02/16	06:16:38.15		1.26	46.3110	17.3020				13.2F		0		69	0.15	1.37	a	ke BUD_DD	15331852	BUD_DD			90
(description : hypoDD analysis)																						
(locality : Somogyszob Hungary)																						
(reference : Wéber, Czece, Süle, Bondár (2020) doi.org/10.1007/s40328-020-00311-7)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.1	11 BUD	15288865
ML	1.7	0.1	11 ILOC	15331852

Sta	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	0.15	183.4	Pg	06:16:42.595	0.4					T__		308.9		_d_	MLv	15331870	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A264A	0.15	183.4	Lg	06:16:46.119	1.1					T__				---		15331871	FDSN	Z3	00	BUD	BUD	HHE	???	_
(Station ML : 1.2 0)																								
A263A	0.33	1.5	Pg	06:16:45.551	0.3					T__		304.8		_c_	MLv	15331875	FDSN	Z3	00	BUD	BUD	HH	HHZ	_
A263A	0.33	1.5	Lg	06:16:50.363	0.2					T__				---		15331876	FDSN	Z3	00	BUD	BUD	HHN	???	_
(Station ML : 1.7 1)																								
A265A	0.36	71.5	Pg	06:16:46.301	0.5					T__		293.0		_d_	MLv	15331872	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A265A	0.36	71.5	Lg	06:16:50.784	-0.3					T__				---		15331877	FDSN	Z3	00	BUD	BUD	HHZ	???	_
(Station ML : 1.8 1)																								
KOVH	0.60	111.6	Pn	06:16:51.344	0.4					T__		58.7		_c_	MLv	15331873	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.60	111.6	Lg	06:16:58.362	0.1					T__				---		15331878	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 1.6 1)																								
KALN	0.61	253.3	Pg	06:16:49.954	-0.3					T__		78.8		---	MLv	15331887	FDSN	CR	--	BUD	BUD	BHZ	BHZ	_
KALN	0.61	253.3	Pg	06:16:50.110	-0.3					T__				---		15331854	FDSN	IR	--	ISC	BUD	???	???	_
KALN	0.61	253.3	Sn	06:17:00.350	-1.3					T__				---		15331859	FDSN	IR	--	ISC	BUD	???	???	_
KALN	0.61	253.3	Sn	06:17:00.652	-0.7					T__				---		15331888	FDSN	CR	--	BUD	BUD	BHR	???	_
(Station ML : 1.7 1)																								
A261A	0.65	350.7	Pn	06:16:53.457	1.7					T__		142.7		---	MLv	15331892	FDSN	Z3	00	BUD	BUD	HH	HHZ	_
(Station ML : 2.0 1)																								
A266A	0.70	71.8	Pn	06:16:53.081	0.8					T__		171.4		---	MLv	15331874	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A266A	0.70	71.8	Sn	06:17:03.879	0.6					T__				---		15331879	FDSN	Z3	00	BUD	BUD	HHN	???	_
(Station ML : 2.1 0)																								
TIH	0.71	34.2	Sn	06:17:04.289	0.6					T__				---		15331889	FDSN	HU	--	BUD	BUD	HHT	???	_
KOGS	0.74	281.1	Pn	06:16:56.300	3.1					T__		0.3		---		15331856	FDSN	IR	--	ISC	BUD	???	???	_
KOGS	0.74	281.1	Lg	06:17:03.126	0.8					T__				---		15331867	FDSN	SL	--	BUD	BUD	BHE	???	_
MOSL	0.80	208.9	Pg	06:16:53.774	0.2					T__		57.8		---	MLv	15331890	FDSN	CR	--	BUD	BUD	BHZ	BHZ	_
MOSL	0.80	208.9	Sn	06:17:05.730	-0.3					T__				---		15331860	FDSN	IR	--	ISC	BUD	???	???	_
MOSL	0.80	208.9	Sn	06:17:05.863	-0.1					T__				---		15331880	FDSN	CR	--	BUD	BUD	BHE	???	_
(Station ML : 1.7 1)																								
LOB0	0.87	260.1	Pg	06:16:54.940	0.1					T__				---		15331855	FDSN	IR	--	ISC	BUD	???	???	_
LOB0	0.87	260.1	Sn	06:17:07.950	0.4					T__				---		15331861	FDSN	IR	--	ISC	BUD	???	???	_
MPLH	0.87	10.7	Pg	06:16:59.000	3.7					T__		0.1		---		15331858	FDSN	IR	--	ISC	BUD	???	???	_

MPLH	0.87	10.7	Lg	06:17:08.734	1.0	T__										15331864	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.94	95.3	Pg	06:16:58.320	2.0	T__	24.7									15331865	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.94	95.3	Lg	06:17:10.495	0.8	T__										15331866	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 1.4 0																								
A252A	0.96	156.2	Pg	06:16:57.396	0.8	T__	72.2									15331881	FDSN	Z3	--	BUD	BUD	BHZ	BHZ	_
A252A	0.96	156.2	Sn	06:17:10.121	0.6	T__										15331882	FDSN	Z3	--	BUD	BUD	BHE	???	_
(Station ML : 1.9 1																								
PTJ	1.01	246.9	Pg	06:16:58.420	0.9	T__										15331857	FDSN	IR	--	ISC	BUD	???	???	_
PTJ	1.01	246.9	Lg	06:17:12.530	0.5	T__										15331862	FDSN	IR	--	ISC	BUD	???	???	_
PTJ	1.01	247.0	Lg	06:17:12.798	1.5	T__										15331891	FDSN	CR	--	BUD	BUD	BHT	???	_
PTJ	1.01	246.9	Sg	06:17:13.100	1.1	T__										15331863	FDSN	IR	--	ISC	BUD	???	???	_
EGYH	1.11	1.1	Lg	06:17:16.491	1.4	T__										15331868	FDSN	HU	--	BUD	BUD	HHE	???	_
GOLS	1.20	256.2	Pg	06:17:02.139	1.6	T__										15331883	FDSN	SL	--	BUD	BUD	BHZ	???	_
GOLS	1.20	256.2	Lg	06:17:19.500	2.4	T__										15331884	FDSN	SL	--	BUD	BUD	BH1	???	_
A051A	1.33	192.2	Pg	06:17:04.447	1.3	T__	79.7									15331885	FDSN	Z3	--	BUD	BUD	BHZ	BHZ	_
A051A	1.33	192.2	Lg	06:17:22.307	1.7	T__										15331886	FDSN	Z3	--	BUD	BUD	BHE	???	_
(Station ML : 2.1 0																								
CRES	1.37	250.0	Lg	06:17:24.207	1.7	T__										15331869	FDSN	SL	--	BUD	BUD	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/16	13:52:23.49	0.34	0.38	46.3722	21.3193	2.4	1.7	103	17.2F	1.6	22	158	0.26	2.76	a	ke	BUC	15268533	ISC			360
2019/02/16	13:52:22.52	1.20	0.85	46.4066	21.2756	7.9	5.9	92	8.5F	6.8	53	16	109	0.30	2.81	m	ke	BUD	15288112	iLoc		159

Magnitude	Err	Nsta	Author	OrigID
m1	2.1		BUC	15268533
ML	2.4	0.2	9 ILOC	15288112

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
SIRR	0.30	117.5	Pg	13:52:28.800	-0.2					T__		0.1				15288114	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.30	117.5	Pb	13:52:29.088	0.1					T__						15288115	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.30	117.5	Pb	13:52:29.088	0.1					T__						15288116	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.30	117.5	Lg	13:52:33.795	-0.1					T__						15288117	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.30	117.6	Pg	13:52:28.616	-0.4					T__	139.3					15288118	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.30	117.6	Lg	13:52:33.690	-0.3					T__						15288119	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 1.3 0																								
BZS	0.83	163.1	Pg	13:52:38.477	-0.2					T__						15288120	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.83	163.1	Pg	13:52:38.477	-0.2					T__						15288121	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.83	163.1	Lg	13:52:49.685	-0.1					T__						15288122	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.83	162.0	Pg	13:52:38.267	-0.5					T__	59.2					15288123	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.83	162.0	Lg	13:52:49.414	-0.4					T__						15288124	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.7 1																								
SURR	0.88	137.5	Pg	13:52:39.637	0.1					T__						15288125	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.88	137.5	Pg	13:52:39.637	0.1					T__						15288126	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.88	137.5	Lg	13:52:50.898	-0.3					T__						15288127	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.06	68.2	Pn	13:52:42.929	0.5					T__						15288128	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.06	68.2	Pn	13:52:42.929	0.5					T__						15288129	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.06	68.2	Lg	13:52:57.481	-0.3					T__						15288130	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.06	68.2	Pn	13:52:42.702	0.2					T__	136.7					15288131	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	1.06	68.2	Lg	13:52:57.167	-0.6					T__						15288132	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 2.2 1																								
MARR	1.30	77.4	Pn	13:52:47.380	1.4					T__						15288133	FDSN	IR	--	ISC	iLoc	???	???	_

MARR	1.30	77.4	Pn	13:52:47.380	1.4	T__	---	15288134	FDSN	IR	--	ISC	iLoc	???	???	_	
MARR	1.30	77.4	Sn	13:53:03.997	-0.1	T__	---	15288135	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	1.46	133.5	Pn	13:52:49.370	1.1	T__	---	15288136	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	1.46	133.5	Pn	13:52:49.370	1.1	T__	---	15288137	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	1.46	133.5	Pg	13:52:49.800	-0.6	T__	127.5	MLv	15288138	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.46	133.5	Sn	13:53:07.732	0.1	T__	---	15288139	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	1.46	133.5	Lg	13:53:09.870	0.5	T__	---	15288140	FDSN	RO	--	BUD	iLoc	BHE	???	_	
(Station ML : 2.4 1																	
FRGS	1.62	218.9	Pg	13:52:52.157	-1.1	T__	131.3	MLv	15288141	FDSN	SJ	--	BUD	iLoc	HHZ	HHZ	_
FRGS	1.62	218.9	Sn	13:53:11.539	-0.1	T__	---	---	15288142	FDSN	SJ	--	BUD	iLoc	HHE	???	_
(Station ML : 2.5 1																	
CJR	1.63	78.3	Lg	13:53:15.116	-0.2	T__	---	---	15288143	FDSN	RO	--	BUD	iLoc	BHE	???	_
MDVR	1.65	169.1	Pn	13:52:51.087	0.3	T__	---	---	15288144	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.65	169.1	Pn	13:52:51.087	0.3	T__	---	---	15288145	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.65	169.1	Sn	13:53:11.836	-0.4	T__	---	---	15288146	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.72	151.9	Pn	13:52:52.693	1.0	T__	---	---	15288147	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.72	151.9	Pn	13:52:52.693	1.0	T__	---	---	15288148	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.72	151.9	Sn	13:53:14.229	0.7	T__	---	---	15288149	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	1.78	328.6	Pn	13:52:53.934	1.6	T__	---	---	15288150	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	1.78	328.6	Pn	13:52:53.934	1.6	T__	---	---	15288151	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	1.78	328.6	Pn	13:52:54.712	2.3	T__	136.0	MLv	15288152	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	1.78	328.6	Sn	13:53:12.455	-2.6	T__	---	---	15288153	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 2.6 1																	
ABAH	1.89	359.3	Pg	13:52:58.532	-1.1	T__	186.7	MLv	15288154	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	1.89	359.3	Sn	13:53:17.320	0.1	T__	---	---	15288155	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 2.8 0																	
TRPA	1.93	26.1	Pg	13:52:58.671	-1.2	T__	53.7	MLv	15288156	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 2.3 1																	
LOT	1.99	117.9	Pn	13:52:55.746	-0.2	T__	---	---	15288157	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.99	117.9	Pn	13:52:55.746	-0.2	T__	---	---	15288158	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.99	117.9	Pg	13:52:59.500	-0.8	T__	0.1	---	15288159	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.99	117.9	Sn	13:53:20.332	-0.5	T__	---	---	15288160	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.99	118.0	Pg	13:52:59.878	-0.5	T__	93.5	MLv	15288161	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
LOT	1.99	118.0	Lg	13:53:26.412	-0.3	T__	---	---	15288162	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 2.6 1																	
ARR	2.57	112.7	Pn	13:53:03.438	-0.7	T__	---	---	15288163	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	2.57	112.7	Pn	13:53:03.438	-0.7	T__	---	---	15288164	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	2.57	112.7	Sn	13:53:35.079	-0.0	T__	---	---	15288165	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.81	108.8	Sn	13:53:40.755	-0.5	T__	---	---	15288166	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/17	14:40:42.90	0.50		46.4350	17.2430	0.1	0.0		18.0F	3.7	24			1.64	4.23	a	ke BEO	15268610	ISC			360
2019/02/17	14:40:45.08	0.54	1.48	46.2979	17.3126	2.5	2.4	19	6.6F	0.2	176	73	26	0.14	4.10	m	ke BUD	15289038	iLoc			40
2019/02/17	14:40:41.70			46.1100	17.1700				1.0A		11					a	ke PRU	15268608	ISC			360
2019/02/17	14:40:46.10	0.29		46.2250	17.3320	0.0	0.0		6.5F	2.1	28			0.45	2.77	a	ke RHSSO	15268617	ISC			360
2019/02/17	14:40:45.35	0.70	0.94	46.1943	17.0644	5.3	3.9	61	9.5F	2.7	30		3	1.48	2.70	a	ke VIE	15268613	ISC			360
2019/02/17	14:40:44.26		2.50	46.3110	17.2990				14.0F		0		26	0.15	4.12	a	ke BUD_DD	15331896	BUD_DD			30

(description : hypoDD analysis)

(locality : Somogyiszob Hungary)

(reference : Wéber, Czece, Süle, Bondár (2020) doi.org/10.1007/s40328-020-00311-7)

Magnitude	Err	Nsta	Author	OrigID
ML	2.4		BEO	15268610
ML	2.7	0.2	32 BUD	15289038
ML	2.4		RHSSO	15268617
mb	2.1		VIE	15268613
m1	2.0		VIE	15268613
ML	2.7	0.2	32 ILOC	15331896

Sta	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	0.15	182.6	Pg	14:40:48.820	0.5					T__		4834.8		_d_	MLv	15332030	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A264A	0.15	182.6	Lg	14:40:50.345	-0.9					T__				---		15332064	FDSN	Z3	00	BUD	BUD	HHR	???	_
(Station ML : 2.4 1																								
A263A	0.33	1.9	Pg	14:40:51.269	-0.1					T__		3844.8		_d_	MLv	15332031	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A263A	0.33	1.9	Lg	14:40:55.975	-0.3					T__				---		15332065	FDSN	Z3	00	BUD	BUD	HHZ	???	_
(Station ML : 2.8 1																								
A265A	0.36	71.5	Pg	14:40:52.498	0.6					T__		4142.4		_d_	MLv	15332032	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A265A	0.36	71.5	Lg	14:40:56.977	-0.3					T__				---		15332033	FDSN	Z3	00	BUD	BUD	HHZ	???	_
(Station ML : 2.9 1																								
BEHE	0.40	293.9	Pg	14:40:53.000	0.5					T__		0.8		---		15331898	FDSN	IR	--	ISC	BUD	???	???	_
BEHE	0.40	293.9	Pn	14:40:54.100	-1.4					T__				---		15331899	FDSN	IR	--	ISC	BUD	???	???	_
BEHE	0.40	293.9	Pb	14:40:56.100	3.5					T__		0.8		---		15331900	FDSN	IR	--	ISC	BUD	???	???	_
BEHE	0.40	293.9	Lg	14:40:57.500	-0.8					T__		0.8		---		15331902	FDSN	IR	--	ISC	BUD	???	???	_
BEHE	0.40	293.9	Lg	14:40:59.247	1.0					T__				---		15332040	FDSN	HU	--	BUD	BUD	BHE	???	_
BEHE	0.40	293.9	Sn	14:41:01.000	-1.8					T__				---		15331906	FDSN	IR	--	ISC	BUD	???	???	_
A273A	0.53	137.5	Pn	14:40:56.759	0.6					T__		11.0		---	MLv	15332041	FDSN	Z3	--	BUD	BUD	HHZ	HHZ	_
(Station ML : 0.8 0																								
KOVH	0.60	111.5	Pg	14:40:56.342	0.0					T__		358.5		---	MLv	15332034	FDSN	HU	--	BUD	BUD	BH	BHZ	_
KOVH	0.60	111.5	Pn	14:40:57.300	0.3					T__		0.4		---		15331901	FDSN	IR	--	ISC	BUD	???	???	_
KOVH	0.60	111.5	Lg	14:41:04.496	0.0					T__				---		15332020	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 2.4 0																								
KALN	0.61	253.2	Pg	14:40:56.278	-0.1					T__		515.1		_d_	MLv	15332042	FDSN	CR	--	BUD	BUD	BHZ	BHZ	_
KALN	0.61	253.2	Lg	14:41:05.240	0.2					T__				---		15331912	FDSN	IR	--	ISC	BUD	???	???	_
KALN	0.61	253.2	Sn	14:41:06.919	-0.3					T__				---		15332043	FDSN	CR	--	BUD	BUD	BHN	???	_
(Station ML : 2.6 1																								
A261A	0.65	350.9	Pn	14:40:58.608	0.8					T__		629.3		---	MLv	15332044	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A261A	0.65	350.9	Lg	14:41:06.664	0.5					T__				---		15332035	FDSN	Z3	00	BUD	BUD	HHE	???	_
(Station ML : 2.7 1																								
A266A	0.70	71.8	Pn	14:40:58.574	0.2					T__		2225.5		---	MLv	15332036	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A266A	0.70	71.8	Sn	14:41:09.155	-0.2					T__				---		15332037	FDSN	Z3	00	BUD	BUD	HHN	???	_
(Station ML : 3.2 0																								
TIH	0.72	34.6	Pg	14:40:58.100	-0.3					T__		2.6		---		15331903	FDSN	IR	--	ISC	BUD	???	???	_
TIH	0.72	34.4	Pg	14:40:58.365	-0.0					T__		2082.9		_d_	MLv	15332045	FDSN	HU	--	BUD	BUD	HH	HHZ	_
TIH	0.72	34.4	Lg	14:41:08.895	0.1					T__				---		15332021	FDSN	HU	--	BUD	BUD	HHE	???	_
(Station ML : 3.2 0																								
KOGS	0.74	281.1	Pg	14:40:58.823	0.2					T__		1801.2		---	MLv	15332010	FDSN	SL	--	BUD	BUD	BHZ	BHZ	_
KOGS	0.74	281.1	Pn	14:40:59.600	0.4					T__		1.8		---		15331904	FDSN	IR	--	ISC	BUD	???	???	_
KOGS	0.74	281.1	Sn	14:41:09.320	-0.8					T__				---		15332022	FDSN	SL	--	BUD	BUD	BHE	???	_
(Station ML : 3.2 0																								
MOSL	0.79	208.8	Pg	14:40:59.764	0.1					T__		867.2		---	MLv	15332046	FDSN	CR	--	BUD	BUD	BHZ	BHZ	_
MOSL	0.79	208.8	Pn	14:40:59.980	-0.2					T__				---		15331905	FDSN	IR	--	ISC	BUD	???	???	_
MOSL	0.79	208.8	Sn	14:41:11.510	-0.4					T__				---		15331917	FDSN	IR	--	ISC	BUD	???	???	_
MOSL	0.79	208.8	Sn	14:41:11.997	0.1					T__				---		15332047	FDSN	CR	--	BUD	BUD	BHE	???	_
(Station ML : 2.9 1																								

LOBO	0.87	260.1	Pn	14:41:01.050	-0.1	T__			15331907	FDSN	IR	--	ISC	BUD	???	???	_	
LOBO	0.87	260.1	Sn	14:41:13.260	-0.2	T__			15331920	FDSN	IR	--	ISC	BUD	???	???	_	
MPLH	0.88	10.8	Pg	14:41:01.268	-0.1	T__	360.2	---	15332016	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_	
MPLH	0.88	10.8	Pg	14:41:02.700	1.3	T__		---	15331908	FDSN	IR	--	ISC	BUD	???	???	_	
MPLH	0.88	10.8	Lg	14:41:14.700	0.7	T__	0.4	---	15331923	FDSN	IR	--	ISC	BUD	???	???	_	
MPLH	0.88	10.8	Lg	14:41:14.950	1.1	T__		---	15332066	FDSN	HU	--	BUD	BUD	BHR	???	_	
(Station ML : 2.5 1																		
MORH	0.94	95.3	Pg	14:41:02.169	-0.3	T__	43.7	---	15332017	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_	
MORH	0.94	95.4	Pg	14:41:02.900	0.5	T__		---	15331909	FDSN	IR	--	ISC	BUD	???	???	_	
MORH	0.94	95.4	Lg	14:41:15.600	-0.3	T__		---	15331925	FDSN	IR	--	ISC	BUD	???	???	_	
(Station ML : 1.7 0																		
A252A	0.96	156.1	Pg	14:41:02.960	0.2	T__	514.7	_c_ MLv	15332048	FDSN	Z3	--	BUD	BUD	BHZ	BHZ	_	
A252A	0.96	156.1	Sn	14:41:16.825	1.3	T__		---	15332049	FDSN	Z3	--	BUD	BUD	BHE	???	_	
(Station ML : 2.7 1																		
PTJ	1.01	246.9	Pg	14:41:03.798	0.5	T__	804.8	---	15332011	FDSN	CR	--	BUD	BUD	BHZ	BHZ	_	
PTJ	1.01	246.9	Pg	14:41:04.070	0.5	T__		---	15331910	FDSN	IR	--	ISC	BUD	???	???	_	
PTJ	1.01	246.9	Pb	14:41:04.200	0.6	T__		---	15331911	FDSN	IR	--	ISC	BUD	???	???	_	
PTJ	1.01	246.9	Sn	14:41:17.670	0.1	T__		---	15331929	FDSN	IR	--	ISC	BUD	???	???	_	
PTJ	1.01	246.9	Lg	14:41:18.116	0.8	T__		---	15332067	FDSN	CR	--	BUD	BUD	BHT	???	_	
(Station ML : 3.0 0																		
A267A	1.03	51.6	Pg	14:41:05.292	1.0	T__	413.5	---	15332038	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_	
A267A	1.03	51.6	Lg	14:41:19.365	-0.7	T__		---	15332050	FDSN	Z3	00	BUD	BUD	HHE	???	_	
(Station ML : 2.7 1																		
ZAG	1.03	242.5	Pg	14:41:04.906	1.2	T__	2023.1	---	15332068	FDSN	CR	--	BUD	BUD	BHZ	BHZ	_	
ZAG	1.03	242.5	Lg	14:41:18.520	0.4	T__		---	15332023	FDSN	CR	--	BUD	BUD	BHN	???	_	
ZAG	1.03	242.6	Pg	14:41:21.900	18.2	T__		---	15331938	FDSN	IR	--	ISC	BUD	???	???	_	
(Station ML : 3.4 0																		
A260A	1.05	337.5	Lg	14:41:20.191	1.7	T__		---	15332039	FDSN	Z3	00	BUD	BUD	HHN	???	_	
A021A	1.11	294.2	Sn	14:41:18.994	0.3	T__		---	15332051	FDSN	Z3	00	BUD	BUD	HHE	???	_	
EGYH	1.11	1.1	Pg	14:41:06.981	1.2	T__	340.4	---	15332018	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_	
EGYH	1.11	1.1	Pg	14:41:09.300	3.5	T__		---	15331914	FDSN	IR	--	ISC	BUD	???	???	_	
EGYH	1.11	1.1	Lg	14:41:22.418	1.2	T__		---	15332052	FDSN	HU	--	BUD	BUD	HHN	???	_	
(Station ML : 2.6 1																		
A010A	1.13	312.7	Lg	14:41:20.671	0.5	T__		---	15332069	FDSN	Z3	00	BUD	BUD	HHT	???	_	
A268A	1.20	20.7	Lg	14:41:24.816	-0.6	T__		---	15332055	FDSN	Z3	00	BUD	BUD	HHN	???	_	
GOLS	1.20	256.1	Pg	14:41:07.381	0.7	T__		---	15332053	FDSN	SL	--	BUD	BUD	BHZ	???	_	
GOLS	1.20	256.1	Lg	14:41:24.998	1.0	T__		---	15332054	FDSN	SL	--	BUD	BUD	BH1	???	_	
DOBS	1.28	263.4	Pg	14:41:08.566	0.6	T__		---	15332056	FDSN	SL	--	BUD	BUD	BHZ	???	_	
DOBS	1.28	263.4	Lg	14:41:26.748	1.3	T__		---	15332070	FDSN	SL	--	BUD	BUD	BHT	???	_	
A051A	1.33	192.1	Pn	14:41:08.300	0.6	T__		---	15331913	FDSN	IR	--	ISC	BUD	???	???	_	
A051A	1.33	192.1	Pg	14:41:08.655	-0.6	T__	412.3	_d_ MLv	15332071	FDSN	Z3	--	BUD	BUD	BH	BHZ	_	
A051A	1.33	192.1	Sn	14:41:25.700	0.6	T__		---	15331948	FDSN	IR	--	ISC	BUD	???	???	_	
A051A	1.33	192.1	Lg	14:41:28.426	1.8	T__		---	15332057	FDSN	Z3	--	BUD	BUD	BHE	???	_	
(Station ML : 2.9 1																		
CRES	1.37	249.9	Pg	14:41:10.339	0.8	T__	345.9	---	15332019	FDSN	SL	--	BUD	BUD	BHZ	BHZ	_	
CRES	1.37	249.9	Pg	14:41:13.600	4.1	T__		---	15331921	FDSN	IR	--	ISC	BUD	???	???	_	
CRES	1.37	249.9	Lg	14:41:29.700	-0.3	T__		---	15331954	FDSN	IR	--	ISC	BUD	???	???	_	
CRES	1.37	249.9	Lg	14:41:30.297	0.3	T__		---	15332024	FDSN	SL	--	BUD	BUD	BHE	???	_	
(Station ML : 2.8 1																		
A011B	1.43	320.5	Pg	14:41:11.901	0.6	T__	61.4	---	15332058	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_	
A011B	1.43	320.5	Lg	14:41:29.853	0.4	T__		---	15332059	FDSN	Z3	00	BUD	BUD	HH2	???	_	
(Station ML : 2.1 0																		
OZLJ	1.45	242.1	Pg	14:41:11.280	0.4	T__		---	15331916	FDSN	IR	--	ISC	BUD	???	???	_	

OZLJ	1.45	242.1	Lg	14:41:31.940	1.0	T__			15331963	FDSN	IR	--	ISC	BUD	???	???	_	
A003A	1.46	353.5	Pg	14:41:13.364	1.1	T__	201.4	---	MLv	15332077	FDSN	Z3	00	BUD	BUD	HH	HHZ	_
A003A	1.46	353.5	Lg	14:41:31.933	0.2	T__		---		15332060	FDSN	Z3	00	BUD	BUD	HH2	???	_
(Station ML : 2.6 1																		
SOP	1.46	340.0	Pg	14:41:12.903	0.7	T__	81.6	---	MLv	15332012	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
SOP	1.46	340.0	Pg	14:41:18.200	6.0	T__		---		15331932	FDSN	IR	--	ISC	BUD	???	???	_
SOP	1.46	340.0	Lg	14:41:31.016	-0.0	T__		---		15332025	FDSN	HU	--	BUD	BUD	BHE	???	_
(Station ML : 2.2 0																		
BLY	1.53	183.1	Pg	14:41:14.909	2.2	T__	182.4	---	MLv	15332013	FDSN	MN	--	BUD	BUD	BHZ	BHZ	_
BLY	1.53	183.1	Lg	14:41:34.916	3.0	T__		---		15332026	FDSN	MN	--	BUD	BUD	BHE	???	_
(Station ML : 2.6 1																		
ARSA	1.54	308.2	Pn	14:41:11.149	0.7	T__	0.4	0.16	---	15331915	FDSN	IR	--	ISC	BUD	???	???	_
ARSA	1.54	308.2	Pg	14:41:14.500	1.6	T__		---		15331922	FDSN	IR	--	ISC	BUD	???	???	_
ARSA	1.54	308.2	Pb	14:41:22.100	9.2	T__		---		15331941	FDSN	IR	--	ISC	BUD	???	???	_
ARSA	1.54	308.2	Lg	14:41:31.812	-0.8	T__	2.2	0.26	---	15331962	FDSN	IR	--	ISC	BUD	???	???	_
ARSA	1.54	308.2	Lg	14:41:34.238	1.6	T__		---		15332072	FDSN	OE	--	BUD	BUD	BHT	???	_
ARSA	1.54	308.2	Sg	14:41:35.600	2.9	T__		---		15331967	FDSN	IR	--	ISC	BUD	???	???	_
BLY	1.56	183.0	Pg	14:41:12.700	-0.7	T__		---		15331918	FDSN	IR	--	ISC	BUD	???	???	_
BLY	1.56	183.0	Pb	14:41:12.900	-0.5	T__		---		15331919	FDSN	IR	--	ISC	BUD	???	???	_
BLY	1.56	183.0	Pn	14:41:18.500	7.7	T__		---		15331933	FDSN	IR	--	ISC	BUD	???	???	_
BLY	1.56	183.0	Lg	14:41:33.000	-0.1	T__		---		15331964	FDSN	IR	--	ISC	BUD	???	???	_
BLY	1.56	183.0	Sg	14:41:35.200	2.1	T__		---		15331966	FDSN	IR	--	ISC	BUD	???	???	_
BOJS	1.64	241.3	Pg	14:41:15.000	0.9	T__		---		15331924	FDSN	IR	--	ISC	BUD	???	???	_
BOJS	1.64	241.3	Lg	14:41:36.400	-0.7	T__		---		15331968	FDSN	IR	--	ISC	BUD	???	???	_
SRO	1.66	24.4	Pg	14:41:17.019	0.5	T__	494.7	---	MLv	15332029	FDSN	SK	--	BUD	BUD	EHZ	EHZ	_
(Station ML : 3.1 0																		
BUD	1.67	44.6	Pg	14:41:16.182	-1.4	T__	131.8	---	MLv	15332014	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
BUD	1.67	44.6	Pg	14:41:16.500	-1.0	T__		---		15331927	FDSN	IR	--	ISC	BUD	???	???	_
BUD	1.67	44.6	Lg	14:41:37.613	-4.2	T__		---		15332027	FDSN	HU	--	BUD	BUD	BHE	???	_
(Station ML : 2.5 1																		
A012A	1.75	318.4	Lg	14:41:39.318	-0.1	T__		---		15332073	FDSN	Z3	00	BUD	BUD	HHT	???	_
PLIT	1.85	220.0	Pg	14:41:17.850	-0.2	T__		---		15331931	FDSN	IR	--	ISC	BUD	???	???	_
CONA	1.89	329.3	Pg	14:41:17.828	-2.2	T__	0.1	0.14	---	15331930	FDSN	IR	--	ISC	BUD	???	???	_
CONA	1.89	329.3	Pg	14:41:19.736	-0.3	T__	75.0	---	MLv	15332015	FDSN	OE	--	BUD	BUD	BHZ	BHZ	_
CONA	1.89	329.3	Pb	14:41:24.500	4.4	T__		---		15331943	FDSN	IR	--	ISC	BUD	???	???	_
CONA	1.89	329.3	Lg	14:41:48.249	4.1	T__	6.2	0.56	---	15331984	FDSN	IR	--	ISC	BUD	???	???	_
(Station ML : 2.4 1																		
A050A	1.91	196.8	Pn	14:41:17.423	1.4	T__	108.3	---	MLv	15332061	FDSN	Z3	--	BUD	BUD	BHZ	BHZ	_
A050A	1.91	196.8	Pn	14:41:17.600	1.6	T__		---		15331928	FDSN	IR	--	ISC	BUD	???	???	_
A050A	1.91	196.8	Sn	14:41:41.200	1.2	T__		---		15331973	FDSN	IR	--	ISC	BUD	???	???	_
(Station ML : 2.6 1																		
OBKA	1.91	276.9	Pn	14:41:15.635	-0.4	T__	0.2	0.16	---	15331926	FDSN	IR	--	ISC	BUD	???	???	_
OBKA	1.91	276.9	Pg	14:41:20.100	1.2	T__		---		15331936	FDSN	IR	--	ISC	BUD	???	???	_
OBKA	1.91	276.9	Lg	14:41:44.600	-0.4	T__		---		15331979	FDSN	IR	--	ISC	BUD	???	???	_
OBKA	1.91	276.9	Lg	14:41:45.800	0.8	T__		---		15332028	FDSN	OE	--	BUD	BUD	BHE	???	_
A026A	1.99	289.2	Pn	14:41:17.397	0.4	T__	79.6	---	MLv	15332062	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 2.5 1																		
CEY	2.08	255.1	Pg	14:41:21.900	0.4	T__		---		15331939	FDSN	IR	--	ISC	BUD	???	???	_
CEY	2.08	255.1	Sn	14:41:47.100	3.9	T__		---		15331981	FDSN	IR	--	ISC	BUD	???	???	_
UDBI	2.09	211.8	Pn	14:41:19.790	1.3	T__		---		15331935	FDSN	IR	--	ISC	BUD	???	???	_
UDBI	2.09	211.8	Sn	14:41:47.120	2.7	T__		---		15331983	FDSN	IR	--	ISC	BUD	???	???	_
FRGS	2.10	122.4	Pn	14:41:19.600	1.7	T__		---		15331934	FDSN	IR	--	ISC	BUD	???	???	_
FRGS	2.10	122.4	Pg	14:41:20.700	-2.1	T__		---		15331937	FDSN	IR	--	ISC	BUD	???	???	_

FRGS	2.10	122.4	Sn	14:41:44.200	0.3	T__			15331978	FDSN	IR	--	ISC	BUD	???	???	-
FRGS	2.10	122.4	Lg	14:41:46.200	-10.1	T__			15331980	FDSN	IR	--	ISC	BUD	???	???	-
TEKS	2.36	137.5	Pn	14:41:22.700	1.1	T__			15331942	FDSN	IR	--	ISC	BUD	???	???	-
TEKS	2.36	137.5	Pg	14:41:24.600	-2.6	T__			15331945	FDSN	IR	--	ISC	BUD	???	???	-
TEKS	2.36	137.5	Sn	14:41:52.000	2.1	T__			15331985	FDSN	IR	--	ISC	BUD	???	???	-
KIJV	2.39	195.7	Pn	14:41:25.020	2.3	T__			15331947	FDSN	IR	--	ISC	BUD	???	???	-
KIJV	2.39	195.7	Sn	14:41:53.610	1.6	T__			15331987	FDSN	IR	--	ISC	BUD	???	???	-
SKDS	2.42	252.7	Pg	14:41:26.600	-0.5	T__			15331950	FDSN	IR	--	ISC	BUD	???	???	-
SKDS	2.42	252.7	Sn	14:41:56.000	4.7	T__			15331990	FDSN	IR	--	ISC	BUD	???	???	-
VYHS	2.42	25.0	Pn	14:41:23.940	1.5	T__	14.0	MLv	15332074	FDSN	SK	--	BUD	BUD	HHZ	HHZ	-
VYHS	2.42	25.0	Pg	14:41:31.733	1.0	T__			15332075	FDSN	SK	--	BUD	BUD	HHZ	???	-
VYHS	2.42	25.0	Pg	14:41:34.200	3.5	T__			15331965	FDSN	IR	--	ISC	BUD	???	???	-
(Station ML : 2.0 0)																	
NVLJ	2.44	225.2	Pn	14:41:24.810	1.8	T__			15331946	FDSN	IR	--	ISC	BUD	???	???	-
NVLJ	2.44	225.2	Sn	14:41:53.890	1.6	T__			15331988	FDSN	IR	--	ISC	BUD	???	???	-
HAPS	2.51	151.7	Pn	14:41:24.500	0.4	T__			15331944	FDSN	IR	--	ISC	BUD	???	???	-
HAPS	2.51	151.7	Sn	14:41:55.600	1.7	T__			15331989	FDSN	IR	--	ISC	BUD	???	???	-
MYKA	2.55	278.5	Lg	14:42:05.702	1.8	T__	0.8	0.30	15332000	FDSN	IR	--	ISC	BUD	???	???	-
VIRC	2.57	218.9	Pn	14:41:26.860	2.1	T__			15331951	FDSN	IR	--	ISC	BUD	???	???	-
VIRC	2.57	218.9	Sn	14:41:57.030	1.4	T__			15331991	FDSN	IR	--	ISC	BUD	???	???	-
MOA	2.58	307.7	Pn	14:41:22.000	-3.1	T__			15331940	FDSN	IR	--	ISC	BUD	???	???	-
MOA	2.58	307.7	Pg	14:41:26.372	-5.1	T__	0.4	0.12	15331949	FDSN	IR	--	ISC	BUD	???	???	-
MOA	2.58	307.7	Sn	14:41:52.400	-2.8	T__			15331986	FDSN	IR	--	ISC	BUD	???	???	-
MOA	2.58	307.7	Lg	14:41:57.066	-7.9	T__	1.2	0.34	15331992	FDSN	IR	--	ISC	BUD	???	???	-
A029A	2.67	296.0	Pn	14:41:28.875	2.2	T__	51.2	MLv	15332076	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	-
(Station ML : 2.7 1)																	
MORI	2.69	205.3	Pn	14:41:29.040	2.2	T__			15331953	FDSN	IR	--	ISC	BUD	???	???	-
MORI	2.69	205.3	Sn	14:42:00.950	1.2	T__			15331994	FDSN	IR	--	ISC	BUD	???	???	-
DUGI	2.81	215.2	Pn	14:41:30.910	2.6	T__			15331958	FDSN	IR	--	ISC	BUD	???	???	-
DUGI	2.81	215.2	Sn	14:42:04.160	1.6	T__			15331997	FDSN	IR	--	ISC	BUD	???	???	-
KRUC	2.82	347.8	Pn	14:41:29.039	1.1	T__	64.4	MLv	15332063	FDSN	CZ	--	BUD	BUD	BHZ	BHZ	-
KRUC	2.82	347.8	Sn	14:42:00.700	-0.3	T__			15331993	FDSN	IR	--	ISC	BUD	???	???	-
(Station ML : 2.9 1)																	
RICI	2.82	182.5	Pn	14:41:31.740	3.1	T__			15331960	FDSN	IR	--	ISC	BUD	???	???	-
RICI	2.82	182.5	Sn	14:42:05.370	2.8	T__			15331999	FDSN	IR	--	ISC	BUD	???	???	-
KBA	2.83	287.2	Pn	14:41:28.782	-0.4	T__	0.2	0.20	15331952	FDSN	IR	--	ISC	BUD	???	???	-
KBA	2.83	287.2	Sn	14:42:03.367	1.1	T__	1.2	0.28	15331995	FDSN	IR	--	ISC	BUD	???	???	-
BBLs	2.86	147.9	Pn	14:41:30.300	1.4	T__			15331955	FDSN	IR	--	ISC	BUD	???	???	-
BBLs	2.86	147.9	Pn	14:41:30.300	1.4	T__	0.2		15331956	FDSN	IR	--	ISC	BUD	???	???	-
BBLs	2.86	147.9	Sn	14:42:04.700	2.4	T__			15331998	FDSN	IR	--	ISC	BUD	???	???	-
BRJN	2.86	241.8	Pn	14:41:31.400	2.9	T__			15331959	FDSN	IR	--	ISC	BUD	???	???	-
BRJN	2.86	241.8	Sn	14:42:03.500	1.0	T__			15331996	FDSN	IR	--	ISC	BUD	???	???	-
ZIRJ	2.90	204.4	Pg	14:41:37.630	0.6	T__			15331971	FDSN	IR	--	ISC	BUD	???	???	-
ZIRJ	2.90	204.4	Sn	14:42:06.280	1.0	T__			15332001	FDSN	IR	--	ISC	BUD	???	???	-
DIVS	2.92	138.3	Pn	14:41:30.900	1.3	T__			15331957	FDSN	IR	--	ISC	BUD	???	???	-
DIVS	2.92	138.3	Sn	14:42:06.600	2.6	T__			15332002	FDSN	IR	--	ISC	BUD	???	???	-
TRUS	3.03	132.5	Pn	14:41:31.800	1.0	T__			15331961	FDSN	IR	--	ISC	BUD	???	???	-
HVAR	3.19	191.2	Pg	14:41:41.640	-0.6	T__			15331975	FDSN	IR	--	ISC	BUD	???	???	-
HVAR	3.19	191.2	Sn	14:42:14.440	1.8	T__			15332003	FDSN	IR	--	ISC	BUD	???	???	-
IVAS	3.40	142.4	Pn	14:41:37.200	0.8	T__			15331970	FDSN	IR	--	ISC	BUD	???	???	-
IVAS	3.40	142.4	Sn	14:42:17.100	1.7	T__			15332004	FDSN	IR	--	ISC	BUD	???	???	-
GRUS	3.42	133.8	Pn	14:41:36.400	0.0	T__			15331969	FDSN	IR	--	ISC	BUD	???	???	-
GRUS	3.42	133.8	Sn	14:42:18.500	2.9	T__			15332005	FDSN	IR	--	ISC	BUD	???	???	-

MORC	3.47	2.6	Pn	14:41:38.000	0.8	T__	---	15331972	FDSN	IR	--	ISC	BUD	???	???	_
GOCS	3.74	136.0	Pn	14:41:41.300	0.1	T__	---	15331974	FDSN	IR	--	ISC	BUD	???	???	_
GOCS	3.74	136.0	Sn	14:42:25.100	1.3	T__	---	15332006	FDSN	IR	--	ISC	BUD	???	???	_
KHC	3.78	319.7	Pn	14:41:43.300	2.1	T__	---	15331977	FDSN	IR	--	ISC	BUD	???	???	_
KHC	3.78	319.7	Sn	14:42:26.400	1.2	T__	---	15332007	FDSN	IR	--	ISC	BUD	???	???	_
KHC	3.78	319.7	Lg	14:42:45.500	3.1	T__	---	15332009	FDSN	IR	--	ISC	BUD	???	???	_
KRLC	3.78	354.9	Pn	14:41:43.000	1.5	T__	---	15331976	FDSN	IR	--	ISC	BUD	???	???	_
SELS	4.12	137.3	Pn	14:41:47.100	0.8	T__	---	15331982	FDSN	IR	--	ISC	BUD	???	???	_
SELS	4.12	137.3	Sn	14:42:34.000	1.3	T__	---	15332008	FDSN	IR	--	ISC	BUD	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/17	15:03:50.54	0.77	0.78	46.3106	17.3070	5.5	3.0	174	10.6F	3.6	33	18	67	0.15	1.38	m	ke BUD	15289367	iLoc			79
2019/02/17	15:03:49.92		2.39	46.3120	17.3020				13.1F		0		60	0.15	5.08	a	ke BUD_DD	15332081	BUD_DD			70

(description : hypoDD analysis)

(locality : Somogyszob Hungary)

(reference : Wéber, Czece, Süle, Bondár (2020) doi.org/10.1007/s40328-020-00311-7)

Magnitude	Err	Nsta	Author	OrigID
ML	2.2	0.1	9 BUD	15289367
ML	2.2	0.1	9 ILOC	15332081

Sta	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	0.15	183.3	Pg	15:03:54.399	0.5					T__		640.5		_d	MLv	15332099	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A264A	0.15	183.3	Lg	15:03:55.831	-1.0					T__				---		15332113	FDSN	Z3	00	BUD	BUD	HHR	???	_
(Station ML : 1.5 1																								
A263A	0.33	1.5	Lg	15:04:01.487	-0.4					T__				---		15332114	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A265A	0.36	71.6	Pg	15:03:58.077	0.6					T__		615.8		_d	MLv	15332100	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A265A	0.36	71.6	Lg	15:04:02.566	-0.2					T__				---		15332101	FDSN	Z3	00	BUD	BUD	HHZ	???	_
(Station ML : 2.1 1																								
BEHE	0.40	293.7	Pg	15:03:59.200	1.0					T__		0.2		---		15332083	FDSN	IR	--	ISC	BUD	???	???	_
BEHE	0.40	293.7	Lg	15:04:04.675	0.7					T__				---		15332104	FDSN	HU	--	BUD	BUD	BHE	???	_
BEHE	0.40	293.7	Lg	15:04:05.000	1.1					T__		0.2		---		15332085	FDSN	IR	--	ISC	BUD	???	???	_
A273A	0.53	137.7	Pn	15:04:03.084	1.2					T__		5.0		---	MLv	15332102	FDSN	Z3	--	BUD	BUD	HHZ	HHZ	_
(Station ML : 0.5 0																								
KOVH	0.60	111.7	Pn	15:04:03.190	0.5					T__		233.7		---	MLv	15332116	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.60	111.7	Lg	15:04:09.759	-0.3					T__				---		15332093	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 2.2 1																								
KALN	0.61	253.2	Pg	15:04:01.990	-0.2					T__				---		15332084	FDSN	IR	--	ISC	BUD	???	???	_
KALN	0.61	253.2	Sn	15:04:12.240	-1.2					T__				---		15332089	FDSN	IR	--	ISC	BUD	???	???	_
KALN	0.61	253.2	Sn	15:04:12.703	-0.4					T__				---		15332115	FDSN	CR	--	BUD	BUD	BHR	???	_
A266A	0.70	71.9	Pn	15:04:04.332	0.2					T__		492.3		---	MLv	15332103	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 2.6 0																								
KOGS	0.74	281.0	Lg	15:04:14.842	0.7					T__				---		15332094	FDSN	SL	--	BUD	BUD	BHN	???	_
MOSL	0.80	208.9	Pg	15:04:05.549	0.1					T__		135.0		---	MLv	15332106	FDSN	CR	--	BUD	BUD	BHZ	BHZ	_
MOSL	0.80	208.9	Sn	15:04:17.560	-0.2					T__				---		15332105	FDSN	CR	--	BUD	BUD	BHE	???	_
(Station ML : 2.1 1																								
LOB0	0.87	260.1	Pg	15:04:06.630	0.1					T__				---		15332086	FDSN	IR	--	ISC	BUD	???	???	_
LOB0	0.87	260.1	Sn	15:04:19.120	-0.2					T__				---		15332090	FDSN	IR	--	ISC	BUD	???	???	_
MPLH	0.87	10.7	Lg	15:04:21.488	2.1					T__				---		15332096	FDSN	HU	--	BUD	BUD	BHE	???	_
MORH	0.94	95.4	Lg	15:04:21.817	0.3					T__				---		15332095	FDSN	HU	--	BUD	BUD	BHN	???	_
A252A	0.96	156.3	Pg	15:04:08.555	0.1					T__		156.6		---	MLv	15332109	FDSN	Z3	--	BUD	BUD	BHZ	BHZ	_

A252A	0.96	156.3	Sn	15:04:22.500	1.2	T__	---	15332107	FDSN	Z3	--	BUD	BUD	BHN	???	_	
(Station ML : 2.2 1																	
PTJ	1.01	246.9	Pg	15:04:09.834	0.9	T__	163.5	---	MLv	15332110	FDSN	CR	--	BUD	BUD	BHZ BHZ	_
PTJ	1.01	246.9	Pg	15:04:09.940	0.7	T__	---	15332087	FDSN	IR	--	ISC	BUD	???	???	_	
PTJ	1.01	246.9	Pb	15:04:10.500	1.2	T__	0.2	---	15332088	FDSN	IR	--	ISC	BUD	???	???	_
PTJ	1.01	246.9	Lg	15:04:23.900	0.1	T__	---	15332091	FDSN	IR	--	ISC	BUD	???	???	_	
PTJ	1.01	246.9	Lg	15:04:24.122	1.1	T__	---	15332097	FDSN	CR	--	BUD	BUD	BHN	???	_	
(Station ML : 2.3 1																	
DOBS	1.28	263.4	Pg	15:04:14.511	0.9	T__	---	15332111	FDSN	SL	--	BUD	BUD	BHZ	???	_	
A051A	1.33	192.2	Pg	15:04:16.059	1.1	T__	113.3	---	MLv	15332112	FDSN	Z3	--	BUD	BUD	BHZ BHZ	_
A051A	1.33	192.2	Lg	15:04:34.063	1.7	T__	---	15332108	FDSN	Z3	--	BUD	BUD	BHE	???	_	
(Station ML : 2.3 1																	
CHES	1.37	249.9	Lg	15:04:35.275	1.0	T__	---	15332098	FDSN	SL	--	BUD	BUD	BHN	???	_	
BRG	5.08	335.2	Sn	15:06:14.000	13.1	T__	---	15332092	FDSN	IR	--	ISC	BUD	???	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/18	09:07:21.18	1.06	1.08	47.5324	18.5022	7.5	3.5	122	0.0S	8	6	157	0.13	1.02	m	sx	BUD	15288646	iLoc		211	
(description : suspected quarry blast)																						
(locality : Tatabánya Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.4	3 ILOC	15288646

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A269A	0.13	322.7	Pg	09:07:24.289	-0.1					T__		2283.8		---	MLv	15288648	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.0 1																								
CSKK	0.24	224.2	Pg	09:07:26.545	0.1					T__		288.3		---	MLv	15288649	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.24	224.2	Lg	09:07:29.375	-1.7					T__				---		15288650	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.4 1																								
A268A	0.41	255.7	Lg	09:07:38.158	1.5					T__				---		15288651	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MPLH	0.75	241.4	Lg	09:07:47.420	0.1					T__				---		15288652	FDSN	HU	--	BUD	iLoc	BHE	???	_
VYHS	0.99	13.0	Pg	09:07:41.245	0.0					T__		13.1		---	MLv	15288653	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.99	13.0	Lg	09:07:55.173	-0.6					T__				---		15288654	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.2 1																								
PSZ	1.02	67.1	Lg	09:07:58.603	0.7					T__				---		15288655	FDSN	GE	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/19	09:47:29.01	2.35	0.74	47.3684	18.4167	19.1	4.8	133	0.0S	7	6	148	0.11	1.16	m	sx	BUD	15288669	iLoc		227	
(description : suspected quarry blast)																						
(locality : Gánt Hungary)																						

Magnitude	Err	Nsta	Author	OrigID

Sta	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	267.3	Pg	09:47:32.134	0.4					T__		2010.4		---	MLv	15288671	FDSN	HU	--	BUD	iLoc	HHE	HHZ	_
CSKK	0.11	267.3	Lg	09:47:33.636	-0.8					T__				---		15288672	FDSN	HU	--	BUD	iLoc	HHN	???	_
A269A	0.27	355.1	Lg	09:47:40.161	0.1					T__				---		15288673	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MPLH	0.63	252.0	Lg	09:47:51.063	-0.3					T__				---		15288674	FDSN	HU	--	BUD	iLoc	BHE	???	_

A336A	0.95	24.2	Lg	09:48:01.992	-1.1	T__	---	15288675	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VYHS	1.16	13.9	Lg	09:48:09.622	0.2	T__	---	15288676	FDSN	SK	--	BUD	iLoc	HHN	???	_
MORH	1.16	172.2	Sn	09:48:09.142	0.3	T__	---	15288677	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/19	09:48:15.03	1.93	1.02	46.2780	18.2130	17.9	4.9	151	0.0S	6	4	111	0.21	1.23	m	kx	BUD	15288682	iLoc			212
2019/02/19	09:48:16.03f		1.74	46.1765	18.2926f				0.0S	6		155	0.16	1.28	a	kx	BUD_GT	15327483	BUD			247

(GT info : GT2 explosion)

(description : known quarry blast)

(locality : Koml6-II Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.7	4 BUD	15288682
ML	1.5	0.8	4 ILOC	15327483

Sta	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	236.7	Pg	09:48:20.109	0.2					T__		196.3		---	MLv	15329167	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.16	236.7	Lg	09:48:22.926	-0.1					T__				---		15329168	FDSN	HU	--	BUD	BUD	BHE	???	_
(Station ML : 1.0 1																								
MORH	0.25	80.7	Pg	09:48:22.125	0.6					T__		20.0		---	MLv	15329169	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.25	80.7	Lg	09:48:26.046	0.1					T__				---		15329170	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 0.3 1																								
A268A	1.28	348.7	Pn	09:48:36.109	-3.9					T__		92.3		---	MLv	15329171	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 2.2 1																								
KALN	1.28	268.6	Pn	09:48:38.487	-1.7					T__		53.3		---	MLv	15329172	FDSN	CR	--	BUD	BUD	BHZ	BHZ	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/19	10:06:26.06	0.88	0.76	48.5273	20.7885	6.0	4.4	156	0.0S	17	10	97	0.21	1.31	m	sx	BUD	15288724	iLoc			129
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.3	8 ILOC	15288724

Sta	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	257.8	Pg	10:06:30.067	-0.3					T__		2999.8		---	MLv	15288726	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.21	257.8	Lg	10:06:33.924	0.1					T__				---		15288727	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 2.4 0																								
ABAH	0.38	127.4	Pg	10:06:34.252	0.3					T__		113.6		---	MLv	15288728	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.38	127.4	Lg	10:06:40.435	-0.1					T__				---		15288729	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.4 1																								
PSZ	0.85	224.8	Pn	10:06:44.586	0.2					T__		87.5		---	MLv	15288730	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.85	224.8	Lg	10:06:56.998	0.1					T__				---		15288731	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.9 1																								
STHS	0.94	18.4	Pg	10:06:43.732	0.2					T__		106.5		---	MLv	15288732	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
STHS	0.94	18.4	Lg	10:06:56.716	-0.7					T__				---		15288733	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 2.0 1																								
NIE	0.95	340.8	Pn	10:06:46.109	0.3					T__		52.9		---	MLv	15288734	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_

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(Station ML : 1.7 1
HOLU 1.06 89.4 Pg 10:06:46.540 0.2 T__
A336A 1.23 256.8 Pg 10:06:50.689 -0.1 T__ 109.8 --- MLv 15288735 FDSN UA -- BUD iLoc MHZ ??? _
A336A 1.23 256.8 Sn 10:07:07.376 -0.5 T__ --- 15288737 FDSN Z3 00 BUD iLoc HHZ HHZ _
(Station ML : 2.2 1
TRPA 1.23 108.1 Pg 10:06:49.856 0.0 T__ 29.6 --- MLv 15288738 FDSN HU -- BUD iLoc BHZ BHZ _
TRPA 1.23 108.1 Sn 10:07:06.274 -2.0 T__ --- 15288739 FDSN HU -- BUD iLoc BHN ??? _
(Station ML : 1.7 1
VYHS 1.30 269.3 Pn 10:06:50.697 0.1 T__ 15.2 --- MLv 15288740 FDSN SK -- BUD iLoc HHZ HHZ _
VYHS 1.30 269.3 Sn 10:07:08.366 -1.7 T__ --- 15288741 FDSN SK -- BUD iLoc HHN ??? _
(Station ML : 1.4 0
STZU 1.31 67.3 Pg 10:06:51.194 0.3 T__ --- 15288742 FDSN UA -- BUD iLoc MHZ ??? _

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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
2019/02/19	10:22:05.50	3.50	0.47	47.2656	18.3056	25.8	5.5	118	0.0S		7	3	243	0.10	1.28	m	kx BUD	15288776	iLoc			326
2019/02/19	10:22:06.37	1.97	0.57	47.2238	18.2587				0.0F	0.0	4		247	0.14	1.33	a	ke KRSZO	15268885	ISC			360
2019/02/19	10:22:05.14f		0.84	47.2302	18.2835f				0.0S		7		247	0.13	1.32	a	kx BUD_GT	15327489	BUD			337

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

Magnitude	Err	Nsta	Author	OrigID
M	1.7		KRSZO	15268885
MLv	1.7		KRSZO	15268885

Sta	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	10:22:08.200	-0.3					T__		2.2				15329173	FDSN	IR	--	ISC	BUD	???	???	_
CSKK	0.13	353.4	Pg	10:22:08.394	-0.1					T__		218.5			MLv	15329175	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.13	353.3	Lg	10:22:10.200	-1.4					T__		2.2				15329174	FDSN	IR	--	ISC	BUD	???	???	_
CSKK	0.13	353.4	Lg	10:22:11.076	-0.5					T__						15329176	FDSN	HU	--	BUD	BUD	HHN	???	_
MPLH	0.51	263.5	Pg	10:22:16.183	0.5					T__		63.1			MLv	15329177	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MPLH	0.51	263.5	Lg	10:22:25.146	1.5					T__						15329178	FDSN	HU	--	BUD	BUD	BHN	???	_
VYHS	1.32	16.2	Sn	10:22:49.253	-0.4					T__						15329179	FDSN	SK	--	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/20	10:11:51.05	1.21	0.88	45.9530	16.1461	9.7	5.6	157	4.5F	27.5	8	6	154	0.13	1.37	m	ke BUD	15288795	iLoc			188

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	0.13	249.9	Pg	10:11:53.670	-0.2					T__		247.7			MLv	15288797	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.13	249.9	Lg	10:11:55.643	-0.4					T__						15288798	FDSN	CR	--	BUD	iLoc	BHE	???	_
ZAG	0.17	221.5	Lg	10:11:57.890	0.7					T__						15288799	FDSN	CR	--	BUD	iLoc	BHE	???	_
KALN	0.28	50.3	Lg	10:12:01.355	0.5					T__						15288800	FDSN	CR	--	BUD	iLoc	BHZ	???	_
CRES	0.50	255.5	Pg	10:12:01.105	0.3					T__						15288801	FDSN	SL	--	BUD	iLoc	BHZ	???	_
CRES	0.50	255.5	Lg	10:12:07.865	-0.2					T__						15288802	FDSN	SL	--	BUD	iLoc	BHN	???	_
MOSL	0.54	128.4	Lg	10:12:09.008	-0.3					T__						15288803	FDSN	CR	--	BUD	iLoc	BHE	???	_
KOVH	1.37	83.6	Lg	10:12:33.893	-1.4					T__						15288804	FDSN	HU	--	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
2019/02/21	09:17:19.68	0.86	0.77	48.6601	19.9081	4.6	3.5	165	0.0S	15	9	98	0.42	1.56	m	sx	BUD	15289443	iLoc			120
(description : suspected quarry blast)																						
(locality : Tisovec Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.2	6 ILOC	15289443

Sta	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	114.6	Pg	09:17:28.458	0.2					T__		181.1		---	MLv	15289445	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.42	114.6	Lg	09:17:34.167	-0.5					T__				---		15289446	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 1.7 1																								
VYHS	0.73	257.3	Pg	09:17:34.878	0.4					T__		13.3		---	MLv	15289447	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.73	257.3	Lg	09:17:44.792	-0.4					T__				---		15289448	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.0 0																								
A336A	0.74	235.1	Lg	09:17:46.312	0.3					T__				---		15289449	FDSN	Z3	00	BUD	iLoc	HH3	???	_
PSZ	0.74	180.7	Pg	09:17:35.656	0.2					T__		68.6		---	MLv	15289450	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.74	180.7	Lg	09:17:46.457	-0.2					T__				---		15289451	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.7 1																								
NIE	0.80	19.2	Pg	09:17:35.271	0.4					T__		34.8		---	MLv	15289452	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.80	19.2	Lg	09:17:45.505	-0.8					T__				---		15289453	FDSN	PL	--	BUD	iLoc	BHE	???	_
(Station ML : 1.5 1																								
ABAH	0.96	111.9	Pn	09:17:40.568	1.4					T__		87.8		---	MLv	15289454	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.96	111.9	Lg	09:17:52.191	-0.9					T__				---		15289455	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 2.0 1																								
A335A	1.07	259.0	Lg	09:17:55.747	-1.5					T__				---		15289456	FDSN	Z3	00	BUD	iLoc	HHE	???	_
STHS	1.16	48.7	Pn	09:17:42.451	-0.0					T__		79.8		---	MLv	15289457	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
STHS	1.16	48.7	Lg	09:17:58.445	0.3					T__				---		15289458	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 2.0 0																								
OJC	1.56	357.4	Sn	09:18:11.244	0.7					T__				---		15289459	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
2019/02/21	09:32:14.09	0.65	0.82	48.6487	20.8080				0.0F	0.0	9	209	0.27	1.32	a	kx	KRSZO	15268895	ISC			360
2019/02/21	09:32:14.23	1.05	0.76	48.5255	20.7724	10.7	3.5	2	0.0S	14	8	158	0.20	1.32	m	sx	BUD	15289485	iLoc			179
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.6		KRSZO	15268895
MLv	1.6		KRSZO	15268895
ML	1.5	0.2	5 ILOC	15289485

Sta	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	0.20	257.6	Pg	09:32:18.203	-0.2					T__		680.2		---	MLv	15289487	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.20	257.6	Lg	09:32:21.200	-0.4					T__		0.7		---		15289488	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	0.20	257.6	Lg	09:32:22.521	0.9					T__				---		15289489	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 1.7 1																								

ABAH	0.39	126.2	Pg	09:32:22.253	0.0	T__	91.5	---	MLv	15289490	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.39	126.2	Lg	09:32:28.956	-0.0	T__		---		15289491	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.3 1																		
PSZ	0.84	224.4	Pg	09:32:32.127	0.0	T__	65.9	---	MLv	15289492	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.84	224.4	Sn	09:32:46.373	-0.8	T__		---		15289493	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.8 0																		
HOLU	1.07	89.3	Pg	09:32:34.438	-0.3	T__		---		15289494	FDSN	UA	--	BUD	iLoc	MHZ	???	_
A336A	1.22	256.8	Sn	09:32:56.319	0.5	T__		---		15289495	FDSN	Z3	00	BUD	iLoc	HH3	???	_
TRPA	1.24	107.9	Pn	09:32:37.785	0.0	T__	21.4	---	MLv	15289496	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
TRPA	1.24	107.9	Sn	09:32:54.965	-1.7	T__		---		15289497	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.5 1																		
VYHS	1.29	269.3	Pn	09:32:38.749	0.1	T__	9.4	---	MLv	15289498	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.29	269.3	Sn	09:32:56.736	-1.2	T__		---		15289499	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.2 0																		
STZU	1.32	67.4	Pg	09:32:39.478	0.2	T__		---		15289500	FDSN	UA	--	BUD	iLoc	MHZ	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/21	09:54:55.63	0.85	0.91	47.8547	19.1579	4.6	3.5	163	0.0S		12	7	111	0.09	1.29	m	kx	BUD	15289523	iLoc		209
2019/02/21	09:54:53.32	1.80	2.76	47.8328	19.0976	5.9	5.1	80	0.0A		5		264	0.54	0.68	a	ke	KRSZO	15268902	ISC		360
2019/02/21	09:54:55.64f		1.04	47.8355	19.1270f				0.0S		12		110	0.07	1.27	a	kx	BUD_GT	15327497	BUD		203

(GT info : GT2 explosion)
 (description : known quarry blast)
 (locality : Sejce-Vác Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.4	5 BUD	15289523
ML	1.6	0.1	5 ILOC	15327497

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A270A	0.07	277.6	Pg	09:54:57.770	0.1					T__		3196.5		---	MLv	15329180	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A270A	0.07	277.6	Lg	09:54:58.622	-0.9					T__				---		15329181	FDSN	Z3	00	BUD	BUD	HHE	???	_
(Station ML : 2.0 0																								
BUD	0.36	191.2	Pn	09:55:08.835	0.7					T__		13.9		---		15329182	FDSN	IR	--	ISC	BUD	???	???	_
A336A	0.41	347.9	Pg	09:55:03.919	-0.2					T__		144.9		---	MLv	15329183	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A336A	0.41	347.9	Lg	09:55:09.479	-1.2					T__				---		15329184	FDSN	Z3	00	BUD	BUD	HH2	???	_
(Station ML : 1.6 1																								
PSZ	0.52	80.6	Pg	09:55:06.331	-0.7					T__		60.0		---	MLv	15329185	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.52	80.6	Lg	09:55:14.084	-1.4					T__				---		15329186	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.5 1																								
VYHS	0.69	343.6	Pg	09:55:09.864	0.2					T__		12.4		---	MLv	15329187	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
VYHS	0.69	343.6	Lg	09:55:19.435	-0.5					T__				---		15329188	FDSN	SK	--	BUD	BUD	HHN	???	_
(Station ML : 1.0 0																								
A335A	0.81	319.4	Pn	09:55:13.583	0.2					T__		71.7		---	MLv	15329189	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A335A	0.81	319.4	Lg	09:55:24.919	0.2					T__				---		15329190	FDSN	Z3	00	BUD	BUD	HHE	???	_
(Station ML : 1.8 1																								
MPLH	1.27	238.8	Lg	09:55:41.488	2.7					T__				---		15329191	FDSN	HU	--	BUD	BUD	HHE	???	_

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

2019/02/21 10:18:02.77 0.23 0.30 46.9631 22.2239 1.6 0.9 135 2.2F 1.1 30 200 0.37 2.48 a ke BUC 15268907 ISC 360
 2019/02/21 10:18:02.45 1.04 0.75 46.9816 22.2395 7.3 4.2 145 0.0S 63 17 123 0.38 2.49 m sx BUD 15289559 iLoc 160
 (description : suspected quarry blast)
 (locality : Tetchea Romania)

Magnitude Err Nsta Author OrigID
 ml 2.2 BUC 15268907
 ML 2.2 0.2 10 ILOC 15289559

Sta	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	0.38	120.3	Pg	10:18:10.217	0.0					T__		477.9		---	MLv	15289561	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.38	120.3	Lg	10:18:15.939	-0.5					T__				---		15289562	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.38	120.3	Pg	10:18:10.477	0.3					T__				---		15289563	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.38	120.3	Pg	10:18:10.477	0.3					T__				---		15289564	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.38	120.3	Lg	10:18:15.269	-1.2					T__				---		15289565	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.0 1																								
MARR	0.68	116.5	Pg	10:18:15.992	-0.0					T__				---		15289566	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.68	116.5	Pg	10:18:15.992	-0.0					T__				---		15289567	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.68	116.5	Lg	10:18:25.472	-1.2					T__				---		15289568	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.82	209.4	Pg	10:18:18.342	-0.7					T__				---		15289569	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.82	209.4	Pg	10:18:18.342	-0.7					T__				---		15289570	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.82	209.4	Lg	10:18:29.572	-1.9					T__				---		15289571	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.82	209.2	Pg	10:18:19.984	0.9					T__		50.5		---	MLv	15289572	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.82	209.2	Lg	10:18:31.362	-0.2					T__				---		15289573	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.7 0																								
CJR	0.97	105.6	Pg	10:18:21.565	0.1					T__				---		15289574	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.97	105.6	Pg	10:18:21.565	0.1					T__				---		15289575	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.97	105.6	Pg	10:18:21.759	0.3					T__		542.9		---	MLv	15289576	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
CJR	0.97	105.6	Lg	10:18:35.203	-1.0					T__				---		15289577	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.8 0																								
BMR	1.10	50.6	Pn	10:18:25.089	0.9					T__		183.9		---	MLv	15289578	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BMR	1.10	50.6	Lg	10:18:40.698	0.2					T__				---		15289579	FDSN	RO	--	BUD	iLoc	BHN	???	_
BMR	1.10	50.5	Pg	10:18:23.701	-0.3					T__				---		15289580	FDSN	IR	--	ISC	iLoc	???	???	_
BMR	1.10	50.5	Pg	10:18:23.701	-0.3					T__				---		15289581	FDSN	IR	--	ISC	iLoc	???	???	_
BMR	1.10	50.5	Lg	10:18:39.914	-0.7					T__				---		15289582	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.4 1																								
TRPA	1.17	9.9	Pn	10:18:25.203	0.2					T__		33.4		---	MLv	15289583	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 1.7 0																								
DEV	1.19	157.1	Pg	10:18:25.590	0.5					T__				---		15289584	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	1.19	157.1	Pg	10:18:25.590	0.5					T__				---		15289585	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	1.19	157.1	Lg	10:18:40.833	-1.1					T__				---		15289586	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.43	197.2	Pn	10:18:29.612	1.0					T__		51.8		---	MLv	15289587	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	1.43	197.2	Lg	10:18:50.235	0.6					T__				---		15289588	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	1.43	197.8	Pn	10:18:29.056	0.3					T__				---		15289589	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.43	197.8	Pn	10:18:29.056	0.3					T__				---		15289590	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.43	197.8	Sn	10:18:48.992	0.1					T__				---		15289591	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.0 1																								
ARCR	1.45	85.1	Pg	10:18:30.558	0.1					T__				---		15289592	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	1.45	85.1	Pg	10:18:30.558	0.1					T__				---		15289593	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	1.45	85.1	Pg	10:18:30.778	0.3					T__		119.5		---	MLv	15289594	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
ARCR	1.45	85.1	Sn	10:18:50.392	0.5					T__				---		15289595	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.4 1																								
ABAH	1.48	333.2	Pn	10:18:29.908	0.8					T__		75.9		---	MLv	15289596	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_

(Station ML : 2.2 1																		
GZR	1.63	166.6	Pn	10:18:32.318	0.4	T__				15289597	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.63	166.6	Pn	10:18:32.318	0.4	T__				15289598	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.63	166.6	Pg	10:18:33.647	0.3	T__	53.4		MLv	15289599	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.63	166.6	Sn	10:18:54.906	0.6	T__				15289600	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.63	166.6	Lg	10:18:56.700	0.5	T__				15289601	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 2.1 1																		
LOT	1.87	144.7	Pn	10:18:35.622	0.1	T__				15289602	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.87	144.7	Pn	10:18:35.622	0.1	T__				15289603	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.87	144.7	Sn	10:19:00.603	0.1	T__				15289604	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.87	144.8	Pn	10:18:36.805	1.3	T__	72.1		MLv	15289605	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
LOT	1.87	144.8	Sn	10:19:02.751	2.1	T__				15289606	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 2.4 0																		
HERR	2.10	176.6	Pn	10:18:38.740	0.4	T__				15289607	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	2.10	176.6	Pn	10:18:38.740	0.4	T__				15289608	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	2.10	176.6	Sn	10:19:06.684	1.5	T__				15289609	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.12	70.7	Pn	10:18:40.987	1.9	T__				15289610	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BURAR	2.12	70.7	Sn	10:19:05.429	-1.9	T__				15289611	FDSN	RO	--	BUD	iLoc	BHN	???	_
BURAR	2.12	71.6	Pn	10:18:39.268	0.1	T__				15289612	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.12	71.6	Pn	10:18:39.268	0.1	T__				15289613	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.12	71.6	Sn	10:19:07.662	0.3	T__				15289614	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	2.23	189.7	Pn	10:18:40.715	0.5	T__				15289615	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	2.23	189.7	Pn	10:18:40.715	0.5	T__				15289616	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	2.23	189.7	Sn	10:19:09.098	0.5	T__				15289617	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	2.32	133.3	Pn	10:18:41.567	-0.3	T__				15289618	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	2.32	133.3	Pn	10:18:41.567	-0.3	T__				15289619	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	2.32	133.3	Sn	10:19:12.281	0.5	T__				15289620	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.49	127.3	Pn	10:18:44.352	0.1	T__				15289621	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.49	127.3	Pn	10:18:44.352	0.1	T__				15289622	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.49	127.3	Sn	10:19:16.515	0.2	T__				15289623	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/21	10:35:14.91	2.09	0.71	45.5963	17.3230	6.2	4.0	2	0.2F	3.5	20	11	159	0.40	1.33	m	ke BUD	15289665	iLoc			217

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.3	11 ILOC	15289665

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MOSL	0.40	272.7	Pg	10:35:22.568	-0.8					T__		101.0			MLv	15289667	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
MOSL	0.40	272.7	Lg	10:35:28.072	-1.0					T__						15289668	FDSN	CR	--	BUD	iLoc	BHE	???	_
(Station ML : 1.4 0																								
A252A	0.40	113.3	Pg	10:35:23.513	0.2					T__		150.6			MLv	15289669	FDSN	Z3	--	BUD	iLoc	HHZ	HHZ	_
A252A	0.40	113.3	Lg	10:35:29.854	1.1					T__						15289670	FDSN	Z3	--	BUD	iLoc	HHE	???	_
(Station ML : 1.6 1																								
KOVH	0.73	47.5	Pg	10:35:29.648	-0.3					T__		146.4			MLv	15289671	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.73	47.5	Lg	10:35:40.283	-0.1					T__						15289672	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 2.1 1																								
KALN	0.81	311.7	Pg	10:35:31.868	0.6					T__		77.4			MLv	15289673	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
KALN	0.81	311.7	Lg	10:35:41.303	-0.9					T__						15289674	FDSN	CR	--	BUD	iLoc	BHE	???	_
(Station ML : 1.8 1																								
A265A	0.89	21.5	Pg	10:35:31.983	-1.1					T__		690.5			MLv	15289675	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_

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(Station ML : 2.8 0
BEHE 0.95 336.6 Pg 10:35:34.828 0.6 T__ 159.1 ___ MLv 15289676 FDSN HU -- BUD iLoc BHZ BHZ _
BEHE 0.95 336.6 Sn 10:35:48.756 -0.3 T__ ___ 15289677 FDSN HU -- BUD iLoc BHE ??? _
(Station ML : 2.2 1
PTJ 1.00 288.6 Pg 10:35:34.965 0.4 T__ 97.8 ___ MLv 15289678 FDSN CR -- BUD iLoc BHZ BHZ _
PTJ 1.00 288.6 Lg 10:35:49.133 1.1 T__ ___ 15289679 FDSN CR -- BUD iLoc BHE ??? _
(Station ML : 2.0 1
MORH 1.11 55.6 Pn 10:35:36.886 0.4 T__ 15.4 ___ MLv 15289680 FDSN HU -- BUD iLoc BHZ BHZ _
MORH 1.11 55.6 Lg 10:35:52.941 -0.5 T__ ___ 15289681 FDSN HU -- BUD iLoc BHN ??? _
(Station ML : 1.3 0
KOGS 1.13 319.1 Pn 10:35:37.401 0.2 T__ 333.3 ___ MLv 15289682 FDSN SL -- BUD iLoc BHZ BHZ _
KOGS 1.13 319.1 Sn 10:35:53.250 0.1 T__ ___ 15289683 FDSN SL -- BUD iLoc BHE ??? _
(Station ML : 2.7 0
A266A 1.14 34.9 Pg 10:35:38.374 0.8 T__ 287.5 ___ MLv 15289684 FDSN Z3 00 BUD iLoc HHZ HHZ _
(Station ML : 2.6 1
CRES 1.33 280.6 Pn 10:35:40.420 0.1 T__ 237.4 ___ MLv 15289685 FDSN SL -- BUD iLoc BHZ BHZ _
CRES 1.33 280.6 Sn 10:35:58.910 0.3 T__ ___ 15289686 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
2019/02/22	09:06:51.92	0.11	0.28	46.0412	22.8500	1.0	0.8	96	9.4F	1.1	25	67	0.16	2.27	a	ke	BUC	15269000	ISC			360
2019/02/22	09:06:51.39	0.77	0.79	46.0726	22.8367	4.1	3.0	74	0.0S		49	14	69	0.19	2.25	m	sx	BUD	15289732	iLoc		111

(description : suspected quarry blast)

(locality : Baita Romania)

Magnitude	Err	Nsta	Author	OrigID
ml	1.7		BUC	15269000
ML	1.7	0.0	6 ILOC	15289732

Sta	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	167.0	Pg	09:06:55.242	0.2					T__		1041.4		___	MLv	15289734	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
DEV	0.19	167.0	Lg	09:06:57.888	0.2					T__				___		15289735	FDSN	RO	--	BUD	iLoc	BHN	???	_		
DEV	0.19	166.2	Lg	09:06:58.268	0.4					T__		0.7		___		15289736	FDSN	IR	--	ISC	iLoc	???	???	_		
DEV	0.19	166.2	Lg	09:06:58.268	0.4					T__				___		15289737	FDSN	IR	--	ISC	iLoc	???	???	_		
(Station ML : 1.8 0																										
SURR	0.59	237.6	Lg	09:07:11.178	0.1					T__				___		15289738	FDSN	IR	--	ISC	iLoc	???	???	_		
SURR	0.59	237.6	Lg	09:07:11.178	0.1					T__				___		15289739	FDSN	IR	--	ISC	iLoc	???	???	_		
MARR	0.63	17.8	Pg	09:07:04.885	0.7					T__				___		15289740	FDSN	IR	--	ISC	iLoc	???	???	_		
MARR	0.63	17.8	Pg	09:07:04.885	0.7					T__				___		15289741	FDSN	IR	--	ISC	iLoc	???	???	_		
MARR	0.63	17.8	Lg	09:07:14.061	-0.4					T__				___		15289742	FDSN	IR	--	ISC	iLoc	???	???	_		
GZR	0.68	183.6	Pg	09:07:04.809	0.4					T__		82.3		___	MLv	15289743	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
GZR	0.68	183.6	Lg	09:07:13.858	-0.2					T__		0.1		___		15289744	FDSN	IR	--	ISC	iLoc	???	???	_		
GZR	0.68	183.6	Lg	09:07:13.858	-0.2					T__				___		15289745	FDSN	IR	--	ISC	iLoc	???	???	_		
GZR	0.68	183.6	Lg	09:07:14.173	0.1					T__				___		15289746	FDSN	RO	--	BUD	iLoc	BHE	???	_		
(Station ML : 1.8 1																										
DRGR	0.72	353.2	Pg	09:07:06.210	0.2					T__				___		15289747	FDSN	IR	--	ISC	iLoc	???	???	_		
DRGR	0.72	353.2	Pg	09:07:06.210	0.2					T__				___		15289748	FDSN	IR	--	ISC	iLoc	???	???	_		
DRGR	0.72	353.2	Lg	09:07:17.228	-0.5					T__				___		15289749	FDSN	IR	--	ISC	iLoc	???	???	_		
DRGR	0.72	353.2	Pn	09:07:08.880	0.0					T__		63.9		___	MLv	15289750	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
DRGR	0.72	353.2	Lg	09:07:17.584	-0.2					T__				___		15289751	FDSN	RO	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.7 1																										
SIRR	0.84	283.7	Pg	09:07:08.729	0.2					T__		55.5		___	MLv	15289752	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		

SIRR	0.84	283.7	Lg	09:07:21.705	1.0	T__	---	15289753	FDSN	RO	--	BUD	iLoc	BHN	???	???	_
SIRR	0.84	283.8	Pg	09:07:08.409	-0.1	T__	---	15289754	FDSN	IR	--	ISC	iLoc	???	???	???	_
SIRR	0.84	283.8	Pg	09:07:08.409	-0.1	T__	---	15289755	FDSN	IR	--	ISC	iLoc	???	???	???	_
SIRR	0.84	283.8	Lg	09:07:20.499	-0.2	T__	---	15289756	FDSN	IR	--	ISC	iLoc	???	???	???	_
SIRR	0.84	283.8	Lg	09:07:20.499	-0.2	T__	---	15289757	FDSN	IR	--	ISC	iLoc	???	???	???	_
(Station ML : 1.7 1																	
LOT	0.90	133.4	Pg	09:07:08.787	0.1	T__	---	15289758	FDSN	IR	--	ISC	iLoc	???	???	???	_
LOT	0.90	133.4	Pg	09:07:08.787	0.1	T__	---	15289759	FDSN	IR	--	ISC	iLoc	???	???	???	_
LOT	0.90	133.4	Lg	09:07:21.080	-0.9	T__	---	15289760	FDSN	IR	--	ISC	iLoc	???	???	???	_
LOT	0.91	133.5	Pg	09:07:09.289	0.5	T__	---	15289761	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	???	_
LOT	0.91	133.5	Lg	09:07:21.299	-0.8	T__	---	15289762	FDSN	RO	--	BUD	iLoc	BHN	???	???	_
(Station ML : 1.7 1																	
BZS	0.95	241.9	Pn	09:07:10.713	-0.5	T__	---	15289763	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	???	_
BZS	0.95	241.9	Lg	09:07:24.250	0.9	T__	---	15289764	FDSN	RO	--	BUD	iLoc	BHN	???	???	_
BZS	0.97	242.3	Lg	09:07:22.862	-1.0	T__	---	15289765	FDSN	IR	--	ISC	iLoc	???	???	???	_
(Station ML : 1.6 0																	
HERR	1.23	194.1	Pn	09:07:15.016	-0.2	T__	---	15289766	FDSN	IR	--	ISC	iLoc	???	???	???	_
HERR	1.23	194.1	Pn	09:07:15.016	-0.2	T__	---	15289767	FDSN	IR	--	ISC	iLoc	???	???	???	_
HERR	1.23	194.1	Lg	09:07:31.065	-0.1	T__	---	15289768	FDSN	IR	--	ISC	iLoc	???	???	???	_
SRE	1.43	169.4	Lg	09:07:36.764	-1.3	T__	---	15289769	FDSN	IR	--	ISC	iLoc	???	???	???	_
SRE	1.43	169.4	Lg	09:07:36.764	-1.3	T__	---	15289770	FDSN	IR	--	ISC	iLoc	???	???	???	_
ARR	1.44	118.6	Pn	09:07:18.288	-0.5	T__	---	15289771	FDSN	IR	--	ISC	iLoc	???	???	???	_
ARR	1.44	118.6	Pn	09:07:18.288	-0.5	T__	---	15289772	FDSN	IR	--	ISC	iLoc	???	???	???	_
ARR	1.44	118.6	Sn	09:07:37.737	-1.8	T__	---	15289773	FDSN	IR	--	ISC	iLoc	???	???	???	_
MDVR	1.51	211.9	Pn	09:07:19.567	0.2	T__	---	15289774	FDSN	IR	--	ISC	iLoc	???	???	???	_
MDVR	1.51	211.9	Pn	09:07:19.567	0.2	T__	---	15289775	FDSN	IR	--	ISC	iLoc	???	???	???	_
MDVR	1.51	211.9	Sn	09:07:39.285	-1.0	T__	---	15289776	FDSN	IR	--	ISC	iLoc	???	???	???	_
VOIR	1.67	111.5	Pn	09:07:21.128	-1.0	T__	---	15289777	FDSN	IR	--	ISC	iLoc	???	???	???	_
VOIR	1.67	111.5	Pn	09:07:21.128	-1.0	T__	---	15289778	FDSN	IR	--	ISC	iLoc	???	???	???	_
VOIR	1.67	111.5	Sn	09:07:43.239	-2.2	T__	---	15289779	FDSN	IR	--	ISC	iLoc	???	???	???	_
BURAR	2.25	45.8	Pn	09:07:29.906	-0.1	T__	---	15289780	FDSN	IR	--	ISC	iLoc	???	???	???	_
BURAR	2.25	45.8	Pn	09:07:29.906	-0.1	T__	---	15289781	FDSN	IR	--	ISC	iLoc	???	???	???	_
BURAR	2.26	45.0	Pg	09:07:32.616	-2.6	T__	---	15289782	FDSN	RO	--	BUD	iLoc	BHZ	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/22	18:57:52.42	1.56	0.80	47.6288	20.2919	8.1	4.8	117	7.4F	11.6	37	19	103	0.39	2.98	m	ke BUD	15289813	iLoc			109

Magnitude	Err	Nsta	Author	OrigID
ML	2.3	0.2	16 ILOC	15289813

Sta	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	317.4	Pg	18:58:01.187	0.1					T__		168.0		---	MLv	15289815	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.39	317.4	Lg	18:58:07.114	-0.3					T__				---		15289816	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.6 0																								
KECS	0.86	8.6	Pn	18:58:10.777	1.3					T__		288.1		---	MLv	15289817	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.86	8.6	Lg	18:58:21.600	-0.5					T__				---		15289818	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	0.86	8.6	Lg	18:58:22.519	0.5					T__				---		15289819	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 2.4 1																								
BUD	0.87	260.9	Pg	18:58:10.479	0.3					T__		123.2		---	MLv	15289820	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BUD	0.87	260.9	Sn	18:58:22.899	-0.1					T__				---		15289821	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 2.1 1																								

A270A	0.89	284.6	Pg	18:58:10.833	0.4	T__	178.8	---	MLv	15289822	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A270A	0.89	284.6	Sn	18:58:23.118	-0.3	T__		---		15289823	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
(Station ML : 2.2 1																			
ABAH	0.92	43.3	Pn	18:58:10.315	0.1	T__	287.9	---	MLv	15289824	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ABAH	0.92	43.3	Lg	18:58:22.645	-1.6	T__		---		15289825	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 2.5 1																			
A336A	1.06	305.3	Pg	18:58:13.666	-0.0	T__	150.8	---	MLv	15289826	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A336A	1.06	305.3	Lg	18:58:28.255	-0.8	T__		---		15289827	FDSN	Z3	00	BUD	iLoc	HH2	???	_	
(Station ML : 2.3 1																			
VYHS	1.31	312.1	Pn	18:58:16.898	1.1	T__	10.4	---	MLv	15289828	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_	
VYHS	1.31	312.1	Sn	18:58:34.821	0.8	T__		---		15289829	FDSN	SK	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.2 0																			
A338A	1.36	287.2	Lg	18:58:39.035	-0.8	T__		---		15289830	FDSN	Z3	00	BUD	iLoc	HH3	???	_	
CSKK	1.40	259.8	Pg	18:58:19.983	-0.6	T__	123.9	---	MLv	15289831	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
CSKK	1.40	259.8	Sn	18:58:36.949	0.9	T__		---		15289832	FDSN	HU	--	BUD	iLoc	HHE	???	_	
(Station ML : 2.4 1																			
A267A	1.41	241.7	Lg	18:58:40.136	-0.7	T__		---		15289833	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
LANS	1.62	340.5	Pg	18:58:23.883	-0.5	T__	35.4	---	MLv	15289834	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_	
(Station ML : 1.9 1																			
MORH	1.81	219.2	Pn	18:58:22.904	0.6	T__	15.3	---	MLv	15289835	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
MORH	1.81	219.2	Pg	18:58:27.725	-0.5	T__		---		15289836	FDSN	HU	--	BUD	iLoc	BHZ	???	_	
MORH	1.81	219.2	Sn	18:58:45.481	0.2	T__		---		15289837	FDSN	HU	--	BUD	iLoc	BHN	???	_	
MORH	1.81	219.2	Lg	18:58:52.836	-0.6	T__		---		15289838	FDSN	HU	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.7 0																			
DRGR	1.85	116.0	Pn	18:58:23.846	0.4	T__	44.4	---	MLv	15289839	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
DRGR	1.85	116.0	Lg	18:58:51.796	-1.5	T__		---		15289840	FDSN	RO	--	BUD	iLoc	BHN	???	_	
(Station ML : 2.2 1																			
MPLH	1.93	257.2	Pg	18:58:30.447	0.2	T__	52.3	---	MLv	15289841	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
MPLH	1.93	257.2	Sn	18:58:49.736	1.2	T__		---		15289842	FDSN	HU	--	BUD	iLoc	BHN	???	_	
(Station ML : 2.3 1																			
KOVH	2.15	225.1	Pn	18:58:27.912	0.7	T__	81.4	---	MLv	15289843	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
KOVH	2.15	225.1	Pg	18:58:34.611	-0.3	T__		---		15289844	FDSN	HU	--	BUD	iLoc	BHZ	???	_	
KOVH	2.15	225.1	Lg	18:59:04.862	0.8	T__		---		15289845	FDSN	HU	--	BUD	iLoc	BHN	???	_	
(Station ML : 2.6 1																			
CJR	2.43	110.9	Pn	18:58:31.438	-0.3	T__	123.2	---	MLv	15289846	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
(Station ML : 2.9 0																			
MORC	2.82	320.8	Pn	18:58:38.200	1.1	T__		---		15289847	FDSN	IR	--	ISC	iLoc	???	???	_	
KRUC	2.97	300.3	Pn	18:58:39.954	0.9	T__	71.1	---	MLv	15289848	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_	
KRUC	2.97	300.3	Pn	18:58:39.800	0.8	T__		---		15289849	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 3.0 0																			
VRAC	2.98	305.7	Sn	18:59:15.000	-0.8	T__		---		15289850	FDSN	IR	--	ISC	iLoc	???	???	_	
VRAC	2.98	305.7	Pn	18:58:40.145	0.9	T__	58.3	---	MLv	15289851	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/23	12:56:28.10	1.53	1.47	47.3691	18.1718	10.0	4.4	164	11.6F	8.9	16	9	149	0.06	1.21	m	ke BUD	15289917	iLoc			212

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.2	6 ILOC	15289917

Sta	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	95.7	Lg	12:56:32.300	-0.8					T__		19.3		---		15289919	FDSN	IR	--	ISC	iLoc	???	???	_

CSKK	0.06	95.5	Pg	12:56:31.082	0.3	T__	1913.7	___	MLv	15289920	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.06	95.5	Lg	12:56:32.477	-0.6	T__		---		15289921	FDSN	HU	--	BUD	iLoc	HHZ	???	_
(Station ML : 1.8 1																		
A268A	0.18	290.3	Pg	12:56:32.890	0.5	T__	202.5	___	MLv	15289922	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A268A	0.18	290.3	Lg	12:56:35.929	-0.0	T__		---		15289923	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 1.1 0																		
A269A	0.31	27.8	Pg	12:56:35.999	1.4	T__	248.8	___	MLv	15289924	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A269A	0.31	27.8	Lg	12:56:38.395	-1.6	T__		---		15289925	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 1.5 1																		
SR0	0.45	12.1	Pg	12:56:38.296	0.9	T__	639.9	___	MLv	15289926	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
SR0	0.45	12.1	Lg	12:56:44.313	-0.7	T__		---		15289927	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 2.4 0																		
MPLH	0.47	245.4	Pn	12:56:39.350	-1.4	T__	77.5	___	MLv	15289928	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.47	245.4	Sn	12:56:47.695	4.0	T__		---		15289929	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.5 1																		
A336A	1.03	32.5	Sn	12:57:01.237	-1.0	T__		---		15289930	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A335A	1.08	5.8	Sn	12:57:03.549	-0.3	T__		---		15289931	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MODS	1.17	329.4	Sn	12:57:06.165	0.2	T__		---		15289932	FDSN	SK	--	BUD	iLoc	HHE	???	_
VYHS	1.21	21.4	Pg	12:56:51.995	-0.3	T__	14.4	___	MLv	15289933	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.21	21.4	Sn	12:57:07.096	0.0	T__		---		15289934	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
2019/02/24	13:44:38.62	2.32	0.69	47.4107	18.4175	16.8	4.9	118	5.0A		7	5	183	0.12	1.12	m	ke	BUD	15289961	iLoc		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
CSKK	0.12	246.0	Pg	13:44:41.511	0.1					T__		351.0		___	MLv	15289963	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.12	246.0	Lg	13:44:43.660	-0.2					T__				---		15289964	FDSN	HU	--	BUD	iLoc	HHN	???	_
A269A	0.23	354.0	Lg	13:44:47.327	-0.2					T__				---		15289965	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A268A	0.34	273.7	Pg	13:44:44.932	-0.6					T__		101.2		___	MLv	15289966	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A268A	0.34	273.7	Lg	13:44:51.765	0.7					T__				---		15289967	FDSN	Z3	00	BUD	iLoc	HHE	???	_
SR0	0.41	350.1	Lg	13:44:54.515	0.8					T__				---		15289968	FDSN	SK	--	BUD	iLoc	EHE	???	_
PSZ	1.12	62.5	Sn	13:45:16.205	-0.5					T__				---		15289969	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
2019/02/24	14:44:33.88	1.14	0.93	48.6514	19.3893	8.9	4.4	20	17.8F	16.5	13	7	113	0.40	0.98	m	ke	BUD	15289978	iLoc		178

Magnitude Err Nsta Author OrigID

ML 1.8 0.1 6 ILOC 15289978

Sta	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	0.40	247.0	Pg	14:44:42.985	0.4					T__		18.4		___	MLv	15289980	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.40	247.0	Lg	14:44:48.249	-0.6					T__				---		15289981	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 0.7 0																								
A336A	0.49	212.0	Pg	14:44:45.178	0.9					T__		87.4		___	MLv	15289982	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A336A	0.49	212.0	Lg	14:44:51.579	-0.4					T__				---		15289983	FDSN	Z3	00	BUD	iLoc	HH3	???	_
(Station ML : 1.6 1																								

A332A	0.63	284.4	Pn	14:44:47.179	-0.0	T__	70.1	---	MLv	15289984	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A332A	0.63	284.4	Lg	14:44:55.551	-0.1	T__		---		15289985	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
(Station ML : 1.7 1																			
A335A	0.73	254.1	Pn	14:44:48.781	0.2	T__	102.7	---	MLv	15289986	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A335A	0.73	254.1	Lg	14:44:58.340	-1.4	T__		---		15289987	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
(Station ML : 1.9 0																			
KECS	0.75	102.6	Pn	14:44:49.221	0.6	T__	88.7	---	MLv	15289988	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_	
KECS	0.75	102.6	Lg	14:44:58.911	-0.5	T__		---		15289989	FDSN	SK	--	BUD	iLoc	EHE	???	_	
(Station ML : 1.9 1																			
PSZ	0.81	155.1	Pg	14:44:51.012	0.1	T__	85.3	---	MLv	15289990	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	0.81	155.1	Lg	14:45:02.019	-0.7	T__		---		15289991	FDSN	GE	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.9 1																			
NIE	0.98	38.0	Sn	14:45:05.191	-1.8	T__		---		15289992	FDSN	PL	--	BUD	iLoc	BHE	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/25	11:03:03.08	0.40	0.70	48.1589	16.9757				1.3F	2.9	12	153		0.29	1.34	a	kx KRSZO	15269091	ISC			360
2019/02/25	11:03:02.25	0.92	1.04	48.2285	16.9492	7.9	4.0	147	0.0S		18	7	147	0.26	1.37	m	sx BUD	15290018	iLoc			170
(description : suspected quarry blast)																						
(locality : Hainburg Austria)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.8		KRSZO	15269091
MLv	1.8		KRSZO	15269091
ML	2.0	0.1	5 ILOC	15290018

Sta	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	56.4	Pg	11:03:08.678	0.6					T__						15290020	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.26	56.4	Lg	11:03:13.367	0.5					T__						15290021	FDSN	SK	--	BUD	iLoc	HHN	???	_
CONA	0.79	248.0	Pg	11:03:17.587	-0.3					T__	89.1					15290022	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
CONA	0.79	248.0	Lg	11:03:28.397	0.2					T__						15290023	FDSN	OE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.9 1																								
JAVC	0.79	37.0	Pn	11:03:22.405	2.1					T__	165.1					15290024	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_
JAVC	0.79	37.0	Pn	11:03:21.100	0.8					T__						15290025	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	0.79	37.0	Lg	11:03:28.700	-2.2					T__						15290026	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.2 1																								
KRUC	0.91	336.4	Pn	11:03:22.500	0.8					T__						15290027	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.91	336.4	Lg	11:03:33.700	0.4					T__						15290028	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.91	336.4	Pn	11:03:21.810	0.1					T__	94.5					15290029	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_
KRUC	0.91	336.4	Sn	11:03:36.179	-0.1					T__						15290030	FDSN	CZ	--	BUD	iLoc	BHE	???	_
(Station ML : 2.0 1																								
VRAC	1.11	347.8	Pn	11:03:25.100	0.7					T__						15290031	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.11	347.8	Lg	11:03:38.900	-0.6					T__						15290032	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.11	347.8	Sn	11:03:40.633	-0.6					T__						15290033	FDSN	CZ	--	BUD	iLoc	BHE	???	_
VYHS	1.29	77.4	Pg	11:03:27.707	-0.4					T__	17.6					15290034	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.29	77.4	Sn	11:03:44.218	-1.8					T__						15290035	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.5 0																								
ARSA	1.37	225.1	Pn	11:03:27.961	-0.3					T__	92.3					15290036	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
ARSA	1.37	225.1	Lg	11:03:45.614	-0.3					T__						15290037	FDSN	OE	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/25	11:10:06.68	0.33	0.90	47.2257	18.3268				0.0F	0.0	10	111		0.14	1.35	a	kx KRSZO	15269107	ISC			360
2019/02/25	11:10:04.49	1.24	0.89	47.2570	18.3553	9.9	6.3	76	0.0S		11	7	112	0.12	1.33	m	sx BUD	15290059	iLoc			154
(description : suspected quarry blast)																						
(locality : Iszkaszentgyörgy Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.8		KRSZO	15269107
MLv	1.8		KRSZO	15269107
ML	1.5	0.0	3 ILOC	15290059

Sta	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	328.7	Pg	11:10:07.900	0.3					T__		4.6				15290061	FDSN	IR	--	ISC	iLoc	???	???	_
CSKK	0.12	328.8	Pg	11:10:08.081	0.5					T__		460.7			MLv	15290062	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.12	328.8	Lg	11:10:09.876	-0.7					T__						15290063	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.3 1																								
MPLH	0.56	261.4	Lg	11:10:24.490	-0.2					T__						15290064	FDSN	HU	--	BUD	iLoc	BHN	???	_
MORH	1.06	169.1	Pn	11:10:25.931	0.7					T__		23.2			MLv	15290065	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.06	169.1	Lg	11:10:40.339	-0.7					T__						15290066	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.5 1																								
KOVH	1.18	188.6	Sn	11:10:43.358	-1.4					T__						15290067	FDSN	HU	--	BUD	iLoc	BHN	???	_
PSZ	1.23	57.0	Sn	11:10:48.229	1.3					T__						15290068	FDSN	GE	--	BUD	iLoc	BHN	???	_
VYHS	1.28	14.5	Pg	11:10:30.356	-0.0					T__		18.9			MLv	15290069	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.28	14.5	Sn	11:10:48.744	0.7					T__						15290070	FDSN	SK	--	BUD	iLoc	HHE	???	_
(Station ML : 1.5 1																								
MODS	1.33	327.3	Lg	11:10:51.042	-0.5					T__						15290071	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	
2019/02/25	12:39:47.68	0.93	0.64	48.3412	19.8570	5.7	3.7	175	0.0S		11	6	147	0.42	1.06	m	sx BUD	15290086	iLoc				171
(description : suspected quarry blast)																							
(locality : Velke-Dravce Slovakia)																							

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.2	6 ILOC	15290086

Sta	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	176.6	Pg	12:39:57.027	0.0					T__		180.6			MLv	15290088	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.42	176.6	Lg	12:40:03.682	-0.2					T__						15290089	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.7 1																								
KECS	0.44	71.0	Pg	12:39:57.164	0.5					T__		140.7			MLv	15290090	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.44	71.0	Lg	12:40:02.927	-0.6					T__						15290091	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.7 1																								
A336A	0.58	259.7	Pg	12:40:00.441	0.8					T__		152.4			MLv	15290092	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A336A	0.58	259.7	Lg	12:40:08.373	-0.3					T__						15290093	FDSN	Z3	00	BUD	iLoc	HH3	???	_
(Station ML : 2.0 1																								
VYHS	0.70	283.1	Pg	12:40:01.864	0.0					T__		26.3			MLv	15290094	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.70	283.1	Lg	12:40:11.229	-0.9					T__						15290095	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.3 0																								
ABAH	0.92	92.3	Pn	12:40:06.461	-0.2					T__		145.5			MLv	15290096	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.92	92.3	Sn	12:40:20.972	-0.9					T__						15290097	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 2.2 1																								

A338A 1.06 252.6 Pg 12:40:09.368 0.4 T__ 192.3 ___ MLv 15290098 FDSN Z3 00 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
 2019/02/26 09:15:10.52 0.89 1.15 48.4888 20.7470 8.6 3.3 8 0.0S 15 8 105 0.17 1.25 m sx BUD 15290124 iLoc 157
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.6 0.0 5 ILOC 15290124

Sta	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	268.3	Pg	09:15:14.049	-0.2					T__		1359.5		___	MLv	15290126	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.17	268.3	Lg	09:15:16.600	-0.6					T__		1.4		---		15290127	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	0.17	268.3	Lg	09:15:18.153	1.0					T__				---		15290128	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.9 0)																								
ABAH	0.38	120.2	Pg	09:15:18.422	0.0					T__		82.5		___	MLv	15290129	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.38	120.2	Lg	09:15:24.219	-0.9					T__				---		15290130	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.3 0)																								
PSZ	0.81	225.3	Pn	09:15:29.778	1.6					T__		70.6		___	MLv	15290131	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.81	225.3	Sn	09:15:41.410	-1.1					T__				---		15290132	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.8 1)																								
NIE	0.97	343.1	Pn	09:15:30.664	0.1					T__		37.3		___	MLv	15290133	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.97	343.1	Lg	09:15:43.033	0.3					T__				---		15290134	FDSN	PL	--	BUD	iLoc	BHN	???	_
(Station ML : 1.6 1)																								
HOLU	1.09	87.4	Pg	09:15:30.934	-0.4					T__				---		15290135	FDSN	UA	--	BUD	iLoc	MHZ	???	_
KOLS	1.10	65.7	Pn	09:15:32.194	-0.2					T__				---		15290136	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	1.10	65.7	Lg	09:15:47.404	-1.2					T__				---		15290137	FDSN	SK	--	BUD	iLoc	HHN	???	_
A336A	1.19	258.3	Lg	09:15:52.256	-0.4					T__				---		15290138	FDSN	Z3	00	BUD	iLoc	HH3	???	_
TRPA	1.25	106.0	Pg	09:15:36.129	1.5					T__		26.4		___	MLv	15290139	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
TRPA	1.25	106.0	Sn	09:15:50.606	-2.4					T__				---		15290140	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/02/26 09:25:10.14 0.51 0.47 47.3361 18.3508 0.0F 0.0 4 126 0.07 1.20 a kx KRSZO 15269117 ISC 360
 2019/02/26 09:25:08.70 1.23 1.48 47.3030 18.2896 20.0 5.1 78 0.0S 7 4 174 0.06 1.25 m sx BUD 15290163 iLoc 281
 (description : suspected quarry blast)
 (locality : Gánt Hungary)

Magnitude Err Nsta Author OrigID
 M 2.9 KRSZO 15269117
 MLv 2.9 KRSZO 15269117

Sta	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	341.8	Pg	09:25:10.800	0.1					T__		24.3		---		15290165	FDSN	IR	--	ISC	iLoc	???	???	_
CSKK	0.06	341.8	Pg	09:25:10.800	0.1					T__				---		15290166	FDSN	IR	--	ISC	iLoc	???	???	_
CSKK	0.06	341.9	Pg	09:25:10.909	0.3					T__		2412.1		___	MLv	15290167	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.06	341.9	Lg	09:25:12.190	-0.5					T__				---		15290168	FDSN	HU	--	BUD	iLoc	HHN	???	_
A269A	0.34	10.6	Lg	09:25:22.248	0.1					T__				---		15290169	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MORH	1.11	167.2	Lg	09:25:46.838	-0.2					T__				---		15290170	FDSN	HU	--	BUD	iLoc	BHE	???	_

PSZ 1.25 59.9 Sn 09:25:48.554 -2.9 T__ --- 15290171 FDSN GE -- BUD iLoc BHE ??? _

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/02/26 10:24:43.18 2.51 1.03 46.9020 22.7392 14.7 14.4 156 0.0S 10 6 195 0.11 1.83 m sx BUD 15290177 iLoc 283
 (description : suspected quarry blast)
 (locality : Poieni Romania)

Magnitude Err Nsta Author OrigID
 ML 1.5 0.4 3 ILOC 15290177

Sta	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	0.11	189.9	Pg	10:24:45.902	0.1					T__		392.2		---	MLv	15290179	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.11	189.9	Lg	10:24:48.008	-0.1					T__				---		15290180	FDSN	RO	--	BUD	iLoc	BHZ	???	_
(Station ML : 1.2 1																								
SIRR	0.98	229.8	Pg	10:25:03.060	0.1					T__		28.9		---	MLv	15290181	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.98	229.8	Lg	10:25:16.029	-1.0					T__				---		15290182	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.5 1																								
BZS	1.49	211.1	Pg	10:25:12.067	0.1					T__		31.3		---	MLv	15290183	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	1.49	211.1	Lg	10:25:32.721	0.5					T__				---		15290184	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.8 1																								
GZR	1.51	179.0	Sn	10:25:31.500	-0.7					T__				---		15290185	FDSN	RO	--	BUD	iLoc	BHN	???	_
LOT	1.62	153.4	Sn	10:25:34.154	-1.4					T__				---		15290186	FDSN	RO	--	BUD	iLoc	BHN	???	_
BURAR	1.83	65.2	Pn	10:25:16.029	0.2					T__				---		15290187	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BURAR	1.83	65.2	Sn	10:25:39.235	-1.9					T__				---		15290188	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
 2019/02/27 09:22:38.42 0.92 1.05 46.3966 21.4462 8.2 4.8 11 5.0A 24 13 69 0.20 1.95 m ke BUD 15290371 iLoc 99

Magnitude Err Nsta Author OrigID
 ML 2.6 0.2 12 ILOC 15290371

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
SIRR	0.20	131.1	Pg	09:22:42.518	-0.3					T__		979.7		---	MLv	15290373	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.20	131.1	Lg	09:22:45.437	-0.8					T__				---		15290374	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 1.8 0																								
AMBH	0.50	264.9	Pg	09:22:49.591	0.7					T__		564.7		---	MLv	15290375	FDSN	HU	00	BUD	iLoc	HHZ	HHZ	_
AMBH	0.50	264.9	Lg	09:22:57.247	0.6					T__				---		15290376	FDSN	HU	00	BUD	iLoc	HHE	???	_
(Station ML : 2.4 1																								
BZS	0.79	170.1	Pn	09:22:54.089	-0.8					T__		272.5		---	MLv	15290377	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.79	170.1	Lg	09:23:04.157	-0.7					T__				---		15290378	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 2.4 1																								
DRGR	0.96	65.2	Pn	09:22:56.674	-0.7					T__		462.4		---	MLv	15290379	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.96	65.2	Lg	09:23:09.389	-1.5					T__				---		15290380	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 2.7 1																								
BANR	1.04	192.1	Sn	09:23:13.021	-0.6					T__				---		15290381	FDSN	RO	--	BUD	iLoc	BHE	???	_
DEV	1.13	116.3	Pg	09:23:00.834	0.9					T__		439.5		---	MLv	15290382	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DEV	1.13	116.3	Sn	09:23:15.523	-0.4					T__				---		15290383	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 2.8 1																								

GZR	1.37	136.7	Pg	09:23:04.112	-0.3	T__	481.1	___	MLv	15290384	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.37	136.7	Pb	09:23:05.470	1.1	T__		___		15290385	FDSN	RO	--	BUD	iLoc	BHN	???	_
GZR	1.37	136.7	Lg	09:23:22.883	-0.0	T__		___		15290386	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 2.9 0																		
CJR	1.52	77.2	Pg	09:23:08.036	0.1	T__	385.2	___	MLv	15290387	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
CJR	1.52	77.2	Lg	09:23:27.142	-1.0	T__		___		15290388	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 2.9 0																		
FRGS	1.69	222.4	Pg	09:23:10.850	0.2	T__	145.2	___	MLv	15290389	FDSN	SJ	--	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.6 1																		
PSZ	1.85	325.7	Pn	09:23:10.093	0.3	T__	109.0	___	MLv	15290390	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.85	325.7	Sn	09:23:31.483	-2.1	T__		___		15290391	FDSN	GE	--	BUD	iLoc	HHE	???	_
(Station ML : 2.6 1																		
LOT	1.88	119.5	Pg	09:23:13.556	-0.9	T__	191.4	___	MLv	15290392	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
LOT	1.88	119.5	Lg	09:23:38.524	-1.2	T__		___		15290393	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 2.8 1																		
ABAH	1.91	355.8	Pn	09:23:10.789	0.6	T__	132.5	___	MLv	15290394	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.7 1																		
MORH	1.95	265.7	Pg	09:23:15.797	-0.5	T__	27.0	___	MLv	15290395	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.95	265.7	Lg	09:23:40.766	-2.6	T__		___		15290396	FDSN	HU	--	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
2019/02/28	09:42:36.41	1.82	1.85	48.2334	21.5328	24.1	6.1	175	0.0S	7	5	161	0.21	1.14	m	sx	BUD	15290446	iLoc		194	
(description : suspected quarry blast)																						
(locality : Tarczal Hungary)																						

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	287.9	Pg	09:42:41.718	0.7					T__		799.7	___	MLv	15290448	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ABAH	0.21	287.9	Lg	09:42:42.941	-2.1					T__			___		15290449	FDSN	HU	--	BUD	iLoc	HHN	???	_	
BRIU	1.00	83.4	Lg	09:43:11.553	-0.2					T__			___		15290450	FDSN	UA	--	BUD	iLoc	MHZ	???	_	
STZU	1.07	42.3	Pg	09:42:57.034	0.3					T__			___		15290451	FDSN	UA	--	BUD	iLoc	MHZ	???	_	
STZU	1.07	42.3	Lg	09:43:14.619	0.9					T__			___		15290452	FDSN	UA	--	BUD	iLoc	MHZ	???	_	
KORU	1.07	93.5	Lg	09:43:11.325	-2.8					T__			___		15290453	FDSN	UA	--	BUD	iLoc	MHZ	???	_	
PSZ	1.14	254.6	Pn	09:42:58.826	0.1					T__		79.4	___	MLv	15290454	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/28	10:33:18.81	0.99	0.75	48.5700	20.7812	7.3	4.4	25	0.0S	17	10	90	0.21	1.30	m	sx	BUD	15290463	iLoc		124	
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.2	8 ILOC	15290463

Sta	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	246.3	Pg	10:33:23.172	-0.1					T__		992.6	___	MLv	15290465	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_	
KECS	0.21	246.3	Lg	10:33:26.788	-0.0					T__			___		15290466	FDSN	SK	--	BUD	iLoc	EHE	???	_	
(Station ML : 1.9 1																								

ABAH	0.41	131.7	Pg	10:33:27.592	0.3	T__	112.6	---	MLv	15290467	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.41	131.7	Lg	10:33:33.320	-1.1	T__		---		15290468	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.5 1																		
PSZ	0.88	222.6	Pg	10:33:37.383	-0.0	T__	63.6	---	MLv	15290469	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.88	222.6	Lg	10:33:50.407	-0.2	T__		---		15290470	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.8 1																		
NIE	0.90	340.2	Pn	10:33:39.221	1.3	T__	32.1	---	MLv	15290471	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 1.5 1																		
LANS	1.04	304.3	Pg	10:33:38.812	-0.6	T__	41.6	---	MLv	15290472	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
LANS	1.04	304.3	Lg	10:33:54.498	0.3	T__		---		15290473	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.7 1																		
HOLU	1.07	91.7	Pn	10:33:40.041	0.1	T__		---		15290474	FDSN	UA	--	BUD	iLoc	MHZ	???	_
A336A	1.23	254.8	Pg	10:33:43.786	0.1	T__	88.0	---	MLv	15290475	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A336A	1.23	254.8	Sn	10:34:01.713	0.9	T__		---		15290476	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
(Station ML : 2.1 0																		
TRPA	1.25	109.9	Pg	10:33:43.247	0.3	T__	24.4	---	MLv	15290477	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
TRPA	1.25	109.9	Sn	10:34:00.617	-0.9	T__		---		15290478	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.6 1																		
VYHS	1.30	267.4	Pn	10:33:43.585	0.3	T__	12.2	---	MLv	15290479	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.30	267.4	Sn	10:34:01.682	-1.0	T__		---		15290480	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.3 0																		
STZU	1.30	69.2	Pn	10:33:44.745	1.3	T__		---		15290481	FDSN	UA	--	BUD	iLoc	MHZ	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/28	11:00:48.03	1.00	0.87	48.2916	17.1070	7.4	6.9	20	12.5F	9.7	10	5	167	0.14	1.17	m	ke BUD	15290515	iLoc			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	0.14	54.2	Pg	11:00:51.357	-0.5					T__						15290517	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.14	54.2	Lg	11:00:55.928	0.9					T__						15290518	FDSN	SK	--	BUD	iLoc	HHN	???	_
KRUC	0.90	328.8	Pg	11:01:04.613	-0.7					T__						15290519	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	0.90	328.8	Lg	11:01:18.769	0.4					T__						15290520	FDSN	CZ	--	BUD	iLoc	BHE	???	_
CONA	0.91	246.9	Pg	11:01:05.903	-0.2					T__	53.2			---	MLv	15290521	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
CONA	0.91	246.9	Lg	11:01:18.473	0.4					T__						15290522	FDSN	OE	--	BUD	iLoc	BHE	???	_
VRAC	1.07	341.7	Pn	11:01:07.908	-0.2					T__						15290523	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.07	341.7	Lg	11:01:24.468	0.9					T__						15290524	FDSN	CZ	--	BUD	iLoc	BHE	???	_
VYHS	1.17	79.4	Pg	11:01:11.226	-0.2					T__	13.0			---	MLv	15290525	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.17	79.4	Sn	11:01:24.867	-1.3					T__						15290526	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
2019/02/28	11:08:04.90	0.32		45.5590	17.3890	0.1	0.0		6.7F	4.4	14			0.64	2.19	a	ke RHSSO	15269266	ISC			360
2019/02/28	11:08:03.23	0.80	0.97	45.6111	17.2896	4.4	3.6	141	0.0A		33	15	71	0.38	2.11	m	ke BUD	15290535	iLoc			128

Magnitude Err Nsta Author OrigID
 ML 1.7 RHSSO 15269266
 ML 2.2 0.3 11 ILOC 15290535

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
MOSL	0.38	270.6	Pg	11:08:11.122	-0.1					T__		160.0		---	MLv	15290537	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_		
MOSL	0.38	270.6	Lg	11:08:16.566	-0.3					T__				---		15290538	FDSN	CR	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.5 1																										
A252A	0.43	113.9	Pg	11:08:11.915	-0.3					T__		288.0		---	MLv	15290539	FDSN	Z3	--	BUD	iLoc	HHZ	HHZ	_		
A252A	0.43	113.9	Lg	11:08:18.166	0.0					T__				---		15290540	FDSN	Z3	--	BUD	iLoc	HHN	???	_		
(Station ML : 2.0 1																										
A273A	0.48	50.2	Pg	11:08:14.090	0.8					T__		7.1		---	MLv	15290541	FDSN	Z3	--	BUD	iLoc	HHZ	HHZ	_		
(Station ML : 0.5 0																										
A051A	0.66	204.4	Pg	11:08:16.000	-0.3					T__				---		15290542	FDSN	IR	--	ISC	iLoc	???	???	_		
A051A	0.66	204.4	Lg	11:08:26.300	1.3					T__				---		15290543	FDSN	IR	--	ISC	iLoc	???	???	_		
KOVH	0.74	49.6	Pg	11:08:18.133	-0.4					T__		187.6		---	MLv	15290544	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_		
KOVH	0.74	49.6	Lg	11:08:27.945	-1.2					T__				---		15290545	FDSN	HU	--	BUD	iLoc	BHE	???	_		
(Station ML : 2.2 1																										
KALN	0.78	312.0	Pg	11:08:19.460	0.3					T__		201.3		---	MLv	15290546	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_		
KALN	0.78	312.0	Lg	11:08:29.769	-0.1					T__				---		15290547	FDSN	CR	--	BUD	iLoc	BHE	???	_		
(Station ML : 2.2 1																										
BLY	0.83	185.3	Pn	11:08:21.221	-0.4					T__		67.2		---	MLv	15290548	FDSN	MN	--	BUD	iLoc	BHZ	BHZ	_		
BLY	0.83	185.3	Sn	11:08:32.713	-2.1					T__				---		15290549	FDSN	MN	--	BUD	iLoc	BHE	???	_		
BLY	0.87	185.0	Pg	11:08:20.200	0.2					T__				---		15290550	FDSN	IR	--	ISC	iLoc	???	???	_		
BLY	0.87	185.0	Lg	11:08:31.300	0.3					T__				---		15290551	FDSN	IR	--	ISC	iLoc	???	???	_		
(Station ML : 1.8 1																										
A265A	0.89	23.2	Pn	11:08:22.350	0.4					T__		454.6		---	MLv	15290552	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
A265A	0.89	23.2	Sn	11:08:36.504	0.6					T__				---		15290553	FDSN	Z3	00	BUD	iLoc	HHE	???	_		
(Station ML : 2.7 0																										
BEHE	0.93	337.6	Pn	11:08:22.700	-0.1					T__				---		15290554	FDSN	IR	--	ISC	iLoc	???	???	_		
BEHE	0.93	337.6	Sn	11:08:37.100	0.0					T__				---		15290555	FDSN	IR	--	ISC	iLoc	???	???	_		
BEHE	0.93	337.6	Pn	11:08:23.622	0.8					T__		184.4		---	MLv	15290556	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_		
(Station ML : 2.3 1																										
KOGS	1.11	319.5	Pn	11:08:26.469	1.2					T__		361.4		---	MLv	15290557	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_		
KOGS	1.11	319.5	Sn	11:08:41.255	0.2					T__				---		15290558	FDSN	SL	--	BUD	iLoc	BHE	???	_		
(Station ML : 2.7 0																										
MORH	1.12	56.9	Pn	11:08:24.800	-0.3					T__				---		15290559	FDSN	IR	--	ISC	iLoc	???	???	_		
MORH	1.12	56.9	Sn	11:08:39.600	-2.0					T__				---		15290560	FDSN	IR	--	ISC	iLoc	???	???	_		
MORH	1.12	56.9	Pg	11:08:25.200	-0.4					T__		17.2		---	MLv	15290561	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_		
MORH	1.12	56.9	Sn	11:08:40.535	-1.1					T__				---		15290562	FDSN	HU	--	BUD	iLoc	BHE	???	_		
(Station ML : 1.4 0																										
A266A	1.14	36.2	Pg	11:08:27.051	1.1					T__		227.1		---	MLv	15290563	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
(Station ML : 2.5 1																										
A050A	1.25	205.7	Pg	11:08:27.300	-0.3					T__				---		15290564	FDSN	IR	--	ISC	iLoc	???	???	_		
A050A	1.25	205.7	Lg	11:08:44.300	-0.6					T__				---		15290565	FDSN	IR	--	ISC	iLoc	???	???	_		
CEY	2.01	274.7	Pg	11:08:39.800	-0.4					T__				---		15290566	FDSN	IR	--	ISC	iLoc	???	???	_		
CEY	2.01	274.7	Sn	11:09:06.400	2.3					T__				---		15290567	FDSN	IR	--	ISC	iLoc	???	???	_		
OBKA	2.11	296.2	Pg	11:08:42.100	-0.1					T__				---		15290568	FDSN	IR	--	ISC	iLoc	???	???	_		
OBKA	2.11	296.2	Lg	11:09:09.200	-1.9					T__				---		15290569	FDSN	IR	--	ISC	iLoc	???	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/02/28	11:09:14.27	2.41	1.24	45.6276	17.3189	17.7	7.9	85	3.1F	21.2	11	7	95	0.42	1.11	m	ke BUD	15290615	iLoc			165

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.1	6 ILOC	15290615

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A252A	0.42	117.1	Pg	11:09:22.671	-0.2					T__		128.7		---	MLv	15290617	FDSN	Z3	--	BUD	iLoc	HHZ	HHZ	_
A252A	0.42	117.1	Lg	11:09:28.835	0.5					T__				---		15290618	FDSN	Z3	--	BUD	iLoc	HHN	???	_
(Station ML : 1.6 1																								
KOVH	0.71	49.5	Pg	11:09:28.795	0.1					T__		75.1		---	MLv	15290619	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.71	49.5	Lg	11:09:37.818	-0.6					T__				---		15290620	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.8 1																								
KALN	0.79	310.2	Pn	11:09:30.440	-0.9					T__		60.4		---	MLv	15290621	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
KALN	0.79	310.2	Sn	11:09:41.583	-2.0					T__				---		15290622	FDSN	CR	--	BUD	iLoc	BHE	???	_
(Station ML : 1.7 1																								
BLY	0.85	186.6	Pn	11:09:32.260	-0.0					T__		31.9		---	MLv	15290623	FDSN	MN	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 1.5 1																								
ZAG	0.95	282.5	Pn	11:09:35.176	1.4					T__		665.9		---	MLv	15290624	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 2.9 0																								
MORH	1.10	57.1	Pg	11:09:35.622	-0.1					T__		14.3		---	MLv	15290625	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.10	57.1	Sn	11:09:52.148	1.2					T__				---		15290626	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.3 0																								
KOGS	1.11	318.2	Sn	11:09:52.466	1.4					T__				---		15290627	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
2019/02/28	15:48:51.28	1.05	0.64	46.1229	21.6639	15.0	4.0	93	0.0A		6	3	177	0.14	0.99	m	ke BUD	15290653	iLoc			312

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.2	3 ILOC	15290653

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
SIRR	0.14	359.8	Pg	15:48:54.923	0.2					T__		360.7		---	MLv	15290655	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.14	359.8	Lg	15:48:57.289	-0.4					T__				---		15290656	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 1.3 1																								
BZS	0.50	181.9	Pg	15:49:01.442	0.2					T__		25.9		---	MLv	15290657	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.50	181.9	Lg	15:49:08.256	-0.3					T__				---		15290658	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 1.1 1																								
DRGR	0.99	46.9	Pg	15:49:11.252	0.3					T__		59.4		---	MLv	15290659	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.99	46.9	Lg	15:49:24.597	-0.9					T__				---		15290660	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
2019/03/01	10:17:13.20	0.88	1.74	47.6786	18.5635	4.4	3.8	141	0.0S		16	9	69	0.22	1.62	m	sx BUD	15290674	iLoc			125

(description : suspected quarry blast)
(locality : Bersekbánya-II Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.0	4 ILOC	15290674

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
SRO	0.22	308.7	Lg	10:17:20.281	-1.9					T__				---		15290676	FDSN	SK	--	BUD	iLoc	EHE	???	_
SRO	0.22	308.7	Pg	10:17:19.400	1.4					T__		5.0		---		15290677	FDSN	IR	--	ISC	iLoc	???	???	_
BUD	0.37	121.9	Lg	10:17:26.372	-1.2					T__				---		15290678	FDSN	HU	--	BUD	iLoc	BHN	???	_

CSKK	0.38	213.2	Lg	10:17:25.667	-2.2	T__									15290679	FDSN	HU	--	BUD	iLoc	HHE	???	_
VYHS	0.84	12.5	Pg	10:17:29.938	-0.3	T__				13.5			MLv		15290680	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.84	12.5	Lg	10:17:42.252	-0.3	T__									15290681	FDSN	SK	--	BUD	iLoc	HHN	???	_
VYHS	0.84	12.5	Pg	10:17:31.400	1.2	T__				0.0					15290682	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.1 1																							
MPLH	0.86	234.2	Pg	10:17:31.750	1.3	T__				112.9			MLv		15290683	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.86	234.2	Lg	10:17:41.727	-1.3	T__									15290684	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 2.0 1																							
EGYH	0.87	253.0	Lg	10:17:43.098	-0.5	T__									15290685	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	0.93	74.5	Pn	10:17:31.592	-1.0	T__				96.4			MLv		15290686	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.93	74.5	Lg	10:17:45.904	-1.0	T__									15290687	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 2.0 1																							
MODS	1.11	309.3	Pn	10:17:35.120	-0.1	T__									15290688	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	1.11	309.3	Lg	10:17:50.005	-2.5	T__									15290689	FDSN	SK	--	BUD	iLoc	HHE	???	_
KOVH	1.62	191.5	Pn	10:17:44.661	2.7	T__				43.7			MLv		15290690	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	1.62	191.5	Sn	10:18:06.981	2.5	T__									15290691	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/01	12:03:04.63	0.20	0.26	46.9453	22.3215	1.8	1.1	177	3.1F	1.9	12	132	0.31	1.80	a	ke	BUC	15269303	ISC			360
2019/03/01	12:03:03.33	1.04	0.58	46.9750	22.3112	7.2	3.9	176	0.0S		28	9	139	0.33	1.83	m	sx	BUD	15290711	iLoc		215

Magnitude	Err	Nsta	Author	OrigID
ml	1.3		BUC	15269303
ML	1.7	0.5	4 ILOC	15290711

Sta	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	123.6	Pg	12:03:10.457	0.3					T__		68.8			MLv	15290713	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.33	123.6	Lg	12:03:15.581	-0.2					T__						15290714	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.33	123.6	Pg	12:03:10.625	0.5					T__						15290715	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.33	123.6	Pg	12:03:10.625	0.5					T__						15290716	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.33	123.6	Lg	12:03:15.118	-0.6					T__						15290717	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.1 1																								
BORR	0.38	288.0	Lg	12:03:17.719	-0.4					T__						15290718	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	0.38	288.0	Lg	12:03:17.719	-0.4					T__						15290719	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.47	67.9	Lg	12:03:20.299	-0.4					T__						15290720	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.47	67.9	Lg	12:03:20.299	-0.4					T__						15290721	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.63	118.0	Pg	12:03:16.086	0.1					T__						15290722	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.63	118.0	Pg	12:03:16.086	0.1					T__						15290723	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.63	118.0	Lg	12:03:25.255	-0.7					T__						15290724	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.84	212.6	Pg	12:03:20.746	0.4					T__						15290725	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.84	212.6	Pg	12:03:20.746	0.4					T__						15290726	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.84	212.6	Lg	12:03:31.667	-1.3					T__						15290727	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.84	212.4	Pg	12:03:20.497	0.2					T__		33.9			MLv	15290728	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.84	212.4	Lg	12:03:32.268	-0.8					T__						15290729	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.5 1																								
CJR	0.92	106.0	Pn	12:03:23.405	0.7					T__		158.4			MLv	15290730	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
CJR	0.92	106.0	Sn	12:03:37.112	-1.0					T__						15290731	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 2.2 1																								
SURR	1.23	186.1	Pg	12:03:27.335	0.3					T__						15290732	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.23	186.1	Pg	12:03:27.335	0.3					T__						15290733	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.61	168.3	Pg	12:03:33.861	-0.1					T__		39.6			MLv	15290734	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_

GZR	1.61	168.3	Pg	12:03:34.036	0.1	T__	---	15290735	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.61	168.3	Pg	12:03:34.036	0.1	T__	---	15290736	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.61	168.3	Sn	12:03:55.284	0.5	T__	---	15290737	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.61	168.3	Lg	12:03:56.573	-0.0	T__	---	15290738	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 2.0 1																
LOT	1.83	145.9	Sn	12:04:01.472	0.9	T__	---	15290739	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.83	145.9	Sn	12:04:01.472	0.9	T__	---	15290740	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/02	07:16:03.84	1.30	1.15	46.3887	21.4851	8.8	7.3	136	9.0F	8.7	9	5	157	0.17	1.34	m	ke BUD	15290758	iLoc			252

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.2	4 ILOC	15290758

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
SIRR	0.17	135.0	Pg	07:16:08.010	0.0					T__		32.1		---	MLv	15290760	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
SIRR	0.17	135.0	Lg	07:16:11.114	-0.1					T__				---		15290761	FDSN	RO	--	BUD	iLoc	BHN	???	_		
(Station ML : 0.3 1																										
AMBH	0.53	266.1	Lg	07:16:22.475	-0.2					T__				---		15290762	FDSN	HU	00	BUD	iLoc	BHN	???	_		
BZS	0.78	172.0	Pg	07:16:19.104	0.0					T__		35.5		---	MLv	15290763	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
BZS	0.78	172.0	Lg	07:16:29.180	-0.3					T__				---		15290764	FDSN	RO	--	BUD	iLoc	BHE	???	_		
(Station ML : 1.5 1																										
DRGR	0.94	64.1	Pg	07:16:22.565	0.1					T__		51.0		---	MLv	15290765	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
DRGR	0.94	64.1	Lg	07:16:34.320	-0.8					T__				---		15290766	FDSN	RO	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.7 1																										
GZR	1.34	137.4	Pn	07:16:29.384	1.4					T__		31.3		---	MLv	15290767	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
GZR	1.34	137.4	Sn	07:16:48.112	1.9					T__				---		15290768	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		
2019/03/04	07:29:39.39	2.32	1.11	47.2447	18.2429	17.8	5.1	134	0.0S		5	3	255	0.12	0.49	m	sx BUD	15290786	iLoc					310

(description : suspected quarry blast)
(locality : Iszkaszentgyörgy Hungary)

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	0.12	5.8	Pg	07:29:42.524	0.1					T__		351.4		---	MLv	15290788	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.12	5.8	Lg	07:29:45.139	-0.2					T__				---		15290789	FDSN	HU	--	BUD	iLoc	HHE	???	_
A268A	0.29	310.8	Lg	07:29:51.143	0.2					T__				---		15290790	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MPLH	0.49	261.4	Pg	07:29:50.054	0.6					T__		75.2		---	MLv	15290791	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.49	261.4	Lg	07:29:55.601	-1.4					T__				---		15290792	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2019/03/04	08:53:17.17	1.70	0.75	48.5942	20.7683	14.2	3.9	0	0.0S		12	6	164	0.22	1.29	m	sx BUD	15290801	iLoc					227

(description : suspected quarry blast)
(locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
ML 1.7 0.3 4 ILOC 15290801

Sta	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	239.5	Pg	08:53:21.623	-0.1					T__		1344.0		---	MLv	15290803	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.22	239.5	Lg	08:53:24.736	-0.6					T__				---		15290804	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.22	239.5	Lg	08:53:25.700	0.4					T__		1.3		---		15290805	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.0 1																								
ABAH	0.43	133.4	Pg	08:53:25.872	-0.2					T__		112.4		---	MLv	15290806	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.43	133.4	Lg	08:53:33.031	-0.5					T__				---		15290807	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.43	133.4	Lg	08:53:34.200	0.7					T__		0.1		---		15290808	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.6 1																								
PSZ	0.89	221.1	Pg	08:53:36.989	1.0					T__		63.6		---	MLv	15290809	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.89	221.1	Lg	08:53:48.980	-0.4					T__				---		15290810	FDSN	GE	--	BUD	iLoc	BHZ	???	_
(Station ML : 1.8 1																								
KOLS	1.05	70.6	Lg	08:53:53.854	0.4					T__				---		15290811	FDSN	SK	--	BUD	iLoc	HHN	???	_
A336A	1.23	253.6	Sn	08:54:00.328	1.2					T__				---		15290812	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	1.29	266.3	Pn	08:53:41.858	0.3					T__		15.6		---	MLv	15290813	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.29	266.3	Sn	08:53:59.850	-1.1					T__				---		15290814	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
2019/03/04 11:00:31.44 1.02 0.77 48.1609 17.0000 7.0 3.9 152 0.0S 14 8 156 0.28 1.35 m sx BUD 15290834 iLoc 187
(description : suspected quarry blast)
(locality : Hainburg Austria)

Magnitude Err Nsta Author OrigID
ML 2.1 0.0 6 ILOC 15290834

Sta	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	41.0	Pg	11:00:37.781	0.1					T__				---		15290836	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.28	41.0	Lg	11:00:42.242	-0.5					T__				---		15290837	FDSN	SK	--	BUD	iLoc	HHN	???	_
CONA	0.80	253.5	Pg	11:00:47.586	0.3					T__		83.7		---	MLv	15290838	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
CONA	0.80	253.5	Lg	11:00:56.961	-0.8					T__				---		15290839	FDSN	OE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.9 0																								
JAVC	0.83	32.3	Pn	11:00:51.160	1.2					T__		123.8		---	MLv	15290840	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 2.1 1																								
A335A	0.94	71.7	Lg	11:01:04.481	-0.3					T__				---		15290841	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KRUC	0.99	336.2	Pg	11:00:51.335	0.9					T__		85.5		---	MLv	15290842	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_
KRUC	0.99	336.2	Lg	11:01:05.006	0.0					T__				---		15290843	FDSN	CZ	--	BUD	iLoc	BHE	???	_
(Station ML : 2.0 1																								
A007A	1.13	300.1	Pg	11:00:53.646	0.6					T__		92.9		---	MLv	15290844	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A007A	1.13	300.1	Lg	11:01:07.467	-1.6					T__				---		15290845	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 2.1 1																								
VRAC	1.18	347.0	Pg	11:00:53.786	0.0					T__		90.2		---	MLv	15290846	FDSN	CZ	--	BUD	iLoc	BHN	BHZ	_
VRAC	1.18	347.0	Lg	11:01:10.768	-0.3					T__				---		15290847	FDSN	CZ	--	BUD	iLoc	BHE	???	_
(Station ML : 2.1 1																								
ARSA	1.35	228.1	Pn	11:00:56.900	-0.3					T__		106.9		---	MLv	15290848	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
ARSA	1.35	228.1	Lg	11:01:14.463	0.0					T__				---		15290849	FDSN	OE	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/04	11:54:14.04	1.81	0.60	46.1115	17.9957	17.3	4.3	38	0.0S	7	4	228	0.08	1.10	m	kx	BUD	15290875	iLoc			259
2019/03/04	11:54:14.28f		0.43	46.1254	18.0152f				0.0S	7		210	0.07	1.10	a	kx	BUD_GT	15327529	BUD			254

(GT info : GT2 explosion)
 (description : known quarry blast)
 (locality : Bükkösd-II Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.5	4 BUD	15290875
ML	1.8	0.5	4 ILOC	15327529

Sta	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	122.2	Pg	11:54:16.577	0.2					T__		1035.9		___	MLv	15329192	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.07	122.2	Lg	11:54:17.391	-0.9					T__				---		15329193	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 1.5 1																								
A265A	0.34	333.1	Pg	11:54:21.628	0.0					T__		817.3		___	MLv	15329194	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 2.1 1																								
MORH	0.45	78.1	Pg	11:54:24.148	0.5					T__		58.1		___	MLv	15329195	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.45	78.1	Lg	11:54:30.688	-0.1					T__				---		15329196	FDSN	HU	--	BUD	BUD	BHE	???	_
(Station ML : 1.3 1																								
MPLH	1.10	342.8	Pg	11:54:36.424	0.2					T__		82.4		___	MLv	15329197	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MPLH	1.10	342.8	Sn	11:54:51.641	-0.3					T__				---		15329198	FDSN	HU	--	BUD	BUD	BHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/03/04	21:46:13.53	0.78	0.98	47.5591	18.9461	3.6	2.8	120	8.6F	5.4	24	14	84	0.09	1.58	m	ke	BUD	15290901	iLoc			135

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.2	13 ILOC	15290901

Sta	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	0.09	145.1	Pg	21:46:16.442	0.2					T__		326.1		_c_	MLv	15290903	FDSN	HU	--	BUD	iLoc	BH	BHZ	_
BUD	0.09	145.1	Lg	21:46:17.791	-0.7					T__				---		15290904	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.1 0																								
A270A	0.29	9.7	Pg	21:46:20.541	0.8					T__		268.8		___	MLv	15290905	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A270A	0.29	9.7	Lg	21:46:25.216	0.5					T__				---		15290906	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 1.5 1																								
A269A	0.39	282.0	Pg	21:46:22.148	0.6					T__		302.9		___	MLv	15290907	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A269A	0.39	282.0	Lg	21:46:27.403	-0.7					T__				---		15290908	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 1.9 1																								
CSKK	0.50	247.4	Pg	21:46:23.520	-0.2					T__		114.5		___	MLv	15290909	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.50	247.4	Lg	21:46:31.006	-1.1					T__				---		15290910	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.8 1																								
A338A	0.61	319.0	Pg	21:46:26.896	1.1					T__		186.9		___	MLv	15290911	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.1 1																								
A336A	0.68	3.0	Pg	21:46:27.574	0.3					T__		117.8		___	MLv	15290912	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A336A	0.68	3.0	Lg	21:46:36.270	-1.3					T__				---		15290913	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
(Station ML : 1.9 1																								
A267A	0.69	207.4	Pg	21:46:27.821	0.6					T__		157.2		___	MLv	15290914	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A267A	0.69	207.4	Lg	21:46:37.855	-0.2					T__				---		15290915	FDSN	Z3	00	BUD	iLoc	HHN	???	_

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(Station ML : 2.1 1
PSZ 0.73 60.3 Pg 21:46:29.216 0.2 T__ 72.8 ___ MLv 15290916 FDSN GE -- BUD iLoc BHZ BHZ _
PSZ 0.73 60.3 Lg 21:46:39.224 -0.9 T__ ___ 15290917 FDSN GE -- BUD iLoc BHN ??? _
(Station ML : 1.8 1
VYHS 0.94 355.5 Pn 21:46:32.422 0.6 T__ 14.6 ___ MLv 15290918 FDSN SK -- BUD iLoc HHZ HHZ _
VYHS 0.94 355.5 Lg 21:46:44.229 -1.8 T__ ___ 15290919 FDSN SK -- BUD iLoc HHN ??? _
(Station ML : 1.2 0
TIH 0.98 228.0 Pn 21:46:32.753 0.7 T__ 406.8 ___ MLv 15290920 FDSN HU -- BUD iLoc HHZ HHZ _
TIH 0.98 228.0 Lg 21:46:46.782 -0.3 T__ ___ 15290921 FDSN HU -- BUD iLoc HHN ??? _
(Station ML : 2.7 0
A335A 0.98 335.5 Lg 21:46:46.795 -1.2 T__ ___ 15290922 FDSN Z3 00 BUD iLoc HHE ??? _
MPLH 1.03 248.4 Pn 21:46:33.516 0.6 T__ 70.3 ___ MLv 15290923 FDSN HU -- BUD iLoc BHZ BHZ _
(Station ML : 1.9 1
MORH 1.36 188.9 Pn 21:46:37.401 0.2 T__ 48.5 ___ MLv 15290924 FDSN HU -- BUD iLoc BHZ BHZ _
MORH 1.36 188.9 Sn 21:46:58.045 2.2 T__ ___ 15290925 FDSN HU -- BUD iLoc BHN ??? _
(Station ML : 1.9 1
KOVH 1.58 201.9 Pn 21:46:41.023 0.6 T__ 73.8 ___ MLv 15290926 FDSN HU -- BUD iLoc HHZ 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
2019/03/05 09:51:25.92 0.91 1.04 48.4929 17.5299 4.8 3.6 146 0.0A 12 8 140 0.21 1.25 m ke BUD 15290980 iLoc 149

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Magnitude Err Nsta Author OrigID
ML 1.5 0.5 3 ILOC 15290980

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Sta 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 0.21 234.6 Pg 09:51:30.358 -0.3 T__ ___ 15290982 FDSN SK -- BUD iLoc HHZ ??? _
MODS 0.21 234.6 Lg 09:51:34.011 -0.5 T__ ___ 15290983 FDSN SK -- BUD iLoc HHE ??? _
A333A 0.36 308.4 Lg 09:51:41.703 2.6 T__ ___ 15290984 FDSN Z3 00 BUD iLoc HH3 ??? _
JAVC 0.38 14.2 Pg 09:51:33.513 -0.5 T__ 155.1 ___ MLv 15290985 FDSN CZ -- BUD iLoc BHZ BHZ _
JAVC 0.38 14.2 Lg 09:51:39.722 -0.7 T__ ___ 15290986 FDSN CZ -- BUD iLoc BHN ??? _
(Station ML : 1.5 1
A335A 0.54 94.6 Lg 09:51:46.175 0.8 T__ ___ 15290987 FDSN Z3 00 BUD iLoc HHN ??? _
VYHS 0.87 89.4 Pn 09:51:45.447 0.7 T__ 15.5 ___ MLv 15290988 FDSN SK -- BUD iLoc HHZ HHZ _
VYHS 0.87 89.4 Lg 09:51:56.898 0.8 T__ ___ 15290989 FDSN SK -- BUD iLoc HHN ??? _
(Station ML : 1.2 1
KRUC 0.94 307.6 Lg 09:51:57.636 -0.2 T__ ___ 15290990 FDSN CZ -- BUD iLoc BHN ??? _
VRAC 1.02 323.2 Lg 09:52:00.155 -0.2 T__ ___ 15290991 FDSN CZ -- BUD iLoc BHE ??? _
CONA 1.25 243.8 Pn 09:51:50.180 -0.2 T__ 92.2 ___ MLv 15290992 FDSN OE -- BUD iLoc BHZ BHZ _
CONA 1.25 243.8 Sn 09:52:08.043 -0.5 T__ ___ 15290993 FDSN OE -- BUD iLoc BHE ??? _

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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
2019/03/05 09:54:58.10 1.06 1.04 47.5503 18.4729 7.5 3.5 109 0.0S 8 5 166 0.11 0.98 m kx BUD 15291007 iLoc 203
2019/03/05 09:54:57.93f 0.85 47.5600 18.4573f 0.0S 8 161 0.09 0.97 a kx BUD_GT 15327533 BUD 199

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

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Magnitude Err Nsta Author OrigID

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ML 1.5 0.3 3 BUD 15291007
 ML 1.5 0.4 3 ILOC 15327533

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
A269A	0.09	327.2	Pg	09:55:00.835	0.5					T__		4711.3		---	MLv	15329199	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_		
A269A	0.09	327.2	Lg	09:55:02.444	-0.3					T__				---		15329200	FDSN	Z3	00	BUD	BUD	HHN	???	_		
(Station ML : 2.2 1																										
CSKK	0.24	214.2	Pg	09:55:03.343	0.1					T__		337.0		---	MLv	15329201	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_		
CSKK	0.24	214.2	Lg	09:55:06.709	-1.1					T__				---		15329202	FDSN	HU	--	BUD	BUD	HHE	???	_		
(Station ML : 1.5 1																										
A270A	0.47	52.8	Lg	09:55:15.896	-0.0					T__				---		15329203	FDSN	Z3	00	BUD	BUD	HHN	???	_		
MPLH	0.74	238.3	Sn	09:55:25.624	-1.8					T__				---		15329204	FDSN	HU	--	BUD	BUD	HHN	???	_		
VYHS	0.97	15.1	Pn	09:55:18.427	0.5					T__		16.3		---	MLv	15329205	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_		
VYHS	0.97	15.1	Lg	09:55:32.700	0.9					T__				---		15329206	FDSN	SK	--	BUD	BUD	HHZ	???	_		

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/03/05 10:02:28.91 1.12 0.86 48.6046 20.7855 7.6 5.6 38 0.0S 12 8 92 0.23 1.74 m sx BUD 15291030 iLoc 128
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 2.0 0.4 6 ILOC 15291030

Sta	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	238.7	Pg	10:02:33.489	-0.3					T__		2641.2		---	MLv	15291032	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_		
KECS	0.23	238.7	Lg	10:02:37.443	-0.1					T__				---		15291033	FDSN	SK	--	BUD	iLoc	EHE	???	_		
(Station ML : 2.4 1																										
ABAH	0.43	135.4	Pg	10:02:38.809	1.1					T__		99.7		---	MLv	15291034	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
ABAH	0.43	135.4	Lg	10:02:43.977	-1.2					T__				---		15291035	FDSN	HU	--	BUD	iLoc	HHE	???	_		
(Station ML : 1.5 1																										
PSZ	0.91	221.3	Pg	10:02:47.603	-0.4					T__		130.9		---	MLv	15291036	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	0.91	221.3	Lg	10:03:01.129	-0.5					T__				---		15291037	FDSN	GE	--	BUD	iLoc	BHN	???	_		
(Station ML : 2.1 1																										
LANS	1.03	302.6	Pg	10:02:49.329	0.2					T__		65.6		---	MLv	15291038	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_		
(Station ML : 1.9 1																										
KOLS	1.04	71.0	Sn	10:03:06.426	-0.5					T__				---		15291039	FDSN	SK	--	BUD	iLoc	HHE	???	_		
HOLU	1.06	93.6	Pn	10:02:50.727	0.7					T__				---		15291040	FDSN	UA	--	BUD	iLoc	MHZ	???	_		
VYHS	1.30	265.8	Pn	10:02:54.070	0.6					T__		17.3		---	MLv	15291041	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_		
VYHS	1.30	265.8	Sn	10:03:11.453	-1.5					T__				---		15291042	FDSN	SK	--	BUD	iLoc	HHN	???	_		
(Station ML : 1.5 0																										
OJC	1.74	338.6	Pg	10:03:02.960	-0.2					T__		87.2		---	MLv	15291043	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_		
(Station ML : 2.4 0																										
MORI	5.90	218.5	Pn	10:04:07.370	9.6					---				---		15291044	FDSN	IR	--	ISC	iLoc	???	???	_		
MORI	5.90	218.5	Sn	10:04:29.250	-36.6					---				---		15291045	FDSN	IR	--	ISC	iLoc	???	???	_		

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/03/06 08:15:00.72 1.47 0.60 48.4600 19.2043 9.4 4.3 53 0.0S 8 5 207 0.25 1.29 m sx BUD 15291071 iLoc 279
 (description : suspected quarry blast)

(locality : Krupina Slovakia)

Magnitude Err Nsta Author OrigID
ML 2.1 0.0 3 ILOC 15291071

Sta	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	0.25	278.0	Pg	08:15:06.274	0.3					T__		82.3		---	MLv	15291073	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.25	278.0	Lg	08:15:09.124	-0.8					T__				---		15291074	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 0.9 1																								
A336A	0.26	211.2	Pg	08:15:06.708	0.4					T__		1162.0		---	MLv	15291075	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A336A	0.26	211.2	Lg	08:15:10.251	-0.4					T__				---		15291076	FDSN	Z3	00	BUD	iLoc	HH2	???	_
(Station ML : 2.1 1																								
PSZ	0.71	139.3	Lg	08:15:26.122	-0.7					T__				---		15291077	FDSN	GE	--	BUD	iLoc	BHN	???	_
JAVC	1.09	292.0	Pg	08:15:23.284	0.4					T__		100.7		---	MLv	15291078	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_
JAVC	1.09	292.0	Lg	08:15:39.235	-0.2					T__				---		15291079	FDSN	CZ	--	BUD	iLoc	BHN	???	_
(Station ML : 2.1 1																								
MODS	1.29	266.8	Lg	08:15:45.515	-0.3					T__				---		15291080	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	
2019/03/06	08:16:54.25	0.96	0.53	47.1150	17.9749	4.8	4.7	140	0.0S		8	5	114	0.30	1.03	m	sx BUD	15291094	iLoc			178	
(description : suspected quarry blast)																							
(locality : Királyszentistván Hungary)																							

Magnitude Err Nsta Author OrigID
ML 1.2 0.1 3 ILOC 15291094

Sta	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	0.30	280.7	Pg	08:17:00.860	0.1					T__		62.7		---	MLv	15291096	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.30	280.7	Lg	08:17:05.872	-0.0					T__				---		15291097	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 0.9 1																								
CSKK	0.32	38.0	Pg	08:17:01.255	0.2					T__		136.3		---	MLv	15291098	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.32	38.0	Lg	08:17:06.432	-0.6					T__				---		15291099	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.3 1																								
A268A	0.32	353.7	Lg	08:17:06.986	0.1					T__				---		15291100	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MORH	1.01	152.6	Pg	08:17:14.829	0.5					T__		15.3		---	MLv	15291101	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.01	152.6	Lg	08:17:28.926	-0.3					T__				---		15291102	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.2 1																								
KOVH	1.03	175.2	Lg	08:17:29.231	-0.9					T__				---		15291103	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/03/06	10:56:15.96	1.40	0.74	48.5806	20.7448	13.3	4.0	0	0.0S		13	8	163	0.20	1.32	m	sx BUD	15291117	iLoc			175	
(description : suspected quarry blast)																							
(locality : Dvorniky-Vcelare Slovakia)																							

Magnitude Err Nsta Author OrigID
ML 1.9 0.2 5 ILOC 15291117

Sta	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	0.20	240.6	Pg	10:56:20.044	-0.1	T__	1050.0	___	MLv	15291119	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.20	240.6	Lg	10:56:24.055	0.7	T__		___		15291120	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.9 1																		
ABAH	0.44	130.6	Pg	10:56:25.064	0.2	T__	75.9	___	MLv	15291121	FDSN	HU	--	BUD	iLoc	HHN	HHZ	_
ABAH	0.44	130.6	Lg	10:56:32.059	-0.3	T__		___		15291122	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.4 1																		
PSZ	0.87	220.9	Pn	10:56:33.306	-1.3	T__	109.0	___	MLv	15291123	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.87	220.9	Lg	10:56:46.973	-0.5	T__		___		15291124	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 2.0 1																		
KOLS	1.07	70.2	Lg	10:56:51.949	-0.9	T__		___		15291125	FDSN	SK	--	BUD	iLoc	HHE	???	_
HOLU	1.09	92.2	Pn	10:56:37.955	0.5	T__		___		15291126	FDSN	UA	--	BUD	iLoc	MHZ	???	_
A336A	1.21	254.0	Pg	10:56:40.544	0.2	T__	85.9	___	MLv	15291127	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A336A	1.21	254.0	Lg	10:56:58.612	-0.1	T__		___		15291128	FDSN	Z3	00	BUD	iLoc	HH3	???	_
(Station ML : 2.1 0																		
VYHS	1.27	266.8	Pn	10:56:40.309	0.2	T__	9.9	___	MLv	15291129	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.27	266.8	Sn	10:56:58.554	-0.7	T__		___		15291130	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.2 0																		
STZU	1.32	69.9	Pn	10:56:42.050	1.2	T__		___		15291131	FDSN	UA	--	BUD	iLoc	MHZ	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/06	11:25:55.93	1.41	1.35	48.3547	21.2307	10.8	7.0	35	0.0S		12	7	124	0.06	1.14	m	kx BUD	15291153	iLoc			165
2019/03/06	11:25:56.24f		0.88	48.2470	21.2460f				0.0S		12		153	0.05	1.19	a	kx BUD_GT	15327545	BUD			198
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Tallya Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.4	4 BUD	15291153
ML	1.7	0.4	4 ILOC	15327545

Sta	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	11:25:57.730	-0.1					T__		6699.5		___	MLv	15329207	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
ABAH	0.05	355.1	Lg	11:25:59.492	0.1					T__				___		15329208	FDSN	HU	--	BUD	BUD	HHN	???	_
(Station ML : 2.3 1																								
KECS	0.56	295.3	Pg	11:26:08.119	0.6					T__		78.4		___	MLv	15329209	FDSN	SK	--	BUD	BUD	EHE	EHZ	_
KECS	0.56	295.3	Lg	11:26:13.998	-2.1					T__				___		15329210	FDSN	SK	--	BUD	BUD	EHN	???	_
(Station ML : 1.7 1																								
HOLU	0.81	69.3	Pn	11:26:13.725	-0.0					T__				___		15329211	FDSN	UA	--	BUD	BUD	MHZ	???	_
HOLU	0.81	69.3	Sn	11:26:27.190	-1.1					T__				___		15329212	FDSN	UA	--	BUD	BUD	MHZ	???	_
TRPA	0.87	97.2	Pg	11:26:13.650	0.4					T__		17.2		___	MLv	15329214	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
TRPA	0.87	97.2	Lg	11:26:26.996	-0.7					T__				___		15329215	FDSN	HU	--	BUD	BUD	BHZ	???	_
(Station ML : 1.2 1																								
PSZ	0.96	250.6	Pn	11:26:15.901	-0.2					T__		50.8		___	MLv	15329216	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.96	250.6	Lg	11:26:31.458	0.5					T__				___		15329217	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.7 1																								
KOLS	0.97	44.4	Lg	11:26:30.711	0.2					T__				___		15329213	FDSN	SK	--	BUD	BUD	HHE	???	_
STZU	1.19	49.4	Pn	11:26:20.981	1.6					T__				___		15329218	FDSN	UA	--	BUD	BUD	MHZ	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/07	08:30:49.18	0.36	0.51	46.8423	22.8801	3.2	2.1	167	3.0A	13	175	0.13	2.06	a	ke	BUC	15269356	ISC				360
2019/03/07	08:30:47.19	1.43	0.70	46.9006	22.8751	11.9	5.3	161	0.0S	27	8	191	0.16	2.10	m	sx	BUD	15291184	iLoc			260

(description : suspected quarry blast)
(locality : Poieni Romania)

Magnitude	Err	Nsta	Author	OrigID
m1	1.0		BUC	15269356
ML	1.8	0.2	3 ILOC	15291184

Sta	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	226.0	Pg	08:30:50.577	-0.1					T__		203.5		---	MLv	15291186	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.16	226.0	Lg	08:30:53.681	0.0					T__				---		15291187	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.16	226.0	Pg	08:30:50.200	-0.5					T__		0.2		---		15291188	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.16	226.0	Pb	08:30:50.469	-0.2					T__				---		15291189	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.16	226.0	Pb	08:30:50.469	-0.2					T__		0.1		---		15291190	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.16	226.0	Lg	08:30:52.700	-1.0					T__		0.2		---		15291191	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.16	226.0	Sg	08:30:54.124	0.5					T__		0.1		---		15291192	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.16	226.0	Sg	08:30:54.124	0.5					T__				---		15291193	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.0 1																								
MARR	0.28	143.2	Pg	08:30:53.167	0.1					T__				---		15291194	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.28	143.2	Pg	08:30:53.167	0.1					T__				---		15291195	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.28	143.2	Lg	08:30:57.151	-0.8					T__				---		15291196	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.05	233.2	Lg	08:31:23.147	-0.1					T__				---		15291197	FDSN	RO	--	BUD	iLoc	BHE	???	_
GZR	1.51	182.6	Pg	08:31:16.400	0.6					T__		0.0		---		15291198	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.51	182.6	Pg	08:31:16.735	0.9					T__		30.4		---	MLv	15291199	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.51	182.6	Sn	08:31:36.600	0.4					T__		0.0		---		15291200	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.51	182.6	Lg	08:31:36.735	-0.5					T__				---		15291201	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.8 1																								
BZS	1.54	214.2	Lg	08:31:38.312	0.6					T__				---		15291202	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	1.55	214.7	Sn	08:31:36.500	-0.2					T__				---		15291203	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.58	156.5	Lg	08:31:39.500	-0.5					T__		0.0		---		15291204	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.58	156.5	Pg	08:31:17.651	0.3					T__		35.5		---	MLv	15291205	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
LOT	1.58	156.5	Sn	08:31:39.279	0.6					T__				---		15291206	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.9 1																								
BURAR	1.75	65.0	Lg	08:31:44.808	-0.4					T__				---		15291207	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	1.75	65.0	Sg	08:31:45.700	0.5					T__				---		15291208	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	1.75	64.0	Pg	08:31:21.315	0.2					T__				---		15291209	FDSN	RO	--	BUD	iLoc	BHZ	???	_
VOIR	2.10	133.3	Pn	08:31:25.432	1.8					T__				---		15291210	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.10	133.3	Pn	08:31:25.432	1.8					T__				---		15291211	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.10	133.3	Sn	08:31:51.701	-0.2					T__				---		15291212	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/07	10:26:16.69	2.12	0.16	46.1272	18.0670	16.8	5.3	129	0.0S	6	3	244	0.05	0.71	m	kx	BUD	15291233	iLoc			316
2019/03/07	10:26:16.23f		0.59	46.1254	18.0152f				0.0S	6		248	0.07	0.70	a	kx	BUD_GT	15327551	BUD			315

(GT info : GT2 explosion)
(description : known quarry blast)
(locality : Bükkösd-II Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.1	3 BUD	15291233

ML 1.7 0.0 3 ILOC 15327551

Sta	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	122.2	Pg	10:26:18.340	0.0					T__		1538.6		---	MLv	15329219	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.07	122.2	Lg	10:26:19.816	-0.4					T__				---		15329220	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 1.7 1																								
MORH	0.45	78.1	Pg	10:26:25.363	-0.2					T__		11.0		---	MLv	15329221	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.45	78.1	Lg	10:26:32.030	-0.7					T__				---		15329222	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 0.6 1																								
A252A	0.70	189.7	Pg	10:26:31.037	0.6					T__		60.6		---	MLv	15329223	FDSN	Z3	--	BUD	BUD	HHZ	HHZ	_
A252A	0.70	189.7	Lg	10:26:40.370	1.0					T__				---		15329224	FDSN	Z3	--	BUD	BUD	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/07	11:21:01.93	2.01	0.31	46.1204	18.0732	15.7	5.3	128	0.0S		6	3	243	0.04	0.70	m	kx BUD	15291254	iLoc			316
2019/03/07	11:21:01.34f		0.63	46.1254	18.0152f				0.0S		6		248	0.07	0.70	a	kx BUD_GT	15327555	BUD			315

(GT info : GT2 explosion)

(description : known quarry blast)

(locality : Bükkösd-II Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.0	3 BUD	15291254
ML	1.6	0.2	3 ILOC	15327555

Sta	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	122.2	Pg	11:21:03.509	0.1					T__		1841.0		---	MLv	15329225	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.07	122.2	Lg	11:21:04.562	-0.8					T__				---		15329226	FDSN	HU	--	BUD	BUD	BHZ	???	_
(Station ML : 1.8 1																								
MORH	0.45	78.1	Pg	11:21:10.516	-0.2					T__		10.8		---	MLv	15329227	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.45	78.1	Lg	11:21:17.335	-0.6					T__				---		15329228	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 0.6 1																								
A252A	0.70	189.7	Pg	11:21:16.142	0.6					T__		57.7		---	MLv	15329229	FDSN	Z3	--	BUD	BUD	HHZ	HHZ	_
A252A	0.70	189.7	Lg	11:21:25.552	1.1					T__				---		15329230	FDSN	Z3	--	BUD	BUD	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/07	19:07:54.30	0.70		46.3720	17.3030	0.1	0.1		18.0F	4.8	27			1.58	4.89	a	ke BEO	15269422	ISC			360
2019/03/07	19:07:54.36	0.41	1.58	46.3155	17.3735	2.5	2.3	165	12.6F	0.2	563	327	7	0.17	64.96	m	ke BUD	15291275	iLoc			11
2019/03/07	19:07:53.70		1.02	46.2900	17.3100				11.0A				6	1.56	5.18	a	ke CSEM	15269413	ISC			360
2019/03/07	19:07:55.20			46.2800	17.1700				10.0A							a	ke GFZ	15269425	ISC			360
2019/03/07	19:07:52.87	1.29	1.01	46.2836	17.3095	21.2	9.3	26	0.0A		15	184	3	3.06	64.98	a	ke IDC	15269402	ISC			360
2019/03/07	19:07:52.91	2.62	1.29	46.3834	17.3539	10.5	7.4	165	10.0A		38	33	0.41			a	se NEIC	15269408	ISC			360
2019/03/07	19:07:54.00			46.3800	17.2500				1.0A		22					a	ke PRU	15269416	ISC			360
2019/03/07	19:07:54.20	0.28		46.2910	17.2610	0.0	0.0		13.1F	2.0	48			0.38	4.33	a	ke RHSSO	15269419	ISC			360
2019/03/07	19:07:53.07	1.79	0.88	46.2900	17.3100	9.2	7.9	114	11.0F	8.2			6	1.56		a	se VIE	15269411	ISC			360
2019/03/07	19:07:54.00		52.80	46.3070	17.3020				14.4F		0		8	0.15	94.86	a	ke BUD_DD	15332120	BUD_DD			11

(description : hypoDD analysis)

(locality : Somogyszob Hungary)

(reference : Wéber, Czece, Süle, Bondár (2020) doi.org/10.1007/s40328-020-00311-7)

Magnitude	Err	Nsta	Author	OrigID
ML	3.8		BEO	15269422
ML	4.0	0.1	181 BUD	15291275
mb	4.0		CSEM	15269413
mb	4.0		GFZ	15269425
ML	3.6		IDC	15269402
MS	3.2		IDC	15269402
mb	3.5		IDC	15269402
mbtmp	3.6		IDC	15269402
mb	4.5		NEIC	15269408
M	4.5		PRU	15269416
ML	3.9		RHSSO	15269419
ML	4.0	0.1	181 ILOC	15332120

Sta	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	0.15	183.4	Pg	19:07:58.552	0.5					T__		112056.8		_d_	MLv	15332479	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_		
A264A	0.15	183.4	Lg	19:08:00.011	-0.9					T__				---		15332480	FDSN	Z3	00	BUD	BUD	HHN	???	_		
(Station ML : 3.8 0)																										
A263A	0.33	1.5	Pg	19:08:01.016	-0.2					T__		65330.7		_d_	MLv	15332482	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_		
(Station ML : 4.0 1)																										
A265A	0.36	70.8	Pg	19:08:02.264	0.6					T__		76356.0		_d_	MLv	15332481	FDSN	Z3	00	BUD	BUD	HHN	HHZ	_		
(Station ML : 4.2 1)																										
BEHE	0.40	294.3	Pg	19:08:01.900	-0.5					T__				---		15332122	FDSN	IR	--	ISC	BUD	???	???	_		
BEHE	0.40	294.3	x	19:08:02.170	-99.0					---				---		15332123	FDSN	IR	--	ISC	BUD	???	???	_		
BEHE	0.40	294.3	Pb	19:08:02.500	0.1					T__		21.9		---		15332124	FDSN	IR	--	ISC	BUD	???	???	_		
BEHE	0.40	294.3	Pg	19:08:02.636	0.3					T__		21945.2		_d_	MLv	15332690	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_		
BEHE	0.40	294.3	x	19:08:02.800	-99.0					---				---		15332125	FDSN	IR	--	ISC	BUD	???	???	_		
BEHE	0.40	294.3	Lg	19:08:08.014	-0.1					T__				---		15332463	FDSN	HU	--	BUD	BUD	BHE	???	_		
BEHE	0.40	294.3	Lg	19:08:08.700	0.6					T__				---		15332129	FDSN	IR	--	ISC	BUD	???	???	_		
BEHE	0.40	294.3	Sg	19:08:08.900	0.8					T__		21.9		---		15332130	FDSN	IR	--	ISC	BUD	???	???	_		
(Station ML : 3.8 0)																										
A273A	0.53	137.3	Pn	19:08:05.501	-0.3					T__		179.9		---	MLv	15332483	FDSN	Z3	--	BUD	BUD	HHZ	HHZ	_		
(Station ML : 2.0 0)																										
KOVH	0.60	111.2	Pg	19:08:05.745	-0.2					T__		11373.7		---	MLv	15332484	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_		
KOVH	0.60	111.2	Pg	19:08:06.000	0.0					T__		11.4		---		15332126	FDSN	IR	--	ISC	BUD	???	???	_		
KOVH	0.60	111.2	Lg	19:08:14.355	0.2					T__				---		15332464	FDSN	HU	--	BUD	BUD	BHN	???	_		
(Station ML : 3.9 1)																										
KALN	0.61	253.7	Pg	19:08:05.963	-0.2					T__		16398.1		_d_	MLv	15332504	FDSN	CR	--	BUD	BUD	BHZ	BHZ	_		
KALN	0.61	253.7	Sn	19:08:16.711	-0.2					T__				---		15332581	FDSN	CR	--	BUD	BUD	BHN	???	_		
(Station ML : 4.1 1)																										
A261A	0.65	350.8	Pg	19:08:06.800	-0.2					T__		19671.2		_d_	MLv	15332485	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_		
A261A	0.65	350.8	Lg	19:08:15.452	-0.6					T__				---		15332691	FDSN	Z3	00	BUD	BUD	HHN	???	_		
(Station ML : 4.2 1)																										
A266A	0.70	71.5	Pn	19:08:08.272	0.2					T__		54961.2		_d_	MLv	15332486	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_		
(Station ML : 4.6 0)																										
TIH	0.72	34.3	Pg	19:08:07.500	-0.7					T__		74.7		---		15332127	FDSN	IR	--	ISC	BUD	???	???	_		
TIH	0.72	34.0	Pg	19:08:08.083	-0.1					T__		59140.0		_d_	MLv	15332487	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_		
TIH	0.72	34.0	Lg	19:08:17.006	-1.6					T__				---		15332503	FDSN	HU	--	BUD	BUD	HHE	???	_		
TIH	0.72	34.3	Sn	19:08:19.500	0.0					T__		74.7		---		15332152	FDSN	IR	--	ISC	BUD	???	???	_		
(Station ML : 4.7 0)																										
KOGS	0.74	281.4	Pg	19:08:08.350	-0.0					T__				---		15332128	FDSN	IR	--	ISC	BUD	???	???	_		
KOGS	0.74	281.4	Lg	19:08:18.740	0.5					T__				---		15332151	FDSN	IR	--	ISC	BUD	???	???	_		
KOGS	0.74	281.4	IAML	19:08:27.030	-99.0					---		1682.0	0.30	---		15332172	FDSN	IR	--	ISC	BUD	???	???	_		

A262A	0.77	316.5	Pn	19:08:10.338	1.1	T__	8285.2	_c_ MLv	15332488	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A262A	0.77	316.5	Sn	19:08:21.120	0.7	T__		---	15332692	FDSN	Z3	00	BUD	BUD	HHE	???	_
(Station ML : 3.8 1																	
MOSL	0.79	209.0	Pg	19:08:09.437	0.0	T__	33004.7	_d_ MLv	15332505	FDSN	CR	--	BUD	BUD	BHZ	BHZ	_
MOSL	0.79	209.0	Pg	19:08:09.600	0.2	T__		---	15332131	FDSN	IR	--	ISC	BUD	???	???	_
MOSL	0.79	209.0	Lg	19:08:20.220	0.2	T__		---	15332693	FDSN	CR	--	BUD	BUD	BHN	???	_
(Station ML : 4.5 0																	
MPLH	0.88	10.6	Pn	19:08:10.300	-0.4	T__	11.8	---	15332132	FDSN	IR	--	ISC	BUD	???	???	_
MPLH	0.88	10.6	Pn	19:08:10.590	-0.0	T__	30124.5	_d_ MLv	15332489	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MPLH	0.88	10.6	x	19:08:10.700	-99.0	---		---	15332133	FDSN	IR	--	ISC	BUD	???	???	_
MPLH	0.88	10.6	Lg	19:08:24.721	1.0	T__		---	15332432	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 4.5 0																	
MORH	0.94	95.2	Pn	19:08:11.300	0.1	T__	1.6	---	15332134	FDSN	IR	--	ISC	BUD	???	???	_
MORH	0.94	95.2	Pg	19:08:11.400	-0.7	T__		---	15332135	FDSN	IR	--	ISC	BUD	???	???	_
MORH	0.94	95.1	Pg	19:08:11.803	-0.3	T__	1562.8	___ MLv	15332447	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.94	95.2	Pb	19:08:11.953	-0.2	T__		---	15332136	FDSN	IR	--	ISC	BUD	???	???	_
MORH	0.94	95.2	x	19:08:12.000	-99.0	---		---	15332137	FDSN	IR	--	ISC	BUD	???	???	_
MORH	0.94	95.2	Sn	19:08:23.497	-1.1	T__		---	15332161	FDSN	IR	--	ISC	BUD	???	???	_
MORH	0.94	95.1	Sn	19:08:24.215	-0.3	T__		---	15332465	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.94	95.2	Lg	19:08:24.900	-0.7	T__		---	15332163	FDSN	IR	--	ISC	BUD	???	???	_
(Station ML : 3.2 0																	
A252A	0.95	156.2	Pg	19:08:12.613	0.2	T__	18172.9	_d_ MLv	15332638	FDSN	Z3	--	BUD	BUD	BHZ	BHZ	_
A252A	0.95	156.2	Sn	19:08:25.816	0.8	T__		---	15332694	FDSN	Z3	--	BUD	BUD	BHE	???	_
(Station ML : 4.3 0																	
PTJ	1.01	247.2	Pn	19:08:12.800	-0.3	T__	37.1	---	15332138	FDSN	IR	--	ISC	BUD	???	???	_
PTJ	1.01	247.2	Pg	19:08:12.923	-0.1	T__	37069.8	_c_ MLv	15332490	FDSN	CR	--	BUD	BUD	BH	BHZ	_
PTJ	1.01	247.2	Pg	19:08:13.080	-0.2	T__		---	15332139	FDSN	IR	--	ISC	BUD	???	???	_
PTJ	1.01	247.2	Lg	19:08:27.002	-0.1	T__		---	15332433	FDSN	CR	--	BUD	BUD	BHE	???	_
(Station ML : 4.6 0																	
A267A	1.03	51.4	Pg	19:08:13.716	-0.3	T__	13974.5	___ MLv	15332640	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 4.2 0																	
ZAG	1.03	242.8	Pg	19:08:13.760	0.3	T__		---	15332140	FDSN	IR	--	ISC	BUD	???	???	_
ZAG	1.03	242.8	Pg	19:08:13.800	0.4	T__	30.8	---	15332141	FDSN	IR	--	ISC	BUD	???	???	_
ZAG	1.03	242.8	Pg	19:08:13.900	0.5	T__	61011.0	_d_ MLv	15332639	FDSN	CR	--	BUD	BUD	BHZ	BHZ	_
ZAG	1.03	242.8	Pb	19:08:14.700	1.3	T__	30.8	---	15332142	FDSN	IR	--	ISC	BUD	???	???	_
ZAG	1.03	242.8	Pb	19:08:14.700	1.3	T__		---	15332143	FDSN	IR	--	ISC	BUD	???	???	_
(Station ML : 4.9 0																	
A260A	1.06	337.5	Pg	19:08:14.245	-0.2	T__	7540.0	___ MLv	15332609	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A260A	1.06	337.5	Lg	19:08:30.127	1.8	T__		---	15332582	FDSN	Z3	00	BUD	BUD	HHE	???	_
(Station ML : 4.0 1																	
A021A	1.11	294.3	Pn	19:08:14.230	0.1	T__	4534.9	_c_ MLv	15332506	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A021A	1.11	294.3	Sn	19:08:28.766	0.3	T__		---	15332583	FDSN	Z3	00	BUD	BUD	HHE	???	_
(Station ML : 3.8 1																	
EGYH	1.11	1.0	Pg	19:08:15.700	0.1	T__	12.1	---	15332144	FDSN	IR	--	ISC	BUD	???	???	_
EGYH	1.11	1.0	Pg	19:08:15.881	0.3	T__	12073.9	___ MLv	15332423	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
EGYH	1.11	1.0	Lg	19:08:32.074	1.0	T__		---	15332478	FDSN	HU	--	BUD	BUD	HHE	???	_
(Station ML : 4.2 1																	
A268A	1.20	20.6	Pg	19:08:16.264	-1.1	T__	7138.4	___ MLv	15332541	FDSN	Z3	00	BUD	BUD	HH	HHZ	_
(Station ML : 4.0 1																	
GOLS	1.20	256.3	Pn	19:08:15.600	-0.1	T__		_c_	15332610	FDSN	SL	--	BUD	BUD	BHZ	???	_
GOLS	1.20	256.3	Lg	19:08:34.795	1.0	T__		---	15332695	FDSN	SL	--	BUD	BUD	BH2	???	_
CSKK	1.24	31.6	Pg	19:08:16.941	-1.2	T__	50746.9	___ MLv	15332424	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	1.24	31.6	Pb	19:08:17.509	-0.6	T__		---	15332448	FDSN	HU	--	BUD	BUD	HHZ	???	_

CSKK	1.24	31.6	Lg	19:08:35.493	-1.8	T__	---	15332697	FDSN	HU	--	BUD	BUD	HHN	???	_		
(Station ML : 4.9 0)																		
GCIS	1.25	249.9	Pn	19:08:16.219	0.0	T__	_c_	15332611	FDSN	IR	--	BUD	BUD	BHE	???	_		
GCIS	1.25	249.9	Lg	19:08:35.503	0.3	T__	---	15332696	FDSN	IR	--	BUD	BUD	BHE	???	_		
GROS	1.26	277.7	Pn	19:08:16.175	-0.2	T__	_c_	15332641	FDSN	IR	--	BUD	BUD	BHZ	???	_		
GROS	1.26	277.7	Sn	19:08:32.410	-0.2	T__	---	15332698	FDSN	IR	--	BUD	BUD	BHZ	???	_		
DOBS	1.28	263.6	Pn	19:08:16.409	-0.3	T__	_c_	15332612	FDSN	SL	--	BUD	BUD	BHZ	???	_		
DOBS	1.28	263.6	Lg	19:08:36.625	0.5	T__	---	15332699	FDSN	SL	--	BUD	BUD	BHN	???	_		
A051A	1.32	192.2	Pn	19:08:18.000	0.6	T__	---	15332147	FDSN	IR	--	ISC	BUD	???	???	_		
A051A	1.32	192.2	Pn	19:08:18.170	0.8	T__	16462.1	_c_ MLv	15332642	FDSN	Z3	--	BUD	BUD	BHZ	BHZ	_	
A051A	1.32	192.2	Sn	19:08:35.200	0.5	T__	---	15332185	FDSN	IR	--	ISC	BUD	???	???	_		
(Station ML : 4.5 0)																		
CRES	1.37	250.1	Pn	19:08:17.800	-0.2	T__	---	15332145	FDSN	IR	--	ISC	BUD	???	???	_		
CRES	1.37	250.1	Pg	19:08:17.900	-1.4	T__	11.6	---	15332146	FDSN	IR	--	ISC	BUD	???	???	_	
CRES	1.37	250.1	Pb	19:08:18.600	-0.7	T__	11.6	---	15332148	FDSN	IR	--	ISC	BUD	???	???	_	
CRES	1.37	250.1	Pb	19:08:18.600	-0.7	T__	---	15332149	FDSN	IR	--	ISC	BUD	???	???	_		
CRES	1.37	250.1	Pg	19:08:20.600	1.3	T__	11.6	---	15332155	FDSN	IR	--	ISC	BUD	???	???	_	
CRES	1.37	250.1	Sn	19:08:37.300	1.8	T__	---	15332191	FDSN	IR	--	ISC	BUD	???	???	_		
CRES	1.37	250.1	Lg	19:08:39.000	-0.8	T__	11.6	---	15332197	FDSN	IR	--	ISC	BUD	???	???	_	
PRIJ	1.40	197.4	Pn	19:08:18.600	0.4	T__	---	15332150	FDSN	IR	--	ISC	BUD	???	???	_		
PRIJ	1.40	197.4	Lg	19:08:38.000	-0.2	T__	---	15332193	FDSN	IR	--	ISC	BUD	???	???	_		
A011B	1.44	320.6	Pn	19:08:19.123	0.5	T__	1184.8	_c_ MLv	15332643	FDSN	Z3	00	BUD	BUD	HH	HHZ	_	
A011B	1.44	320.6	Lg	19:08:39.846	0.5	T__	---	15332584	FDSN	Z3	00	BUD	BUD	HH2	???	_		
(Station ML : 3.4 0)																		
OZLJ	1.45	242.3	Pn	19:08:19.271	0.2	T__	918.6	_c_ MLv	15332508	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_	
(Station ML : 3.3 0)																		
A003A	1.46	353.4	Pg	19:08:22.561	0.5	T__	4427.5	___ MLv	15332507	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_	
(Station ML : 4.0 1)																		
SOP	1.47	340.0	Pn	19:08:19.558	0.7	T__	2090.5	_c_ MLv	15332491	FDSN	HU	--	BUD	BUD	BH	BHZ	_	
SOP	1.47	340.0	x	19:08:19.800	-99.0	---	---	---	15332153	FDSN	IR	--	ISC	BUD	???	???	_	
SOP	1.47	340.0	Pg	19:08:20.700	-1.3	T__	---	---	15332156	FDSN	IR	--	ISC	BUD	???	???	_	
SOP	1.47	340.0	Pg	19:08:22.300	0.3	T__	---	---	15332449	FDSN	HU	--	BUD	BUD	BHZ	???	_	
SOP	1.47	340.0	Lg	19:08:40.797	-0.1	T__	---	---	15332434	FDSN	HU	--	BUD	BUD	BHN	???	_	
(Station ML : 3.6 0)																		
A269A	1.52	28.6	Pn	19:08:21.474	1.9	T__	5275.9	_c_ MLv	15332492	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_	
(Station ML : 4.1 1)																		
BLY	1.52	183.2	Pg	19:08:21.374	-1.0	T__	6713.0	___ MLv	15332425	FDSN	MN	--	BUD	BUD	BHZ	BHZ	_	
BLY	1.52	183.2	Pb	19:08:24.670	2.3	T__	---	---	15332450	FDSN	MN	--	BUD	BUD	BHZ	???	_	
BLY	1.52	183.2	Lg	19:08:44.643	3.1	T__	---	---	15332466	FDSN	MN	--	BUD	BUD	BHE	???	_	
(Station ML : 4.2 1)																		
A339A	1.54	8.9	Pg	19:08:22.257	-1.8	T__	3533.8	___ MLv	15332509	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_	
(Station ML : 3.9 1)																		
ARSA	1.54	308.3	x	19:08:20.030	-99.0	---	---	---	15332154	FDSN	IR	--	ISC	BUD	???	???	_	
ARSA	1.54	308.3	Pn	19:08:20.684	0.5	T__	1517.2	_c_ MLv	15332493	FDSN	OE	--	BUD	BUD	BH	BHZ	_	
ARSA	1.54	308.3	x	19:08:20.900	-99.0	---	---	---	15332157	FDSN	IR	--	ISC	BUD	???	???	_	
ARSA	1.54	308.3	Lg	19:08:41.700	-0.8	T__	---	---	15332208	FDSN	IR	--	ISC	BUD	???	???	_	
ARSA	1.54	308.3	Sg	19:08:44.160	1.6	T__	170.0	0.54	---	15332217	FDSN	IR	--	ISC	BUD	???	???	_
(Station ML : 3.5 0)																		
PERS	1.55	283.1	Pn	19:08:20.233	-0.2	T__	---	_c_	15332613	FDSN	IR	--	BUD	BUD	BHE	???	_	
PERS	1.55	283.1	Sn	19:08:39.939	0.6	T__	---	---	15332700	FDSN	IR	--	BUD	BUD	BHE	???	_	
RONA	1.55	334.1	Sn	19:08:40.244	0.7	T__	384.3	0.58	---	15332201	FDSN	IR	--	ISC	BUD	???	???	_
BLY	1.56	183.1	Pn	19:08:21.500	1.0	T__	---	---	15332158	FDSN	IR	--	ISC	BUD	???	???	_	
BLY	1.56	183.1	Sn	19:08:40.800	0.8	T__	---	---	15332203	FDSN	IR	--	ISC	BUD	???	???	_	

BLY	1.56	183.1	Lg	19:08:44.900	2.2	T__				15332219	FDSN	IR	--	ISC	BUD	???	???	_	
SOKA	1.61	284.1	Sn	19:08:41.313	0.2	T__				15332207	FDSN	IR	--	ISC	BUD	???	???	_	
BOJS	1.64	241.4	Pg	19:08:25.360	1.5	T__	105.4	0.32	---	15332166	FDSN	IR	--	ISC	BUD	???	???	_	
SUBS	1.64	96.0	Pn	19:08:22.800	1.9	T__				15332160	FDSN	IR	--	ISC	BUD	???	???	_	
SRO	1.66	24.3	Pn	19:08:22.823	1.4	T__	20645.3		_d MLv	15332494	FDSN	SK	--	BUD	BUD	EHZ	EHZ	_	
SRO	1.66	24.3	Pg	19:08:26.232	-0.1	T__			---	15332451	FDSN	SK	--	BUD	BUD	EHZ	???	_	
(Station ML : 4.7 0)																			
BUD	1.67	44.5	Pn	19:08:21.943	0.4	T__	4347.5		___ MLv	15332756	FDSN	HU	--	BUD	BUD	BH	BHZ	_	
BUD	1.67	44.5	Pg	19:08:24.600	-2.7	T__			---	15332162	FDSN	IR	--	ISC	BUD	???	???	_	
BUD	1.67	44.5	x	19:08:24.900	-99.0	---			---	15332164	FDSN	IR	--	ISC	BUD	???	???	_	
BUD	1.67	44.5	Pg	19:08:25.440	-1.9	T__			---	15332435	FDSN	HU	--	BUD	BUD	BHN	???	_	
BUD	1.67	44.5	Lg	19:08:48.474	-3.1	T__			---	15332726	FDSN	HU	--	BUD	BUD	BHR	???	_	
(Station ML : 4.1 1)																			
DOB	1.67	160.1	Pn	19:08:22.400	0.7	T__			---	15332159	FDSN	IR	--	ISC	BUD	???	???	_	
DOB	1.67	160.1	Lg	19:08:45.300	-1.5	T__			---	15332221	FDSN	IR	--	ISC	BUD	???	???	_	
A012A	1.75	318.4	Pn	19:08:23.924	0.7	T__	1283.2		_c MLv	15332510	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_	
(Station ML : 3.6 0)																			
A004A	1.77	339.9	Lg	19:08:52.085	1.8	T__			---	15332727	FDSN	Z3	00	BUD	BUD	HHT	???	_	
VISS	1.79	254.5	Pg	19:08:27.130	0.8	T__			---	15332173	FDSN	IR	--	ISC	BUD	???	???	_	
VISS	1.79	254.5	Sn	19:08:45.310	-0.3	T__			---	15332222	FDSN	IR	--	ISC	BUD	???	???	_	
VNDS	1.82	264.4	Pn	19:08:24.108	-0.1	T__			_c	15332614	FDSN	IR	--	BUD	BUD	BHZ	???	_	
A338A	1.85	22.4	Pn	19:08:25.730	1.6	T__	4636.9		_c MLv	15332511	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_	
(Station ML : 4.2 1)																			
PLIT	1.85	220.1	Pn	19:08:25.274	0.5	T__	9799.4		_c MLv	15332512	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_	
PLIT	1.85	220.1	Pg	19:08:28.939	1.2	T__			---	15332593	FDSN	IR	--	BUD	BUD	BHZ	???	_	
(Station ML : 4.5 0)																			
A019A	1.90	307.6	Pn	19:08:26.237	0.8	T__	740.6		_d MLv	15332513	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_	
A019A	1.90	307.6	Pg	19:08:29.603	0.4	T__			---	15332594	FDSN	Z3	00	BUD	BUD	HHZ	???	_	
(Station ML : 3.4 0)																			
A050A	1.90	196.8	Pn	19:08:26.399	0.7	T__	3385.5		_c MLv	15332644	FDSN	Z3	--	BUD	BUD	BHZ	BHZ	_	
A050A	1.90	196.8	Sn	19:08:49.400	-0.2	T__			---	15332238	FDSN	IR	--	ISC	BUD	???	???	_	
A050A	1.90	196.8	Sn	19:08:50.641	1.1	T__			---	15332701	FDSN	Z3	--	BUD	BUD	BHE	???	_	
(Station ML : 4.1 1)																			
CONA	1.90	329.3	Pn	19:08:25.487	0.3	T__	1159.2		___ MLv	15332757	FDSN	OE	--	BUD	BUD	BH	BHZ	_	
CONA	1.90	329.3	Pn	19:08:25.600	0.5	T__	1.2		---	15332169	FDSN	IR	--	ISC	BUD	???	???	_	
CONA	1.90	329.3	Pg	19:08:25.765	-4.1	T__	5.8	0.20	---	15332170	FDSN	IR	--	ISC	BUD	???	???	_	
CONA	1.90	329.3	Pb	19:08:26.300	-3.6	T__			---	15332171	FDSN	IR	--	ISC	BUD	???	???	_	
CONA	1.90	329.3	Pg	19:08:29.205	-0.7	T__			---	15332595	FDSN	OE	--	BUD	BUD	BHZ	???	_	
CONA	1.90	329.3	Lg	19:08:55.085	1.0	T__	388.4	0.78	---	15332264	FDSN	IR	--	ISC	BUD	???	???	_	
(Station ML : 3.6 0)																			
CSNA	1.90	329.2	Pn	19:08:25.493	0.3	T__	1198.5		___ MLv	15332758	FDSN	IR	--	BUD	BUD	BH	BHZ	_	
(Station ML : 3.6 0)																			
GBRS	1.90	246.8	Pn	19:08:25.711	0.3	T__			_c	15332615	FDSN	IR	--	BUD	BUD	BHZ	???	_	
GBRS	1.90	246.8	Pg	19:08:30.945	2.5	T__			---	15332702	FDSN	IR	--	BUD	BUD	BHZ	???	_	
OBKA	1.92	277.1	Pn	19:08:25.200	-0.6	T__			---	15332165	FDSN	IR	--	ISC	BUD	???	???	_	
OBKA	1.92	277.1	Pn	19:08:25.324	-0.5	T__	2038.6		_c MLv	15332645	FDSN	OE	--	BUD	BUD	BHZ	BHZ	_	
OBKA	1.92	277.1	Pg	19:08:25.428	-3.2	T__	19.5	0.42	---	15332167	FDSN	IR	--	ISC	BUD	???	???	_	
OBKA	1.92	277.1	x	19:08:25.500	-99.0	---			---	15332168	FDSN	IR	--	ISC	BUD	???	???	_	
OBKA	1.92	277.1	Pb	19:08:28.500	-0.1	T__			---	15332174	FDSN	IR	--	ISC	BUD	???	???	_	
OBKA	1.92	277.1	Pg	19:08:30.129	1.5	T__			---	15332452	FDSN	OE	--	BUD	BUD	BHZ	???	_	
OBKA	1.92	277.1	Sn	19:08:50.300	1.4	T__			---	15332241	FDSN	IR	--	ISC	BUD	???	???	_	
OBKA	1.92	277.1	Lg	19:08:50.694	-4.1	T__	65.9	0.38	---	15332243	FDSN	IR	--	ISC	BUD	???	???	_	
OBKA	1.92	277.1	Sg	19:08:55.483	0.7	T__	541.2	0.54	---	15332268	FDSN	IR	--	ISC	BUD	???	???	_	

(Station ML : 3.9 1												
A270A 1.94 36.7 Pn	19:08:26.778	1.6	T__	3258.0	_c_ MLv	15332495	FDSN Z3	00 BUD	BUD	HHZ HHZ	_	
A270A 1.94 36.7 Pg	19:08:30.262	-2.2	T__		---	15332496	FDSN Z3	00 BUD	BUD	HHZ ???	_	
(Station ML : 4.1 1												
LJU 1.95 263.2 Pn	19:08:25.933	0.0	T__		_c_	15332646	FDSN IR	-- BUD	BUD	BHZ ???	_	
LJU 1.95 263.2 Pg	19:08:30.261	1.3	T__		---	15332616	FDSN IR	-- BUD	BUD	BHZ ???	_	
A337A 1.97 9.6 Pn	19:08:27.214	1.5	T__	2490.1	---	15332617	FDSN Z3	00 BUD	BUD	HHZ HHZ	_	
A337A 1.97 9.6 Pg	19:08:31.286	-0.3	T__	2487.7	---	15332514	FDSN Z3	00 BUD	BUD	HHZ HHZ	_	
(Station ML : 4.0 1												
MOZS 1.98 270.7 Pn	19:08:26.365	-0.2	T__		_c_	15332618	FDSN IR	-- BUD	BUD	BHZ ???	_	
MOZS 1.98 270.7 Pg	19:08:30.600	1.0	T__		---	15332703	FDSN IR	-- BUD	BUD	BHZ ???	_	
A026A 2.00 289.3 Pn	19:08:27.110	0.3	T__	1167.6	_c_ MLv	15332515	FDSN Z3	00 BUD	BUD	HHZ HHZ	_	
(Station ML : 3.7 0												
GBAS 2.02 260.4 Pn	19:08:26.868	-0.1	T__		---	15332619	FDSN IR	-- BUD	BUD	BHZ ???	_	
GBAS 2.02 260.4 Pg	19:08:31.596	1.3	T__		---	15332620	FDSN IR	-- BUD	BUD	BHZ ???	_	
VIE 2.05 342.1 Pg	19:08:34.591	1.9	T__	3574.2	---	15332704	FDSN IR	-- BUD	BUD	BHZ BHZ	_	
VIE 2.05 342.1 Lg	19:09:02.521	3.3	T__		---	15332728	FDSN IR	-- BUD	BUD	BHE ???	_	
(Station ML : 4.2 1												
MODS 2.07 359.5 Pn	19:08:27.936	0.6	T__		---	15332497	FDSN SK	-- BUD	BUD	HH ???	_	
MODS 2.07 359.6 x	19:08:29.300	-99.0	---		---	15332176	FDSN IR	-- ISC	BUD	??? ???	_	
CEY 2.08 255.2 Pn	19:08:27.854	0.1	T__		_c_	15332647	FDSN IR	-- BUD	BUD	BHZ ???	_	
CEY 2.08 255.2 Pg	19:08:32.291	1.0	T__		---	15332621	FDSN IR	-- BUD	BUD	BHZ ???	_	
UDBI 2.08 211.9 Pg	19:08:33.593	1.6	T__	4942.1	---	15332516	FDSN IR	-- BUD	BUD	BHZ BHZ	_	
UDBI 2.08 211.9 Lg	19:09:01.512	1.1	T__		---	15332729	FDSN IR	-- BUD	BUD	BHE ???	_	
(Station ML : 4.4 0												
A018A 2.09 314.2 Pn	19:08:30.165	2.3	T__	567.1	---	15332517	FDSN Z3	00 BUD	BUD	HHZ HHZ	_	
(Station ML : 3.4 0												
FRGS 2.10 122.3 Pn	19:08:29.000	1.5	T__		---	15332175	FDSN IR	-- ISC	BUD	??? ???	_	
FRGS 2.10 122.3 Sn	19:08:54.900	1.5	T__		---	15332263	FDSN IR	-- ISC	BUD	??? ???	_	
FRGS 2.10 122.3 Lg	19:09:03.400	-2.5	T__		---	15332303	FDSN IR	-- ISC	BUD	??? ???	_	
CRNS 2.12 265.0 Pn	19:08:28.534	0.1	T__		_c_	15332622	FDSN IR	-- BUD	BUD	BHZ ???	_	
CRNS 2.12 265.0 Pg	19:08:33.901	1.9	T__		---	15332705	FDSN IR	-- BUD	BUD	BHZ ???	_	
FRGS 2.13 122.5 Pn	19:08:28.783	0.7	T__	2816.7	---	15332453	FDSN SJ	-- BUD	BUD	HHZ HHZ	_	
FRGS 2.13 122.5 Pg	19:08:31.936	-1.2	T__		---	15332454	FDSN SJ	-- BUD	BUD	HHZ ???	_	
(Station ML : 4.1 1												
A013A 2.18 324.3 Pn	19:08:30.285	1.4	T__	1285.5	---	15332518	FDSN Z3	00 BUD	BUD	HHZ HHZ	_	
(Station ML : 3.8 1												
KNDS 2.18 250.1 Pn	19:08:29.554	0.3	T__		---	15332623	FDSN IR	-- BUD	BUD	BHZ ???	_	
KNDS 2.18 250.1 Pg	19:08:34.348	1.1	T__		---	15332624	FDSN IR	-- BUD	BUD	BHZ ???	_	
A005B 2.20 340.6 Pn	19:08:30.353	1.4	T__	1997.9	---	15332759	FDSN Z3	00 BUD	BUD	HH HHZ	_	
A005B 2.20 340.6 Pg	19:08:36.741	1.3	T__		---	15332706	FDSN Z3	00 BUD	BUD	HHZ ???	_	
(Station ML : 4.0 1												
A335A 2.25 17.8 Pn	19:08:31.023	1.2	T__	1553.6	---	15332760	FDSN Z3	00 BUD	BUD	HH HHZ	_	
(Station ML : 3.9 1												
A336A 2.25 30.3 Pn	19:08:30.845	1.3	T__	3697.4	_d_ MLv	15332519	FDSN Z3	00 BUD	BUD	HHZ HHZ	_	
(Station ML : 4.3 0												
JAVS 2.29 260.8 Pn	19:08:30.480	-0.3	T__		---	15332625	FDSN IR	-- BUD	BUD	BHZ ???	_	
JAVS 2.29 260.8 Pg	19:08:36.128	1.3	T__		---	15332626	FDSN IR	-- BUD	BUD	BHZ ???	_	
JAVS 2.29 260.8 Lg	19:09:08.441	-0.3	T__		---	15332730	FDSN IR	-- BUD	BUD	BHE ???	_	
A334A 2.31 6.1 Pn	19:08:31.936	1.3	T__	1126.7	---	15332520	FDSN Z3	00 BUD	BUD	HHZ HHZ	_	
(Station ML : 3.8 1												
A025A 2.32 302.6 Pn	19:08:32.046	0.7	T__	710.6	---	15332521	FDSN Z3	00 BUD	BUD	HHZ HHZ	_	
A025A 2.32 302.6 Pg	19:08:38.290	1.9	T__		---	15332707	FDSN Z3	00 BUD	BUD	HHZ ???	_	

A025A	2.32	302.6	Lg	19:09:10.168	3.5	T__			15332731	FDSN	Z3	00	BUD	BUD	HHE	???	_	
(Station ML : 3.6 0																		
A027A	2.33	283.8	Pn	19:08:31.473	-0.2	T__	701.3	_c_	MLv	15332522	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A027A	2.33	283.8	Pg	19:08:37.650	1.9	T__				15332708	FDSN	Z3	00	BUD	BUD	HHZ	???	_
(Station ML : 3.6 0																		
A008A	2.35	332.1	Pn	19:08:32.890	1.8	T__	567.3		MLv	15332635	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A008A	2.35	332.1	Lg	19:09:11.889	4.0	T__				15332732	FDSN	Z3	00	BUD	BUD	HH3	???	_
(Station ML : 3.6 0																		
TEKS	2.36	137.5	Pn	19:08:32.300	1.1	T__				15332179	FDSN	IR	--	ISC	BUD	???	???	_
TEKS	2.36	137.5	Sn	19:09:01.900	2.4	T__				15332298	FDSN	IR	--	ISC	BUD	???	???	_
AMBH	2.37	87.7	Pn	19:08:32.091	0.9	T__	1828.0		MLv	15332636	FDSN	HU	00	BUD	BUD	HHZ	HHZ	_
AMBH	2.37	87.7	Pg	19:08:39.538	-1.3	T__				15332637	FDSN	HU	00	BUD	BUD	HHZ	???	_
(Station ML : 4.1 1																		
A017A	2.39	314.3	Pn	19:08:33.436	1.5	T__	716.4		MLv	15332523	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 3.7 0																		
KIJV	2.39	195.7	Pn	19:08:33.690	1.3	T__				15332180	FDSN	IR	--	ISC	BUD	???	???	_
PSZ	2.39	46.7	Pn	19:08:31.070	-0.7	T__				15332177	FDSN	IR	--	ISC	BUD	???	???	_
PSZ	2.39	46.7	Pn	19:08:31.590	-0.2	T__	1199.9		MLv	15332629	FDSN	GE	--	BUD	BUD	BH	BHZ	_
PSZ	2.39	46.7	Pg	19:08:31.848	-10.7	T__				15332178	FDSN	IR	--	ISC	BUD	???	???	_
PSZ	2.39	46.7	Pb	19:08:35.000	-7.5	T__				15332183	FDSN	IR	--	ISC	BUD	???	???	_
PSZ	2.39	46.7	x	19:08:35.000	-99.0	T__				15332184	FDSN	IR	--	ISC	BUD	???	???	_
PSZ	2.39	46.7	Pg	19:08:38.188	-4.4	T__				15332761	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	2.39	46.7	Sn	19:09:00.289	-1.0	T__				15332291	FDSN	IR	--	ISC	BUD	???	???	_
PSZ	2.39	46.7	Lg	19:09:12.743	-1.4	T__				15332467	FDSN	GE	--	BUD	BUD	BHE	???	_
(Station ML : 3.9 1																		
VOJS	2.39	264.6	Pn	19:08:31.916	-0.3	T__		_c_		15332627	FDSN	IR	--	BUD	BUD	BHZ	???	_
VOJS	2.39	264.6	Pg	19:08:37.819	1.4	T__				15332628	FDSN	IR	--	BUD	BUD	BHZ	???	_
SKDS	2.42	252.8	Sn	19:09:01.400	0.4	T__				15332296	FDSN	IR	--	ISC	BUD	???	???	_
VYHS	2.42	24.9	Pn	19:08:32.957	0.8	T__	147.1		MLv	15332426	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
VYHS	2.42	24.9	x	19:08:33.800	-99.0	T__				15332181	FDSN	IR	--	ISC	BUD	???	???	_
VYHS	2.42	24.9	Pn	19:08:34.300	2.1	T__				15332182	FDSN	IR	--	ISC	BUD	???	???	_
VYHS	2.42	24.9	Pg	19:08:39.715	-0.8	T__				15332498	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	2.42	24.9	Lg	19:09:14.522	-0.0	T__				15332733	FDSN	SK	--	BUD	BUD	HHN	???	_
(Station ML : 3.0 0																		
A028B	2.44	290.1	Pn	19:08:33.407	0.2	T__	1053.1	_d_	MLv	15332524	FDSN	Z3	01	BUD	BUD	HHE	HHE	_
NVLJ	2.44	225.3	Pn	19:08:34.354	1.7	T__	512.9		MLv	15332525	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_
NVLJ	2.44	225.3	Sn	19:09:03.763	1.8	T__				15332585	FDSN	IR	--	BUD	BUD	BHE	???	_
(Station ML : 3.6 0																		
A001A	2.47	349.0	Pn	19:08:34.319	1.5	T__	636.2		MLv	15332526	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 3.7 0																		
CADS	2.47	269.5	Pn	19:08:33.240	-0.0	T__		_c_		15332630	FDSN	IR	--	BUD	BUD	BHZ	???	_
A014A	2.51	325.3	Pn	19:08:34.817	1.3	T__	644.1		MLv	15332527	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 3.7 0																		
HAPS	2.51	151.7	Pn	19:08:35.200	1.4	T__				15332186	FDSN	IR	--	ISC	BUD	???	???	_
HAPS	2.51	151.7	Sn	19:09:05.600	2.1	T__				15332308	FDSN	IR	--	ISC	BUD	???	???	_
DRE	2.54	268.3	Pn	19:08:34.099	-0.1	T__	1356.6		MLv	15332528	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_
DRE	2.54	268.3	Pg	19:08:40.652	1.8	T__				15332596	FDSN	IR	--	BUD	BUD	BHZ	???	_
(Station ML : 4.0 1																		
MYKA	2.55	278.6	Pg	19:08:43.360	4.2	T__	16.3	0.30	---	15332216	FDSN	IR	--	ISC	BUD	???	???	_
MYKA	2.55	278.6	Sn	19:09:06.903	2.4	T__	40.3	0.42	---	15332316	FDSN	IR	--	ISC	BUD	???	???	_
MYKA	2.55	278.6	Lg	19:09:17.588	3.9	T__	60.6	0.34	---	15332348	FDSN	IR	--	ISC	BUD	???	???	_
VI RC	2.56	219.0	Pn	19:08:36.300	1.9	T__				15332188	FDSN	IR	--	ISC	BUD	???	???	_
JAVC	2.57	5.5	Pn	19:08:36.200	1.8	T__				15332187	FDSN	IR	--	ISC	BUD	???	???	_

JAVC	2.57	5.5	Pn	19:08:36.768	2.4	T__	606.5	---	MLv	15332499	FDSN	CZ	--	BUD	BUD	BHZ	BHZ	_
JAVC	2.57	5.5	x	19:08:39.300	-99.0	---		---		15332198	FDSN	IR	--	ISC	BUD	???	???	_
JAVC	2.57	5.5	Lg	19:09:20.602	2.1	T__		---		15332468	FDSN	CZ	--	BUD	BUD	BHE	???	_
(Station ML : 3.7 0																		
A006A	2.58	340.8	Pg	19:08:42.799	0.1	T__	1422.1	---	MLv	15332598	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 4.1 1																		
MOA	2.59	307.7	x	19:08:36.400	-99.0	---		---		15332189	FDSN	IR	--	ISC	BUD	???	???	_
MOA	2.59	307.7	Sn	19:09:06.396	1.4	T__	40.2	0.32	---	15332312	FDSN	IR	--	ISC	BUD	???	???	_
PRED	2.59	274.4	Pn	19:08:35.467	0.4	T__	571.6		_d_ MLv	15332631	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_
PRED	2.59	274.4	Pg	19:08:42.266	2.6	T__			---	15332709	FDSN	IR	--	BUD	BUD	BHZ	???	_
(Station ML : 3.7 0																		
SABO	2.59	264.1	Pn	19:08:34.601	-0.1	T__	1016.6		---	15332762	FDSN	IR	--	BUD	BUD	BH	BHZ	_
SABO	2.59	264.1	Pg	19:08:40.999	1.4	T__			---	15332597	FDSN	IR	--	BUD	BUD	BHZ	???	_
(Station ML : 3.9 1																		
A332A	2.62	17.1	Pn	19:08:35.985	1.1	T__	881.7		---	15332764	FDSN	Z3	00	BUD	BUD	HH	HHZ	_
(Station ML : 3.9 1																		
ACOM	2.63	276.6	Pn	19:08:36.033	0.0	T__	907.8		---	15332763	FDSN	IR	--	BUD	BUD	HH	HHZ	_
ACOM	2.63	276.6	Pg	19:08:43.276	2.5	T__			---	15332711	FDSN	IR	--	BUD	BUD	HHZ	???	_
(Station ML : 3.9 1																		
ROBS	2.63	270.0	Pn	19:08:35.217	-0.2	T__			_c_	15332648	FDSN	IR	--	BUD	BUD	BHZ	???	_
ROBS	2.63	270.0	Pg	19:08:41.690	1.5	T__			---	15332710	FDSN	IR	--	BUD	BUD	BHZ	???	_
A029A	2.68	296.1	Pn	19:08:36.863	0.4	T__	566.4		_c_ MLv	15332529	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 3.7 0																		
BEO	2.68	122.8	Pg	19:08:52.800	10.2	T__			---	15332251	FDSN	IR	--	ISC	BUD	???	???	_
BEO	2.68	122.8	Lg	19:09:21.900	-0.3	T__			---	15332356	FDSN	IR	--	ISC	BUD	???	???	_
A007A	2.69	334.1	Pn	19:08:37.205	1.2	T__	655.5		---	15332531	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 3.8 1																		
A016A	2.69	318.8	Pn	19:08:38.185	2.1	T__	522.6		---	15332649	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A016A	2.69	318.8	Pg	19:08:45.191	1.7	T__			---	15332712	FDSN	Z3	00	BUD	BUD	HHZ	???	_
(Station ML : 3.7 0																		
MORI	2.69	205.4	Pn	19:08:38.303	1.8	T__	592.7		_c_ MLv	15332530	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_
MORI	2.69	205.4	Pg	19:08:44.678	1.8	T__			---	15332599	FDSN	IR	--	BUD	BUD	BHZ	???	_
MORI	2.69	205.4	Sn	19:09:11.688	2.4	T__			---	15332586	FDSN	IR	--	BUD	BUD	BHN	???	_
(Station ML : 3.8 1																		
PTCC	2.74	273.5	Sn	19:09:12.130	3.2	T__			---	15332587	FDSN	IR	--	BUD	BUD	BHN	???	_
AVAS	2.77	124.3	Pn	19:08:37.800	0.8	T__			---	15332192	FDSN	IR	--	ISC	BUD	???	???	_
TIM	2.79	100.4	Pn	19:08:37.267	0.1	T__			---	15332190	FDSN	IR	--	ISC	BUD	???	???	_
VINO	2.79	270.4	Pn	19:08:37.991	0.4	T__	753.6		---	15332650	FDSN	IR	--	BUD	BUD	HHZ	HHZ	_
(Station ML : 3.9 1																		
A024B	2.80	310.9	Pn	19:08:39.741	2.0	T__	730.4		---	15332532	FDSN	IR	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 3.9 1																		
KALIN	2.81	177.9	Pn	19:08:40.200	1.8	T__			---	15332200	FDSN	IR	--	ISC	BUD	???	???	_
KALIN	2.81	177.9	Sn	19:09:14.700	2.4	T__			---	15332335	FDSN	IR	--	ISC	BUD	???	???	_
BAD	2.82	270.0	Pn	19:08:38.467	0.5	T__	788.9		---	15332533	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_
(Station ML : 4.0 1																		
KRUC	2.82	347.8	Pn	19:08:38.189	0.5	T__	366.2		---	15332765	FDSN	CZ	--	BUD	BUD	BH	BHZ	_
KRUC	2.82	347.8	Pn	19:08:38.400	0.7	T__			---	15332195	FDSN	IR	--	ISC	BUD	???	???	_
KRUC	2.82	347.8	x	19:08:38.700	-99.0	---			---	15332196	FDSN	IR	--	ISC	BUD	???	???	_
KRUC	2.82	347.8	Sn	19:09:10.600	-0.2	T__			---	15332325	FDSN	IR	--	ISC	BUD	???	???	_
(Station ML : 3.6 0																		
BANR	2.83	107.7	Pn	19:08:38.269	0.5	T__			---	15332194	FDSN	IR	--	ISC	BUD	???	???	_
KBA	2.83	287.2	Sn	19:09:12.733	0.7	T__	23.7	0.36	---	15332332	FDSN	IR	--	ISC	BUD	???	???	_
BBLs	2.86	147.9	Pn	19:08:39.800	1.2	T__			---	15332199	FDSN	IR	--	ISC	BUD	???	???	_

BBL5	2.86	147.8	Pn	19:08:39.922	1.6	T__	901.2	___	MLv	15332651	FDSN	SJ	--	BUD	BUD	BHZ	BHZ	_	
BBL5	2.86	147.9	Pg	19:08:41.300	-4.7	T__		---		15332206	FDSN	IR	--	ISC	BUD	???	???	_	
BBL5	2.86	147.9	Sn	19:09:14.200	2.4	T__		---		15332334	FDSN	IR	--	ISC	BUD	???	???	_	
(Station ML : 4.0 1																			
BIOA	2.86	300.2	Pn	19:08:39.718	0.8	T__	649.8	___	MLv	15332535	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_	
BIOA	2.86	300.2	Sn	19:09:13.903	2.1	T__		---		15332589	FDSN	IR	--	BUD	BUD	BHE	???	_	
(Station ML : 3.9 1																			
BRJN	2.86	241.9	Pn	19:08:39.606	1.4	T__	958.6	___	MLv	15332534	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_	
BRJN	2.86	241.9	Pg	19:08:47.004	2.1	T__		---		15332713	FDSN	IR	--	BUD	BUD	BHZ	???	_	
BRJN	2.86	241.9	Sn	19:09:13.602	1.4	T__		---		15332588	FDSN	IR	--	BUD	BUD	BHN	???	_	
(Station ML : 4.1 1																			
PLRO	2.88	276.3	Pn	19:08:39.268	-0.1	T__	904.8	___	MLv	15332766	FDSN	IR	--	BUD	BUD	BH	BHZ	_	
(Station ML : 4.1 1																			
A022A	2.91	324.1	Pn	19:08:40.750	1.6	T__	346.3	___	MLv	15332542	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_	
A022A	2.91	324.1	Pg	19:08:48.692	1.0	T__		---		15332600	FDSN	Z3	00	BUD	BUD	HHZ	???	_	
(Station ML : 3.7 0																			
DIV5	2.91	138.3	Pn	19:08:40.300	1.1	T__		---		15332202	FDSN	IR	--	ISC	BUD	???	???	_	
A300A	2.95	262.0	Pn	19:08:40.825	1.5	T__	3321.7	___	MLv	15332652	FDSN	Z3	--	BUD	BUD	HHZ	HHZ	_	
A300A	2.95	262.0	Sn	19:09:15.793	2.3	T__		---		15332590	FDSN	Z3	--	BUD	BUD	HHE	???	_	
(Station ML : 4.7 0																			
A034A	2.97	283.2	Pn	19:08:40.299	-0.3	T__	378.0	_d	MLv	15332653	FDSN	Z3	00	BUD	BUD	HH	HHZ	_	
A034A	2.97	283.2	Pg	19:08:50.229	3.6	T__		---		15332601	FDSN	Z3	00	BUD	BUD	HHZ	???	_	
(Station ML : 3.7 0																			
A030A	2.98	302.1	Pn	19:08:41.873	1.6	T__	437.8	_d	MLv	15332536	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_	
(Station ML : 3.8 1																			
FUSE	2.98	273.6	Pn	19:08:41.102	0.7	T__	548.6	___	MLv	15332537	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_	
FUSE	2.98	273.6	Pg	19:08:48.633	2.6	T__		---		15332602	FDSN	IR	--	BUD	BUD	BHZ	???	_	
(Station ML : 3.9 1																			
MPRI	2.99	270.3	Pn	19:08:41.681	1.2	T__	667.0	_d	MLv	15332538	FDSN	IR	--	BUD	BUD	HHZ	HHZ	_	
MPRI	2.99	270.3	Pg	19:08:50.555	4.4	T__		---		15332714	FDSN	IR	--	BUD	BUD	HHZ	???	_	
(Station ML : 4.0 1																			
ZOU2	3.00	276.4	Pn	19:08:41.183	-0.0	T__	490.9	___	MLv	15332767	FDSN	IR	--	BUD	BUD	HH	HHZ	_	
(Station ML : 3.9 1																			
SIRR	3.02	89.2	Pn	19:08:41.243	0.8	T__		---		15332205	FDSN	IR	--	ISC	BUD	???	???	_	
SIRR	3.02	89.2	Pg	19:08:51.688	-0.2	T__	664.1	___	MLv	15332455	FDSN	RO	--	BUD	BUD	BHZ	BHZ	_	
SIRR	3.02	89.2	Lg	19:09:31.421	-0.8	T__		---		15332469	FDSN	RO	--	BUD	BUD	BHN	???	_	
(Station ML : 4.0 1																			
TRUS	3.02	132.4	Pn	19:08:41.800	1.3	T__		---		15332210	FDSN	IR	--	ISC	BUD	???	???	_	
VRAC	3.04	351.2	Pn	19:08:41.200	0.5	T__		---		15332204	FDSN	IR	--	ISC	BUD	???	???	_	
VRAC	3.04	351.2	Pn	19:08:41.307	0.6	T__	332.4	___	MLv	15332456	FDSN	CZ	--	BUD	BUD	BHZ	BHZ	_	
VRAC	3.04	351.2	Pg	19:08:42.195	-8.8	T__	3.1	0.33	---	15332213	FDSN	IR	--	ISC	BUD	???	???	_	
VRAC	3.04	351.2	x	19:08:44.500	-99.0	---		---		15332218	FDSN	IR	--	ISC	BUD	???	???	_	
VRAC	3.04	351.2	Sn	19:09:16.000	-0.3	T__		---		15332339	FDSN	IR	--	ISC	BUD	???	???	_	
VRAC	3.04	351.2	Lg	19:09:17.153	-14.7	T__		---		15332347	FDSN	IR	--	ISC	BUD	???	???	_	
VRAC	3.04	351.2	Sg	19:09:29.645	-2.2	T__	5.8	0.33	---	15332372	FDSN	IR	--	ISC	BUD	???	???	_	
VRAC	3.04	351.2	x	23:59:59.590	-99.0	---	11.7	0.50	---	15332437	FDSN	IR	--	ISC	BUD	???	???	_	
(Station ML : 3.7 0																			
CLUD	3.06	274.4	Pn	19:08:41.726	0.2	T__	814.9	___	MLv	15332539	FDSN	IR	--	BUD	BUD	HHZ	HHZ	_	
(Station ML : 4.1 1																			
RUDD	3.06	150.6	Pn	19:08:41.800	0.4	T__		---		15332211	FDSN	IR	--	ISC	BUD	???	???	_	
RUDD	3.06	150.6	Sn	19:09:18.900	2.3	T__		---		15332350	FDSN	IR	--	ISC	BUD	???	???	_	
VRSS	3.06	111.3	Pn	19:08:41.900	0.9	T__		---		15332212	FDSN	IR	--	ISC	BUD	???	???	_	
KECS	3.07	43.6	Pn	19:08:41.963	1.0	T__	696.3	___	MLv	15332427	FDSN	SK	--	BUD	BUD	EHZ	EHZ	_	

KECS	3.07	43.6	Pg	19:08:50.529	-2.8	T__	---	15332470	FDSN	SK	--	BUD	BUD	EHE	???	_		
KECS	3.07	43.6	Pg	19:08:51.100	-2.2	T__	---	15332245	FDSN	IR	--	ISC	BUD	???	???	_		
(Station ML : 4.0 1)																		
A023A	3.08	315.6	Pn	19:08:43.504	2.1	T__	453.8	---	MLv	15332544	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A023A	3.08	315.6	Pg	19:08:53.617	3.2	T__	---	---	---	15332634	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A023A	3.08	315.6	Lg	19:09:30.995	0.8	T__	---	---	---	15332591	FDSN	Z3	00	BUD	BUD	HHE	???	_
(Station ML : 3.9 1)																		
MAUC	3.08	6.4	Pn	19:08:43.100	1.7	T__	---	---	---	15332215	FDSN	IR	--	ISC	BUD	???	???	_
A033A	3.09	293.8	Pn	19:08:43.234	0.9	T__	683.7	---	MLv	15332655	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 4.1 1)																		
BZS	3.09	101.4	x	19:08:41.700	-99.0	---	---	---	---	15332209	FDSN	IR	--	ISC	BUD	???	???	_
BZS	3.09	101.4	Pn	19:08:42.400	1.0	T__	---	---	---	15332214	FDSN	IR	--	ISC	BUD	???	???	_
BZS	3.10	101.2	Pn	19:08:42.118	0.5	T__	455.1	_c	MLv	15332654	FDSN	RO	--	BUD	BUD	BHZ	BHZ	_
BZS	3.10	101.2	Pg	19:08:53.859	2.0	T__	---	---	---	15332472	FDSN	RO	--	BUD	BUD	BHZ	???	_
BZS	3.10	101.2	Lg	19:09:34.047	-0.1	T__	---	---	---	15332471	FDSN	RO	--	BUD	BUD	BHN	???	_
(Station ML : 3.9 1)																		
BGLD	3.23	296.2	Pn	19:08:44.830	0.7	T__	375.4	---	MLv	15332656	FDSN	IR	--	BUD	BUD	EHZ	EHZ	_
BGLD	3.23	296.2	Sn	19:09:22.186	1.3	T__	---	---	---	15332734	FDSN	IR	--	BUD	BUD	EHE	???	_
(Station ML : 3.9 1)																		
CKRC	3.23	322.2	Pn	19:08:45.504	2.1	T__	677.9	_d	MLv	15332540	FDSN	CZ	--	BUD	BUD	BH	BHZ	_
CKRC	3.23	322.2	Pg	19:08:55.813	2.5	T__	---	---	---	15332457	FDSN	CZ	--	BUD	BUD	BHZ	???	_
(Station ML : 4.1 1)																		
TREC	3.23	338.4	Pn	19:08:44.542	1.0	T__	311.9	---	MLv	15332632	FDSN	CZ	--	BUD	BUD	BHZ	BHZ	_
TREC	3.23	338.4	x	19:08:47.600	-99.0	---	---	---	---	15332228	FDSN	IR	--	ISC	BUD	???	???	_
(Station ML : 3.8 1)																		
A032A	3.27	305.1	Pn	19:08:46.122	1.8	T__	621.4	---	MLv	15332546	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 4.1 1)																		
UPM	3.31	159.2	Pn	19:08:45.200	-0.3	T__	---	---	---	15332220	FDSN	IR	--	ISC	BUD	???	???	_
A035B	3.32	286.6	Pn	19:08:45.574	-0.3	T__	484.8	---	MLv	15332633	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A035B	3.32	286.6	Pg	19:08:56.539	3.1	T__	485.2	---	MLv	15332603	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A035B	3.32	286.6	Sn	19:09:26.178	2.0	T__	---	---	---	15332592	FDSN	Z3	00	BUD	BUD	HHE	???	_
(Station ML : 4.0 1)																		
A031A	3.34	310.7	Pn	19:08:46.609	1.5	T__	277.2	_d	MLv	15332657	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 3.8 1)																		
ABAH	3.34	52.0	Pn	19:08:45.225	0.7	T__	461.8	---	MLv	15332428	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
ABAH	3.34	52.0	Pg	19:08:51.700	-6.9	T__	---	---	---	15332246	FDSN	IR	--	ISC	BUD	???	???	_
ABAH	3.34	52.0	Pg	19:08:55.821	-2.8	T__	---	---	---	15332604	FDSN	HU	--	BUD	BUD	HHZ	???	_
ABAH	3.34	52.0	Pg	19:08:56.500	-2.1	T__	0.5	---	---	15332272	FDSN	IR	--	ISC	BUD	???	???	_
ABAH	3.34	52.0	Sn	19:09:24.565	1.4	T__	---	---	---	15332473	FDSN	HU	--	BUD	BUD	HHN	???	_
(Station ML : 4.0 1)																		
ABTA	3.34	279.3	Pg	19:08:57.436	5.0	T__	23.4	0.46	---	15332279	FDSN	IR	--	ISC	BUD	???	???	_
ABTA	3.34	279.3	Lg	19:09:45.227	7.0	T__	115.6	0.82	---	15332389	FDSN	IR	--	ISC	BUD	???	???	_
POLC	3.35	266.9	Pn	19:08:46.004	0.9	T__	634.9	---	MLv	15332547	FDSN	IR	--	BUD	BUD	HHZ	HHZ	_
(Station ML : 4.2 1)																		
LESA	3.36	291.1	Pn	19:08:46.558	0.4	T__	287.4	_c	MLv	15332658	FDSN	IR	--	BUD	BUD	BH	BHZ	_
LESA	3.36	291.1	Pg	19:08:59.709	5.2	T__	---	---	---	15332605	FDSN	IR	--	BUD	BUD	BHZ	???	_
LESA	3.36	291.1	Sn	19:09:25.886	1.6	T__	---	---	---	15332737	FDSN	IR	--	BUD	BUD	BHE	???	_
(Station ML : 3.8 1)																		
CIMO	3.37	271.8	Pn	19:08:45.681	-0.0	T__	281.1	---	MLv	15332548	FDSN	IR	--	BUD	BUD	HHZ	HHZ	_
CIMO	3.37	271.8	Lg	19:09:43.518	3.5	T__	---	---	---	15332736	FDSN	IR	--	BUD	BUD	HHT	???	_
(Station ML : 3.8 1)																		
RTSA	3.38	297.2	Pn	19:08:47.553	1.3	T__	467.5	_d	MLv	15332659	FDSN	IR	--	BUD	BUD	EHZ	EHZ	_
(Station ML : 4.1 1)																		

CAE	3.39	266.7	Pn	19:08:46.383	0.5	T__	379.8	_c_ MLv	15332660	FDSN	IR	--	BUD	BUD	HH	HHZ	_
(Station ML : 4.0 1																	
RJOB	3.40	296.5	x	19:08:47.500	-99.0	---			15332227	FDSN	IR	--	ISC	BUD	???	???	_
SURR	3.40	97.6	Pn	19:08:46.463	0.7	T__			15332223	FDSN	IR	--	ISC	BUD	???	???	_
GRUS	3.42	133.8	Pn	19:08:47.600	1.6	T__			15332229	FDSN	IR	--	ISC	BUD	???	???	_
SVIS	3.43	125.1	Pn	19:08:47.100	0.9	T__			15332224	FDSN	IR	--	ISC	BUD	???	???	_
RWMO	3.44	296.3	Pn	19:08:47.837	0.9	T__	167.9	MLv	15332661	FDSN	IR	--	BUD	BUD	EHZ	EHZ	_
RWMO	3.44	296.3	Sn	19:09:29.409	3.7	T__			15332738	FDSN	IR	--	BUD	BUD	EHT	???	_
(Station ML : 3.6 0																	
MDVR	3.45	114.6	Pn	19:08:47.308	0.6	T__			15332225	FDSN	IR	--	ISC	BUD	???	???	_
STON	3.45	175.1	Pn	19:08:47.400	0.4	T__			15332226	FDSN	IR	--	ISC	BUD	???	???	_
STON	3.45	175.1	Sn	19:09:27.000	-0.8	T__			15332365	FDSN	IR	--	ISC	BUD	???	???	_
MORC	3.48	2.6	Pn	19:08:47.710	0.8	T__			15332230	FDSN	IR	--	ISC	BUD	???	???	_
MORC	3.48	2.6	Pg	19:08:47.800	-11.4	T__			15332231	FDSN	IR	--	ISC	BUD	???	???	_
MORC	3.48	2.6	Pb	19:08:48.007	-11.2	T__			15332232	FDSN	IR	--	ISC	BUD	???	???	_
MORC	3.48	2.6	Pn	19:08:48.198	1.3	T__	251.8	MLv	15332458	FDSN	CZ	--	BUD	BUD	BHZ	BHZ	_
MORC	3.48	2.6	x	19:08:49.400	-99.0	---			15332239	FDSN	IR	--	ISC	BUD	???	???	_
MORC	3.48	2.6	Sn	19:09:27.414	-0.7	T__			15332368	FDSN	IR	--	ISC	BUD	???	???	_
MORC	3.48	2.6	Sn	19:09:27.908	-0.2	T__			15332739	FDSN	CZ	--	BUD	BUD	BHT	???	_
(Station ML : 3.8 1																	
GED7	3.50	317.3	Pn	19:08:48.985	1.8	T__	256.3	_c_ MLv	15332662	FDSN	IR	--	BUD	BUD	SH	SHZ	_
(Station ML : 3.9 1																	
GED8	3.50	317.5	Pn	19:08:49.081	1.8	T__	344.1	MLv	15332663	FDSN	IR	--	BUD	BUD	SHZ	SHZ	_
(Station ML : 4.0 1																	
BRY	3.52	165.0	Pn	19:08:48.300	-0.2	T__			15332233	FDSN	IR	--	ISC	BUD	???	???	_
GEC2	3.52	317.5	Pn	19:08:48.870	1.2	T__			15332236	FDSN	IR	--	ISC	BUD	???	???	_
GED1	3.52	317.7	Sn	19:09:28.912	0.2	T__			15332740	FDSN	IR	--	BUD	BUD	BHT	???	_
GERES	3.52	317.5	Pn	19:08:48.590	1.0	T__			15332234	FDSN	IR	--	ISC	BUD	???	???	_
GERES	3.52	317.5	Pg	19:08:49.350	-9.4	T__	4.0	0.33	15332237	FDSN	IR	--	ISC	BUD	???	???	_
GERES	3.52	317.5	Lg	19:09:46.953	2.4	T__	9.2	0.33	15332391	FDSN	IR	--	ISC	BUD	???	???	_
GERES	3.52	317.5	x	23:59:59.590	-99.0	---	8.2	0.53	15332438	FDSN	IR	--	ISC	BUD	???	???	_
A146A	3.55	305.6	Pn	19:08:49.589	1.5	T__	843.4	MLv	15332549	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 4.4 0																	
OKC	3.58	8.8	Pn	19:08:50.542	2.3	T__	160.1	MLv	15332429	FDSN	CZ	--	BUD	BUD	BHZ	BHZ	_
OKC	3.58	8.8	x	19:08:53.000	-99.0	---			15332253	FDSN	IR	--	ISC	BUD	???	???	_
OKC	3.58	8.8	Pn	19:08:53.500	5.3	T__			15332256	FDSN	IR	--	ISC	BUD	???	???	_
OKC	3.58	8.8	Sn	19:09:29.300	-1.2	T__			15332371	FDSN	IR	--	ISC	BUD	???	???	_
OKC	3.58	8.8	Sn	19:09:30.805	0.3	T__			15332741	FDSN	CZ	--	BUD	BUD	BHT	???	_
(Station ML : 3.7 0																	
SJES	3.59	147.1	Pn	19:08:49.900	0.9	T__			15332240	FDSN	IR	--	ISC	BUD	???	???	_
SJES	3.59	147.1	Pg	19:08:50.400	-7.8	T__			15332242	FDSN	IR	--	ISC	BUD	???	???	_
SJES	3.59	147.1	Sn	19:09:30.900	0.8	T__			15332374	FDSN	IR	--	ISC	BUD	???	???	_
KUBS	3.62	120.0	Pn	19:08:48.600	-0.3	T__			15332235	FDSN	IR	--	ISC	BUD	???	???	_
VARN	3.63	266.9	Pn	19:08:49.270	0.1	T__	461.5	_c_ MLv	15332664	FDSN	IR	--	BUD	BUD	HH	HHZ	_
(Station ML : 4.2 1																	
TREB	3.67	167.8	Pn	19:08:50.700	0.5	T__			15332244	FDSN	IR	--	ISC	BUD	???	???	_
TREB	3.67	167.8	Pg	19:08:52.400	-6.8	T__			15332250	FDSN	IR	--	ISC	BUD	???	???	_
TREB	3.67	167.8	Sn	19:09:33.100	-0.1	T__			15332376	FDSN	IR	--	ISC	BUD	???	???	_
A147B	3.68	308.7	Pn	19:08:51.368	1.6	T__	648.7	_d_ MLv	15332550	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 4.3 0																	
KW1	3.68	301.2	Pn	19:08:51.197	1.3	T__	250.7	MLv	15332551	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_
KW1	3.68	301.2	Pg	19:09:03.146	1.7	T__			15332665	FDSN	IR	--	BUD	BUD	BHZ	???	_
(Station ML : 3.9 1																	

A145A	3.70	296.8	Pn	19:08:51.740	1.5	T__	360.7	___	MLv	15332552	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_	
(Station ML : 4.1 1																			
NIE	3.71	31.9	Pg	19:09:00.200	-4.3	T__		---		15332289	FDSN	IR	--	ISC	BUD	???	???	_	
NIE	3.72	32.0	Pn	19:08:51.521	1.2	T__	132.9	---	MLv	15332666	FDSN	PL	--	BUD	BUD	BHZ	BHZ	_	
NIE	3.72	32.0	Sn	19:09:35.444	1.2	T__		---		15332474	FDSN	PL	--	BUD	BUD	BHN	???	_	
(Station ML : 3.7 0																			
GOCS	3.74	136.0	Pn	19:08:52.100	1.3	T__		---		15332249	FDSN	IR	--	ISC	BUD	???	???	_	
DRGR	3.76	80.7	Pn	19:08:51.609	0.7	T__	239.5	---	MLv	15332430	FDSN	RO	--	BUD	BUD	BHZ	BHZ	_	
DRGR	3.76	80.7	Pn	19:08:51.775	0.8	T__		---		15332247	FDSN	IR	--	ISC	BUD	???	???	_	
DRGR	3.76	80.7	Pg	19:09:00.500	-6.0	T__		---		15332292	FDSN	IR	--	ISC	BUD	???	???	_	
DRGR	3.76	80.7	Sn	19:09:33.864	-0.2	T__		---		15332377	FDSN	IR	--	ISC	BUD	???	???	_	
DRGR	3.76	80.7	Sn	19:09:33.968	-0.1	T__		---		15332475	FDSN	RO	--	BUD	BUD	BHN	???	_	
(Station ML : 3.9 1																			
ZVC	3.77	327.4	Pn	19:08:52.100	1.3	T__		---		15332248	FDSN	IR	--	ISC	BUD	???	???	_	
KHC	3.78	319.7	x	19:08:53.400	-99.0	---		---		15332255	FDSN	IR	--	ISC	BUD	???	???	_	
KHC	3.78	319.7	Sn	19:09:35.500	0.6	T__		---		15332379	FDSN	IR	--	ISC	BUD	???	???	_	
KHC	3.78	319.7	Lg	19:09:51.700	-0.6	T__		---		15332396	FDSN	IR	--	ISC	BUD	???	???	_	
KRLC	3.79	354.9	x	19:08:55.100	-99.0	---		---		15332265	FDSN	IR	--	ISC	BUD	???	???	_	
KOME	3.80	154.6	Pn	19:08:53.364	1.2	T__	337.2	_c_	MLv	15332667	FDSN	IR	--	BUD	BUD	HH	HHZ	_	
(Station ML : 4.1 1																			
AOI	3.81	224.9	Pg	19:09:05.408	3.6	T__	494.6	---	MLv	15332715	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_	
(Station ML : 4.2 0																			
CGRP	3.85	265.6	Pn	19:08:52.337	-0.3	T__	335.0	_c_	MLv	15332553	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_	
CGRP	3.85	265.6	Sn	19:09:38.469	1.2	T__		---		15332742	FDSN	IR	--	BUD	BUD	BHT	???	_	
(Station ML : 4.1 1																			
HERR	3.86	109.8	Pn	19:08:53.585	1.3	T__		---		15332257	FDSN	IR	--	ISC	BUD	???	???	_	
HERR	3.86	109.8	Sn	19:09:37.819	1.4	T__		---		15332380	FDSN	IR	--	ISC	BUD	???	???	_	
A038A	3.87	289.4	Pn	19:08:53.936	1.1	T__	276.2	---	MLv	15332554	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_	
A038A	3.87	289.4	Pg	19:09:07.860	4.8	T__		---		15332716	FDSN	Z3	00	BUD	BUD	HHZ	???	_	
A038A	3.87	289.4	Sn	19:09:39.308	3.5	T__		---		15332743	FDSN	Z3	00	BUD	BUD	HHT	???	_	
(Station ML : 4.0 1																			
DEV	3.92	94.2	Pn	19:08:52.952	-0.2	T__		---		15332252	FDSN	IR	--	ISC	BUD	???	???	_	
DEV	3.92	94.2	Sn	19:09:38.015	0.5	T__		---		15332381	FDSN	IR	--	ISC	BUD	???	???	_	
GZR	3.93	101.5	Pn	19:08:54.167	0.6	T__	201.1	---	MLv	15332431	FDSN	RO	--	BUD	BUD	BHZ	BHZ	_	
GZR	3.93	101.5	Pn	19:08:56.400	2.9	T__		---		15332270	FDSN	IR	--	ISC	BUD	???	???	_	
GZR	3.93	101.5	Sn	19:09:39.865	1.4	T__		---		15332384	FDSN	IR	--	ISC	BUD	???	???	_	
(Station ML : 3.9 1																			
CTI	3.94	268.3	Pn	19:08:53.340	-0.3	T__		---		15332254	FDSN	IR	--	ISC	BUD	???	???	_	
A148B	3.95	305.7	Pn	19:08:54.515	1.2	T__	364.7	_d_	MLv	15332555	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_	
(Station ML : 4.1 1																			
HCY	3.95	167.1	Pn	19:08:54.300	0.0	T__		---		15332259	FDSN	IR	--	ISC	BUD	???	???	_	
MESR	3.97	75.7	Pn	19:08:54.528	0.8	T__		---		15332260	FDSN	IR	--	ISC	BUD	???	???	_	
MESR	3.97	75.7	Sn	19:09:39.304	0.6	T__		---		15332383	FDSN	IR	--	ISC	BUD	???	???	_	
GOPC	3.98	335.9	Pn	19:08:54.700	0.7	T__		---		15332262	FDSN	IR	--	ISC	BUD	???	???	_	
ZIAN	3.98	271.6	Pn	19:08:54.530	0.1	T__	239.8	_c_	MLv	15332668	FDSN	IR	--	BUD	BUD	EHZ	EHZ	_	
(Station ML : 4.0 1																			
A141A	4.00	293.2	Pn	19:08:56.013	1.6	T__	509.6	_c_	MLv	15332669	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_	
(Station ML : 4.3 0																			
BORS2	4.00	121.9	Pn	19:08:54.200	0.0	T__		---		15332258	FDSN	IR	--	ISC	BUD	???	???	_	
TRPA	4.01	61.0	Pn	19:08:55.739	1.8	T__	85.8	---	MLv	15332459	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_	
TRPA	4.01	61.0	Pg	19:09:10.049	-1.2	T__		---		15332460	FDSN	HU	--	BUD	BUD	BHZ	???	_	
(Station ML : 3.5 0																			
WTTA	4.01	285.9	Sn	19:09:43.910	3.8	T__	35.9	0.50	---	15332388	FDSN	IR	--	ISC	BUD	???	???	_	

MARR	4.03	82.7	Pn	19:08:55.542	0.6	T__			15332269	FDSN	IR	--	ISC	BUD	???	???	_	
MARR	4.03	82.7	Sn	19:09:40.757	-0.2	T__			15332385	FDSN	IR	--	ISC	BUD	???	???	_	
GUMA	4.04	217.7	x	19:09:00.260	-99.0	---			15332290	FDSN	IR	--	ISC	BUD	???	???	_	
TEOL	4.05	258.5	Pn	19:08:54.560	-0.0	T__			15332261	FDSN	IR	--	ISC	BUD	???	???	_	
WATA	4.06	286.7	Pn	19:08:56.848	1.1	T__	2.6	0.22	15332276	FDSN	IR	--	ISC	BUD	???	???	_	
DPC	4.10	351.2	Pn	19:08:56.700	0.9	T__			15332273	FDSN	IR	--	ISC	BUD	???	???	_	
DPC	4.10	351.2	x	19:08:59.800	-99.0	---			15332285	FDSN	IR	--	ISC	BUD	???	???	_	
HOLU	4.10	55.4	Pn	19:08:58.938	3.6	T__			15332556	FDSN	UA	--	BUD	BUD	MHZ	???	_	
HOLU	4.10	55.4	Pg	19:09:10.645	-2.1	T__			15332606	FDSN	UA	--	BUD	BUD	MHZ	???	_	
KOSI	4.10	274.3	Pn	19:08:57.739	1.4	T__	283.5		15332557	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_	
KOSI	4.10	274.3	Pg	19:09:12.417	7.5	T__			15332717	FDSN	IR	--	BUD	BUD	BHZ	???	_	
(Station ML : 4.1 1																		
BOVS	4.11	128.9	Pn	19:08:56.800	1.2	T__			15332275	FDSN	IR	--	ISC	BUD	???	???	_	
BOVS	4.11	128.9	Pg	19:08:56.874	-10.5	T__			15332277	FDSN	IR	--	ISC	BUD	???	???	_	
BOVS	4.11	128.9	Sn	19:09:46.119	4.2	T__			15332390	FDSN	IR	--	ISC	BUD	???	???	_	
ROSI	4.11	280.8	Pn	19:08:57.922	1.3	T__	205.4		15332768	FDSN	IR	--	BUD	BUD	BH	BHZ	_	
(Station ML : 3.9 1																		
SELS	4.11	137.3	Pn	19:08:57.200	1.3	T__			15332278	FDSN	IR	--	ISC	BUD	???	???	_	
PDG	4.12	159.4	Pn	19:08:55.400	-1.2	T__			15332266	FDSN	IR	--	ISC	BUD	???	???	_	
PDG	4.12	159.4	Pg	19:08:56.800	-9.0	T__			15332274	FDSN	IR	--	ISC	BUD	???	???	_	
PDG	4.12	159.4	Pb	19:08:58.228	-7.6	T__			15332281	FDSN	IR	--	ISC	BUD	???	???	_	
PDG	4.12	159.4	Sn	19:09:43.800	0.2	T__			15332387	FDSN	IR	--	ISC	BUD	???	???	_	
PDG	4.12	159.4	Lg	19:09:48.490	-11.9	T__			15332393	FDSN	IR	--	ISC	BUD	???	???	_	
PRU	4.12	334.4	Pn	19:08:56.400	0.5	T__			15332271	FDSN	IR	--	ISC	BUD	???	???	_	
PRU	4.12	334.4	Pn	19:08:56.698	0.8	T__	337.7		15332461	FDSN	CZ	--	BUD	BUD	BHZ	BHZ	_	
PRU	4.12	334.4	Pg	19:09:11.455	0.8	T__			15332462	FDSN	CZ	--	BUD	BUD	BHZ	???	_	
PRU	4.12	334.4	Lg	19:10:02.400	-0.2	T__			15332401	FDSN	IR	--	ISC	BUD	???	???	_	
(Station ML : 4.2 1																		
WET	4.12	315.2	x	19:08:57.700	-99.0	---			15332280	FDSN	IR	--	ISC	BUD	???	???	_	
WETR	4.12	315.2	Pn	19:08:57.340	1.8	T__	282.6		15332670	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_	
WETR	4.12	315.2	Pg	19:09:12.277	2.4	T__			15332718	FDSN	IR	--	BUD	BUD	BHZ	???	_	
(Station ML : 4.1 1																		
PANI	4.15	268.6	Pn	19:08:56.840	-0.2	T__	197.1	_d	15332769	FDSN	IR	--	BUD	BUD	EH	EHZ	_	
PANI	4.15	268.6	Lg	19:10:10.792	3.7	T__			15332744	FDSN	IR	--	BUD	BUD	EHT	???	_	
(Station ML : 3.9 1																		
MGS04	4.16	295.7	Pn	19:08:57.715	1.3	T__	56.5	_c	15332558	FDSN	IR	--	BUD	BUD	HHZ	HHZ	_	
(Station ML : 3.4 0																		
A140A	4.21	289.3	Pn	19:08:58.315	0.9	T__	436.1		15332672	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_	
A140A	4.21	289.3	Pg	19:09:14.167	5.2	T__			15332719	FDSN	Z3	00	BUD	BUD	HHZ	???	_	
(Station ML : 4.3 0																		
APPI	4.21	274.5	Pn	19:08:58.156	0.5	T__	203.8		15332671	FDSN	IR	--	BUD	BUD	EHZ	EHZ	_	
APPI	4.21	274.5	Sn	19:09:47.843	2.3	T__			15332745	FDSN	IR	--	BUD	BUD	EHT	???	_	
(Station ML : 4.0 1																		
PRA	4.23	334.1	Lg	19:10:10.284	4.3	T__			15332746	FDSN	IR	--	BUD	BUD	BHR	???	_	
MUKU	4.24	57.6	Pg	19:09:12.099	-3.3	T__			15332500	FDSN	UA	--	BUD	BUD	MHZ	???	_	
TRSU	4.25	63.1	Pg	19:09:19.432	3.7	T__			15332720	FDSN	UA	--	BUD	BUD	MHZ	???	_	
OJC	4.26	22.1	x	19:08:55.480	-99.0	---			15332267	FDSN	IR	--	ISC	BUD	???	???	_	
OJC	4.26	22.1	Pn	19:08:58.835	0.8	T__	126.1		15332501	FDSN	PL	--	BUD	BUD	BHZ	BHZ	_	
OJC	4.26	22.1	Sn	19:09:45.135	-3.2	T__			15332747	FDSN	PL	--	BUD	BUD	BHT	???	_	
(Station ML : 3.8 1																		
DOSS	4.27	266.5	Pn	19:08:58.209	-0.4	T__	325.6	_c	15332673	FDSN	IR	--	BUD	BUD	HH	HHZ	_	
(Station ML : 4.2 1																		
KOLS	4.27	50.2	Pg	19:09:15.200	-0.2	T__			15332337	FDSN	IR	--	ISC	BUD	???	???	_	

KOLS	4.27	50.2	Pb	19:09:17.000	1.6	T__	39.4	---	15332345	FDSN	IR	--	ISC	BUD	???	???	_
KOLS	4.27	50.2	Pg	19:09:17.171	1.7	T__	39405.4	--- MLv	15332721	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
(Station ML : 6.3 0																	
SQTA	4.29	284.5	Pg	19:09:15.518	5.9	T__	33.7	0.54 ---	15332338	FDSN	IR	--	ISC	BUD	???	???	_
SQTA	4.29	284.5	Sn	19:09:50.762	4.4	T__	19.9	0.40 ---	15332395	FDSN	IR	--	ISC	BUD	???	???	_
UPC	4.29	348.9	Pn	19:08:59.800	1.4	T__		---	15332286	FDSN	IR	--	ISC	BUD	???	???	_
UPC	4.29	348.9	x	19:09:00.100	-99.0	---		---	15332288	FDSN	IR	--	ISC	BUD	???	???	_
ZAGS	4.29	123.8	Pn	19:08:59.000	0.9	T__		---	15332282	FDSN	IR	--	ISC	BUD	???	???	_
MARN	4.30	263.2	Pn	19:08:58.271	-0.1	T__	326.9	--- MLv	15332559	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_
(Station ML : 4.2 1																	
MF5	4.30	220.9	Pg	19:09:15.487	6.2	T__	451.5	--- MLv	15332674	FDSN	IR	--	BUD	BUD	EHZ	EHZ	_
(Station ML : 4.3 0																	
OSTC	4.31	350.8	Pn	19:08:59.400	0.6	T__		---	15332283	FDSN	IR	--	ISC	BUD	???	???	_
SSFR	4.31	229.8	Pg	19:09:14.470	4.9	T__	462.0	--- MLv	15332675	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_
(Station ML : 4.3 0																	
OZOL	4.33	273.5	Pn	19:08:59.386	-0.0	T__	277.8	--- MLv	15332770	FDSN	IR	--	BUD	BUD	EH	EHZ	_
OZOL	4.33	273.5	Sn	19:09:51.025	2.1	T__		---	15332748	FDSN	IR	--	BUD	BUD	EHT	???	_
(Station ML : 4.1 1																	
DRME	4.34	161.2	Pn	19:08:59.700	-0.1	T__		---	15332284	FDSN	IR	--	ISC	BUD	???	???	_
DRME	4.34	161.2	Sn	19:09:48.700	-0.9	T__		---	15332394	FDSN	IR	--	ISC	BUD	???	???	_
A357B	4.35	305.4	Pn	19:08:59.794	1.2	T__	367.8	--- MLv	15332771	FDSN	Z3	00	BUD	BUD	HH	HHZ	_
(Station ML : 4.3 0																	
CHVC	4.36	349.5	Sn	19:09:52.643	2.5	T__		---	15332749	FDSN	IR	--	BUD	BUD	BHT	???	_
CJR	4.37	82.4	Pn	19:08:59.931	0.4	T__		---	15332287	FDSN	IR	--	ISC	BUD	???	???	_
CJR	4.37	82.4	Sn	19:09:50.644	1.9	T__		---	15332476	FDSN	RO	--	BUD	BUD	BHE	???	_
PIEI	4.37	232.4	Pn	19:09:00.610	1.6	T__	215.5	--- MLv	15332560	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_
(Station ML : 4.0 1																	
A356A	4.39	310.3	Pn	19:09:00.275	1.2	T__	271.4	--- MLv	15332561	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 4.1 1																	
BRIU	4.39	60.3	Pg	19:09:13.569	-4.6	T__		---	15332676	FDSN	UA	--	BUD	BUD	MHZ	???	_
BCI	4.41	152.3	x	19:09:02.000	-99.0	---		---	15332299	FDSN	IR	--	ISC	BUD	???	???	_
GAGG	4.41	269.4	Pn	19:09:00.275	-0.3	T__	99.8	--- MLv	15332562	FDSN	IR	--	BUD	BUD	HHZ	HHZ	_
(Station ML : 3.7 0																	
LUSI	4.43	267.8	Pn	19:09:00.333	-0.2	T__	319.8	--- MLv	15332563	FDSN	IR	--	BUD	BUD	HHZ	HHZ	_
(Station ML : 4.2 0																	
FDMO	4.44	224.1	x	19:09:00.960	-99.0	---		---	15332294	FDSN	IR	--	ISC	BUD	???	???	_
BMR	4.45	69.9	Pn	19:09:00.607	0.1	T__		---	15332293	FDSN	IR	--	ISC	BUD	???	???	_
PUNG	4.46	115.0	Pn	19:09:01.385	0.9	T__		---	15332295	FDSN	IR	--	ISC	BUD	???	???	_
SRE	4.47	109.5	Pn	19:09:01.502	0.8	T__		---	15332297	FDSN	IR	--	ISC	BUD	???	???	_
VARA	4.48	266.1	Pn	19:09:01.045	-0.5	T__	348.0	_c MLv	15332677	FDSN	IR	--	BUD	BUD	EHZ	EHZ	_
VARA	4.48	266.1	Sn	19:09:53.252	0.2	T__		---	15332750	FDSN	IR	--	BUD	BUD	EHT	???	_
(Station ML : 4.3 0																	
A355A	4.50	314.4	Pn	19:09:02.451	1.8	T__	221.2	--- MLv	15332678	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 4.1 1																	
STZU	4.50	51.0	Pg	19:09:20.496	0.8	T__		---	15332607	FDSN	UA	--	BUD	BUD	MHZ	???	_
FFB1	4.51	296.5	Pn	19:09:02.058	1.1	T__	220.6	--- MLv	15332566	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_
(Station ML : 4.1 1																	
FFB2	4.51	296.5	Pn	19:09:02.110	1.2	T__	255.1	--- MLv	15332567	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_
(Station ML : 4.1 1																	
FFB3	4.51	296.5	Pn	19:09:01.980	1.1	T__	263.9	--- MLv	15332565	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_
FFB3	4.51	296.5	Sn	19:09:53.817	3.6	T__		---	15332751	FDSN	IR	--	BUD	BUD	BHR	???	_
(Station ML : 4.1 1																	
FUR	4.51	296.6	Pn	19:09:02.104	1.2	T__	224.9	--- MLv	15332564	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_

(Station ML : 4.1 1 A143A 4.52 290.0 Pn	19:09:02.441	0.8	T__	353.9	---	MLv	15332568	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 4.3 0 MBAL 4.53 264.6 Pn	19:09:01.487	-0.5	T__	165.3	---	MLv	15332679	FDSN	IR	--	BUD	BUD	EHZ	EHZ	_
(Station ML : 4.0 1 LMD 4.54 242.6 Pn	19:09:01.561	0.4	T__	257.7	---	MLv	15332570	FDSN	IR	--	BUD	BUD	HHZ	HHZ	_
(Station ML : 4.1 1 TERO 4.54 217.0 Pn	19:09:03.799	2.1	T__	206.7	---	MLv	15332569	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_
(Station ML : 4.1 1 BALD 4.56 264.5 Pn	19:09:02.244	-0.4	T__	318.2	---	MLv	15332571	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_
(Station ML : 4.2 0 CARE 4.58 273.9 Pn	19:09:02.777	-0.7	T__	162.2	---	MLv	15332680	FDSN	IR	--	BUD	BUD	EHZ	EHZ	_
CARE 4.58 273.9 Pg	19:09:19.589	6.3	T__		---		15332722	FDSN	IR	--	BUD	BUD	EHZ	???	_
(Station ML : 4.0 1 FETA 4.58 281.3 Pn	19:09:04.170	1.0	T__	1.3	0.26	---	15332306	FDSN	IR	--	ISC	BUD	???	???	_
FETA 4.58 281.3 Sn	19:09:55.087	0.7	T__	4.8	0.44	---	15332397	FDSN	IR	--	ISC	BUD	???	???	_
NRCA 4.58 222.2 x	19:09:02.220	-99.0	T__			---	15332300	FDSN	IR	--	ISC	BUD	???	???	_
KSP 4.59 352.0 Pn	19:09:03.800	1.1	T__	0.1		---	15332304	FDSN	IR	--	ISC	BUD	???	???	_
KSP 4.59 352.0 x	19:09:06.600	-99.0	T__			---	15332313	FDSN	IR	--	ISC	BUD	???	???	_
KSP 4.59 352.0 Pg	19:09:07.700	-10.9	T__			---	15332321	FDSN	IR	--	ISC	BUD	???	???	_
LOT 4.60 98.4 Pn	19:09:03.294	0.1	T__			---	15332302	FDSN	IR	--	ISC	BUD	???	???	_
LOT 4.60 98.4 x	19:09:06.200	-99.0	T__			---	15332311	FDSN	IR	--	ISC	BUD	???	???	_
LOT 4.60 98.4 Sn	19:09:55.805	0.9	T__			---	15332398	FDSN	IR	--	ISC	BUD	???	???	_
PVCC 4.60 337.7 x	19:09:05.900	-99.0	T__			---	15332310	FDSN	IR	--	ISC	BUD	???	???	_
RETA 4.64 287.1 Sn	19:09:57.325	3.2	T__	8.9	0.28	---	15332399	FDSN	IR	--	ISC	BUD	???	???	_
SMA1 4.64 219.1 Pn	19:09:04.584	1.4	T__	342.4		MLv	15332681	FDSN	IR	--	BUD	BUD	EHZ	EHZ	_
(Station ML : 4.3 0 ATMI 4.65 232.1 Pg	19:09:20.739	5.5	T__	576.9		MLv	15332723	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_
(Station ML : 4.5 0 GRC3 4.65 305.8 Pn	19:09:03.490	0.9	T__	224.8		MLv	15332572	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_
(Station ML : 4.1 1 PUK 4.65 155.5 Pn	19:09:04.930	0.6	T__				15332307	FDSN	IR	--	ISC	BUD	???	???	_
RONC 4.65 268.4 Pn	19:09:03.559	-0.5	T__	218.2		MLv	15332682	FDSN	IR	--	BUD	BUD	EHZ	EHZ	_
(Station ML : 4.1 1 MOSI 4.68 276.2 Pn	19:09:04.848	0.2	T__	219.9		MLv	15332573	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_
(Station ML : 4.1 1 CAMP 4.69 217.9 Pn	19:09:02.860	-1.1	T__				15332301	FDSN	IR	--	ISC	BUD	???	???	_
SGRT 4.69 194.4 Pn	19:09:04.020	-0.5	T__				15332305	FDSN	IR	--	ISC	BUD	???	???	_
GRB5 4.72 308.5 Pn	19:09:04.415	0.9	T__	251.8		MLv	15332574	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_
GRB5 4.72 308.5 Lg	19:10:27.122	5.4	T__				15332752	FDSN	IR	--	BUD	BUD	BHR	???	_
(Station ML : 4.2 1 ALTM 4.74 306.6 Pn	19:09:04.772	1.0	T__	212.8		MLv	15332683	FDSN	IR	--	BUD	BUD	EHZ	EHZ	_
ALTM 4.74 306.6 Lg	19:10:29.027	6.7	T__				15332754	FDSN	IR	--	BUD	BUD	EHR	???	_
(Station ML : 4.1 1 GRC1 4.74 306.6 Lg	19:10:28.843	6.5	T__				15332753	FDSN	IR	--	BUD	BUD	BHR	???	_
BARS 4.75 135.7 Pn	19:09:05.700	1.0	T__				15332309	FDSN	IR	--	ISC	BUD	???	???	_
GRC2 4.76 304.7 Pn	19:09:05.032	1.0	T__	252.3		MLv	15332575	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_
GRC2 4.76 304.7 Pg	19:09:26.657	4.9	T__				15332724	FDSN	IR	--	BUD	BUD	BHZ	???	_
GRC2 4.76 304.7 Lg	19:10:29.784	7.0	T__				15332755	FDSN	IR	--	BUD	BUD	BHT	???	_
(Station ML : 4.2 1 BRMO 4.80 274.5 Pn	19:09:06.860	0.7	T__	128.7		MLv	15332576	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_
BRMO 4.80 274.5 Pg	19:09:25.245	8.5	T__				15332725	FDSN	IR	--	BUD	BUD	BHZ	???	_
(Station ML : 3.9 1															

GRB2	4.82	310.0	Pn	19:09:06.042	1.1	T__	305.8	___	MLv	15332577	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_	
(Station ML : 4.3 0																			
A365A	4.84	294.9	Pn	19:09:06.588	1.0	T__	341.0	___	MLv	15332684	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_	
(Station ML : 4.3 0																			
A363A	4.86	299.4	Pn	19:09:07.235	1.8	T__	325.8	___	MLv	15332608	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_	
(Station ML : 4.3 0																			
ZAPS	4.86	126.7	Pn	19:09:07.200	1.1	T__		---		15332317	FDSN	IR	--	ISC	BUD	???	???	_	
FUORN	4.87	276.2	Pn	19:09:07.440	-0.2	T__		---		15332320	FDSN	IR	--	ISC	BUD	???	???	_	
ZCCA	4.87	248.6	Pn	19:09:06.830	1.1	T__		---		15332315	FDSN	IR	--	ISC	BUD	???	???	_	
ARCR	4.91	78.3	Sn	19:10:02.770	1.0	T__		---		15332402	FDSN	IR	--	ISC	BUD	???	???	_	
ARCR	4.91	78.3	Sn	19:10:04.268	2.5	T__		---		15332477	FDSN	RO	--	BUD	BUD	BHN	???	_	
INTR	4.94	210.8	x	19:09:07.420	-99.0	---		---		15332318	FDSN	IR	--	ISC	BUD	???	???	_	
GRB4	4.99	311.4	Pn	19:09:08.426	1.1	T__	439.8	---	MLv	15332578	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_	
GRB4	4.99	311.4	Pn			---	17636.8	0.47	---	15332578	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_	
(Station ML : 4.5 0																			
RAKU	4.99	67.3	Pg	19:09:29.601	-0.1	T__		---		15332502	FDSN	UA	--	BUD	BUD	MHZ	???	_	
MGBB	5.00	319.0	Pn	19:09:09.578	1.7	T__	20423.8	0.65	---	15332685	FDSN	IR	--	BUD	BUD	EHZ	EHZ	_	
MGBB	5.00	319.0	Pn			---	309920.4		---	15332685	FDSN	IR	--	BUD	BUD	EHZ	EHZ	_	
MGBB	5.00	319.0	Pn			---	136.9		---	15332685	FDSN	IR	--	BUD	BUD	EHZ	EHZ	_	
(Station ML : 4.0 1																			
CESX	5.01	224.1	x	19:09:07.420	-99.0	---		---		15332319	FDSN	IR	--	ISC	BUD	???	???	_	
HSKC	5.01	330.5	Pn	19:09:08.866	0.3	T__	15519.2	0.70	---	15332579	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_	
HSKC	5.01	330.5	Pn			---	199.9		---	15332579	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_	
(Station ML : 4.2 1																			
MGAB	5.02	229.4	Pg	19:09:29.460	8.3	T__	36550.3	0.70	---	15332686	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_	
MGAB	5.02	229.4	Pg			---	220.4		---	15332686	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_	
(Station ML : 4.2 0																			
FIAM	5.03	218.1	Pg	19:09:26.928	6.9	T__	18083.6	0.94	---	15332687	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_	
FIAM	5.03	218.1	Pg			---	109.2		---	15332687	FDSN	IR	--	BUD	BUD	BHZ	BHZ	_	
(Station ML : 3.9 1																			
ZONE	5.03	266.4	Pn	19:09:08.690	-0.1	T__	173.0		---	15332580	FDSN	IR	--	BUD	BUD	HHZ	HHZ	_	
(Station ML : 4.1 1																			
A361A	5.04	301.9	Pn	19:09:09.009	1.1	T__	29377.2	0.45	_d_	15332688	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_	
A361A	5.04	301.9	Pn			---	258.5		---	15332688	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_	
(Station ML : 4.3 0																			
BRG	5.08	335.2	Pn	19:09:10.810	1.1	T__		---		15332327	FDSN	IR	--	ISC	BUD	???	???	_	
BRG	5.08	335.2	AMB	19:09:17.710	-99.0	---	3.5	0.41	---	15332349	FDSN	IR	--	ISC	BUD	???	???	_	
BRG	5.08	335.2	Pg	19:09:32.910	4.2	T__		---		15332375	FDSN	IR	--	ISC	BUD	???	???	_	
BRG	5.08	335.2	Sn	19:10:06.660	1.7	T__		---		15332404	FDSN	IR	--	ISC	BUD	???	???	_	
BRG	5.08	335.2	Lg	19:10:32.520	-1.0	T__		---		15332409	FDSN	IR	--	ISC	BUD	???	???	_	
BRG	5.08	335.2	AMB	19:10:44.110	-99.0	---	29.8	0.69	---	15332411	FDSN	IR	--	ISC	BUD	???	???	_	
NKC	5.09	322.2	Pn	19:09:10.300	1.1	T__		---		15332322	FDSN	IR	--	ISC	BUD	???	???	_	
NKC	5.09	322.2	x	19:09:10.500	-99.0	---	14.5	0.50	---	15332323	FDSN	IR	--	ISC	BUD	???	???	_	
OSSC	5.12	239.3	Pn	19:09:06.680	-2.2	T__		---		15332314	FDSN	IR	--	ISC	BUD	???	???	_	
DAVOX	5.14	278.0	Pn	19:09:11.925	0.7	T__	1.5	0.33	---	15332330	FDSN	IR	--	ISC	BUD	???	???	_	
DAVOX	5.14	278.0	Lg	19:10:39.100	3.7	T__	0.4	0.33	---	15332410	FDSN	IR	--	ISC	BUD	???	???	_	
DAVOX	5.14	278.0	x	23:59:59.590	-99.0	---	3.1	0.28	---	15332439	FDSN	IR	--	ISC	BUD	???	???	_	
PHP	5.15	152.8	x	19:09:14.000	-99.0	---	33.1	0.90	---	15332333	FDSN	IR	--	ISC	BUD	???	???	_	
DAVA	5.19	283.6	Pn	19:09:11.862	0.3	T__	4.5	0.28	---	15332328	FDSN	IR	--	ISC	BUD	???	???	_	
DAVA	5.19	283.6	Sn	19:10:10.900	2.1	T__	16.1	0.34	---	15332405	FDSN	IR	--	ISC	BUD	???	???	_	
ARR	5.21	97.8	Pn	19:09:10.700	-1.1	T__		---		15332326	FDSN	IR	--	ISC	BUD	???	???	_	
ARR	5.21	97.8	x	19:09:17.000	-99.0	---	9.2	1.40	---	15332346	FDSN	IR	--	ISC	BUD	???	???	_	
ARR	5.21	97.8	Sn	19:10:12.015	2.1	T__		---		15332406	FDSN	IR	--	ISC	BUD	???	???	_	

TANN	5.22	323.6	x	19:09:10.500	-99.0	---	27.8	0.80	---	15332324	FDSN	IR	--	ISC	BUD	???	???	-
GRA1	5.30	311.9	Pn	19:09:11.900	0.3	T__			---	15332329	FDSN	IR	--	ISC	BUD	???	???	-
GRFO	5.30	311.9	Pn	19:09:12.370	0.8	T__			---	15332331	FDSN	IR	--	ISC	BUD	???	???	-
VOIR	5.48	96.3	Pn	19:09:15.004	-0.7	T__			---	15332336	FDSN	IR	--	ISC	BUD	???	???	-
VOIR	5.48	96.3	Sn	19:10:17.836	1.0	T__			---	15332407	FDSN	IR	--	ISC	BUD	???	???	-
TUE	5.51	274.6	Pn	19:09:16.100	-0.2	T__			---	15332340	FDSN	IR	--	ISC	BUD	???	???	-
BUR08	5.57	73.2	x	19:09:16.880	-99.0	---			---	15332344	FDSN	IR	--	ISC	BUD	???	???	-
BURAR	5.57	73.6	Pn	19:09:16.302	-0.5	T__			---	15332341	FDSN	IR	--	ISC	BUD	???	???	-
BURAR	5.57	73.6	x	19:09:16.720	-99.0	---			---	15332343	FDSN	IR	--	ISC	BUD	???	???	-
BURAR	5.57	73.6	Sn	19:10:18.808	0.1	T__			---	15332408	FDSN	IR	--	ISC	BUD	???	???	-
DOPR	5.63	90.5	Pn	19:09:16.583	-1.0	T__			---	15332342	FDSN	IR	--	ISC	BUD	???	???	-
KSV	5.65	66.4	Pg	19:09:44.064	2.0	T__			---	15332689	FDSN	UA	--	BUD	BUD	MHZ	???	-
MATE	5.67	184.6	Pn	19:09:20.767	3.2	T__			---	15332355	FDSN	IR	--	ISC	BUD	???	???	-
CLL	5.75	332.0	Pn	19:09:19.310	0.2	T__			---	15332351	FDSN	IR	--	ISC	BUD	???	???	-
CLL	5.75	332.0	x	19:09:19.400	-99.0	---	12.0	0.50	---	15332352	FDSN	IR	--	ISC	BUD	???	???	-
OHR	5.78	152.8	Pn	19:09:23.840	3.9	T__			---	15332358	FDSN	IR	--	ISC	BUD	???	???	-
MSSA	5.84	252.9	Pn	19:09:20.240	1.1	T__			---	15332354	FDSN	IR	--	ISC	BUD	???	???	-
OZUR	5.89	89.0	Pn	19:09:20.044	-1.2	T__			---	15332353	FDSN	IR	--	ISC	BUD	???	???	-
STU	6.02	297.1	Pn	19:09:22.700	1.6	T__	0.4		---	15332357	FDSN	IR	--	ISC	BUD	???	???	-
PEHC	6.06	136.3	Pn	19:09:24.900	1.5	T__			---	15332361	FDSN	IR	--	ISC	BUD	???	???	-
MLR	6.09	94.6	Pn	19:09:23.900	-0.5	T__			---	15332359	FDSN	IR	--	ISC	BUD	???	???	-
MLR	6.09	94.6	Pn	19:09:23.943	-0.4	T__			---	15332360	FDSN	IR	--	ISC	BUD	???	???	-
MLR	6.09	94.6	Pg	19:09:24.920	-23.9	T__	1.8	0.33	---	15332362	FDSN	IR	--	ISC	BUD	???	???	-
MLR	6.09	94.6	Pb	19:09:25.000	-23.8	T__	0.1		---	15332363	FDSN	IR	--	ISC	BUD	???	???	-
MLR	6.09	94.6	Lg	19:11:07.695	-1.9	T__	0.3	0.33	---	15332412	FDSN	IR	--	ISC	BUD	???	???	-
MLR	6.09	94.6	LR	19:11:20.557	-99.0	---	54.9	21.41	---	15332413	FDSN	IR	--	ISC	BUD	???	???	-
MLR	6.09	94.6	x	23:59:59.590	-99.0	---	4.0	0.28	---	15332440	FDSN	IR	--	ISC	BUD	???	???	-
FNA	6.26	150.4	Pn	19:09:26.180	-0.5	T__			---	15332364	FDSN	IR	--	ISC	BUD	???	???	-
NEHR	6.34	94.7	Pn	19:09:27.500	-0.1	T__			---	15332369	FDSN	IR	--	ISC	BUD	???	???	-
CUC	6.40	190.3	Pn	19:09:27.250	-0.6	T__			---	15332367	FDSN	IR	--	ISC	BUD	???	???	-
BFO	6.43	291.6	x	19:09:27.050	-99.0	---			---	15332366	FDSN	IR	--	ISC	BUD	???	???	-
TESR	6.47	84.8	Pn	19:09:27.826	-1.2	T__			---	15332370	FDSN	IR	--	ISC	BUD	???	???	-
VRI	6.57	90.5	Pn	19:09:30.050	-0.7	T__			---	15332373	FDSN	IR	--	ISC	BUD	???	???	-
KEK	6.84	163.6	Pn	19:09:35.200	1.5	T__			---	15332378	FDSN	IR	--	ISC	BUD	???	???	-
TIP	7.14	183.4	Pn	19:09:38.390	0.0	T__			---	15332382	FDSN	IR	--	ISC	BUD	???	???	-
BNI	7.55	264.3	Pn	19:09:42.980	-0.4	T__			---	15332386	FDSN	IR	--	ISC	BUD	???	???	-
RDO	7.88	127.9	Pn	19:09:48.270	1.0	T__			---	15332392	FDSN	IR	--	ISC	BUD	???	???	-
SSB	8.98	268.0	Pn	19:10:01.800	-1.1	T__			---	15332400	FDSN	IR	--	ISC	BUD	???	???	-
AKASG	9.05	56.6	Pn	19:10:05.313	1.9	T__	0.3	0.33	---	15332403	FDSN	IR	--	ISC	BUD	???	???	-
EKA	15.72	312.5	Pn	19:11:36.000	1.2	T__			---	15332416	FDSN	IR	--	ISC	BUD	???	???	-
EKA	15.72	312.5	x	23:59:59.590	-99.0	---	2.5	0.65	---	15332441	FDSN	IR	--	ISC	BUD	???	???	-
FIA1	16.00	15.4	Pn	19:11:36.420	-1.9	T__			---	15332417	FDSN	IR	--	ISC	BUD	???	???	-
FIA1	16.00	15.4	IAmb	19:12:10.870	-99.0	---	39.2	1.18	---	15332418	FDSN	IR	--	ISC	BUD	???	???	-
FINES	16.00	15.4	Pn	19:11:33.980	-4.3	T__			---	15332414	FDSN	IR	--	ISC	BUD	???	???	-
FINES	16.00	15.4	P	19:11:35.425	-6.3	T__	0.3	0.33	---	15332415	FDSN	IR	--	ISC	BUD	???	???	-
FINES	16.00	15.4	x	23:59:59.590	-99.0	---	3.4	1.10	---	15332442	FDSN	IR	--	ISC	BUD	???	???	-
ZALV	42.44	54.0	P	19:15:48.796	0.9	T__	0.2	0.33	---	15332419	FDSN	IR	--	ISC	BUD	???	???	-
ZALV	42.44	54.0	x	23:59:59.590	-99.0	---	0.2	0.33	---	15332443	FDSN	IR	--	ISC	BUD	???	???	-
MKAR	43.53	64.7	P	19:15:58.025	1.1	T__	0.4	0.68	---	15332420	FDSN	IR	--	ISC	BUD	???	???	-
MKAR	43.53	64.7	x	23:59:59.590	-99.0	---	0.4	0.68	---	15332444	FDSN	IR	--	ISC	BUD	???	???	-
SONM	57.32	53.2	P	19:17:42.415	1.1	T__	0.4	0.74	---	15332421	FDSN	IR	--	ISC	BUD	???	???	-
SONM	57.32	53.2	x	23:59:59.590	-99.0	---	0.4	0.74	---	15332445	FDSN	IR	--	ISC	BUD	???	???	-
MLN	57.44	169.1	P	19:08:44.611	-537.8	T__	378.4		_c_ MLv	15332545	FDSN	IR	--	BUD	BUD	BHZ	BHZ	-

MLN	57.44	169.1	S	19:09:24.525	-974.6					T__						15332735	FDSN	IR	--	BUD	BUD	BHN	???	_
YKA	64.95	337.6	P	19:18:33.900	1.3					T__	0.4	0.81	---			15332422	FDSN	IR	--	ISC	BUD	???	???	_
YKA	64.95	337.6	x	23:59:59.590	-99.0					---	0.4	0.81	---			15332446	FDSN	IR	--	ISC	BUD	???	???	_
KSRS	75.99	50.1	LR	19:55:59.293	-99.0					---	58.4	18.16	---			15332436	FDSN	IR	--	ISC	BUD	???	???	_
PALA	94.86	272.6	P	19:08:41.934	-753.9					T__	834.7		---	MLv		15332543	FDSN	IR	--	BUD	BUD	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
2019/03/07	19:21:16.64	0.89	0.84	46.2674	17.3187	4.3	3.7	170	10.0A		12	6	107	0.11	0.92	m	ke BUD	15292747	iLoc			200
2019/03/07	19:21:15.36		1.23	46.3090	17.3070				12.9F		0		109	0.15	0.93	a	ke BUD_DD	15332775	BUD_DD			209

(description : hypoDD analysis)
(locality : Somogyszob Hungary)
(reference : Wéber, Czece, Süle, Bondár (2020) doi.org/10.1007/s40328-020-00311-7)

Magnitude	Err	Nsta	Author	OrigID
ML	1.2	0.6	4 BUD	15292747
ML	1.6	0.1	4 ILOC	15332775

Sta	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	0.15	184.7	Pg	19:21:19.747	0.4					T__		180.8			_d MLv	15332786	FDSN	Z3	00	BUD	BUD	HH	HHZ	_
A264A	0.15	184.7	Lg	19:21:21.146	-1.0					T__					---	15332784	FDSN	Z3	00	BUD	BUD	HHN	???	_
(Station ML : 1.0 1)																								
A265A	0.36	71.0	Pg	19:21:23.984	1.1					T__		219.6			___ MLv	15332788	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A265A	0.36	71.0	Lg	19:21:29.464	1.3					T__					---	15332782	FDSN	Z3	00	BUD	BUD	HHN	???	_
(Station ML : 1.6 1)																								
BEHE	0.40	293.9	Pn	19:21:25.900	-1.0					T__		0.1			---	15332777	FDSN	IR	--	ISC	BUD	???	???	_
BEHE	0.40	293.9	Lg	19:21:31.600	2.1					T__		0.1			---	15332778	FDSN	IR	--	ISC	BUD	???	???	_
KOVH	0.59	111.6	Pn	19:21:28.497	0.4					T__		52.0			___ MLv	15332780	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.59	111.6	Lg	19:21:35.772	0.4					T__					---	15332783	FDSN	HU	--	BUD	BUD	BHE	???	_
KOVH	0.59	111.6	Lg	19:21:35.900	0.5					T__		0.1			---	15332779	FDSN	IR	--	ISC	BUD	???	???	_
(Station ML : 1.5 1)																								
TIH	0.71	33.9	Lg	19:21:40.264	0.4					T__					---	15332781	FDSN	HU	--	BUD	BUD	HHE	???	_
MORH	0.93	95.3	Pg	19:21:33.759	0.3					T__		35.7			___ MLv	15332785	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
MORH	0.93	95.3	Pb	19:21:36.243	2.8					T__					---	15332787	FDSN	HU	--	BUD	BUD	HHZ	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/03/07	19:38:21.19	0.97	1.65	46.3096	17.3147	7.3	3.7	115	4.2F		0.5	12	6	173	0.15	0.93	m	ke BUD	15292781	iLoc			248

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.3	4 ILOC	15292781

Sta	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	0.15	186.7	Pg	19:38:24.868	0.3					T__		239.6			_d MLv	15292783	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A264A	0.15	186.7	Lg	19:38:27.230	0.2					T__					---	15292784	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 1.1 1)																								
A263A	0.33	0.0	Lg	19:38:32.997	0.2					T__					---	15292785	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A265A	0.35	70.8	Pg	19:38:28.591	0.1					T__		175.8			___ MLv	15292786	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A265A	0.35	70.8	Lg	19:38:33.025	-0.5					T__					---	15292787	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
(Station ML : 1.5 1)																								

KOVH	0.59	111.8	Pn	19:38:33.600	-1.3	T__	0.0	---	---	15292788	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	0.59	111.8	Pn	19:38:33.706	-1.2	T__	37.7	---	MLv	15292789	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.59	111.8	Lg	19:38:40.620	-0.6	T__	---	---	---	15292790	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOVH	0.59	111.8	Sn	19:38:41.200	-4.0	T__	0.0	---	---	15292791	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.4 1																		
MPLH	0.87	10.1	Lg	19:38:51.370	0.5	T__	---	---	---	15292792	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORH	0.93	95.3	Pg	19:38:40.735	1.2	T__	10.1	---	MLv	15292793	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	0.93	95.3	Lg	19:38:52.468	-0.4	T__	---	---	---	15292794	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/07	21:06:59.65	0.29	0.69	47.5542	18.9578				3.6	1.5	27	14	87	0.08	1.58	m	ke BUD	15234439	sysop@krszo			360
2019/03/07	21:06:58.88	0.80	1.12	47.5595	18.9563	3.7	2.8	123	6.4F	9.0	27	14	88	0.09	1.58	m	ke BUD_GT	15292814	iLoc		140	

(GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)

Magnitude	Err	Nsta	Author	OrigID	
M	1.6	11	BUD	15234439	
MLv	1.6	0.2	11	BUD	15234439
ML	1.6	0.2	13	ILOC	15292814

Sta	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	0.09	148.9	Pg	21:07:01.506	0.2					T__		349.1		---	MLv	15292816	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BUD	0.09	148.9	Lg	21:07:03.248	-0.1					T__				---	---	15292817	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.1 0																								
A270A	0.29	8.4	Pg	21:07:05.661	0.6					T__		175.5		---	MLv	15292818	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A270A	0.29	8.4	Lg	21:07:10.388	0.5					T__				---	---	15292819	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 1.3 1																								
A269A	0.40	281.7	Pg	21:07:07.087	0.1					T__		161.3		---	MLv	15292820	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A269A	0.40	281.7	Lg	21:07:12.592	-1.0					T__				---	---	15292821	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 1.6 1																								
CSKK	0.51	247.7	Lg	21:07:16.702	-0.9					T__				---	---	15292822	FDSN	HU	--	BUD	iLoc	HHE	???	_
A338A	0.61	318.5	Pg	21:07:12.064	0.9					T__		165.2		---	MLv	15292823	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A338A	0.61	318.5	Lg	21:07:21.044	-0.0					T__				---	---	15292824	FDSN	Z3	00	BUD	iLoc	HH2	???	_
(Station ML : 2.1 0																								
A336A	0.67	2.4	Pg	21:07:12.764	0.2					T__		74.7		---	MLv	15292825	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A336A	0.67	2.4	Lg	21:07:21.715	-1.1					T__				---	---	15292826	FDSN	Z3	00	BUD	iLoc	HH2	???	_
(Station ML : 1.7 1																								
A267A	0.69	207.9	Pg	21:07:12.623	0.0					T__		79.6		---	MLv	15292827	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A267A	0.69	207.9	Lg	21:07:22.994	-0.5					T__				---	---	15292828	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 1.8 1																								
A268A	0.71	260.0	Pn	21:07:15.162	1.1					T__		47.6		---	MLv	15292829	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A268A	0.71	260.0	Lg	21:07:23.035	-1.0					T__				---	---	15292830	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 1.6 1																								
PSZ	0.73	60.1	Pg	21:07:13.667	-0.6					T__		43.5		---	MLv	15292831	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.73	60.1	Lg	21:07:24.184	-1.0					T__				---	---	15292832	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.5 1																								
VYHS	0.94	355.1	Pg	21:07:18.797	1.0					T__		11.3		---	MLv	15292833	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.94	355.1	Lg	21:07:29.777	-1.5					T__				---	---	15292834	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.1 0																								
A335A	0.98	335.1	Pn	21:07:18.970	1.0					T__		53.5		---	MLv	15292835	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A335A	0.98	335.1	Lg	21:07:31.939	-1.3					T__				---	---	15292836	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 1.8 1																								

MPLH	1.04	248.5	Pn	21:07:18.811	0.2	T__	44.9	___	MLv	15292837	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	1.04	248.5	Lg	21:07:33.803	-0.2	T__		___		15292838	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.7 1)																		
MORH	1.36	189.2	Pn	21:07:25.000	2.2	T__	15.6	___	MLv	15292839	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.36	189.2	Sn	21:07:42.801	1.2	T__		___		15292840	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.4 1)																		
KOVH	1.58	202.1	Pn	21:07:26.093	0.0	T__	52.3	___	MLv	15292841	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	1.58	202.1	Sn	21:07:50.104	2.8	T__		___		15292842	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/08	00:11:55.72	0.77	0.98	46.3357	17.3220	3.5	3.0	129	8.9F	0.5	39	21	69	0.18	1.39	m	ke BUD	15292896	iLoc			96
2019/03/08	00:11:54.83		0.98	46.3110	17.3020				13.1F	0			67	0.15	1.37	a	ke BUD_DD	15332792	BUD_DD			67
(description : hypoDD analysis)																						
(locality : Somogyszob Hungary)																						
(reference : Wéber, Czece, Süle, Bondár (2020) doi.org/10.1007/s40328-020-00311-7)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.3	15 BUD	15292896
ML	1.8	0.3	15 ILOC	15332792

Sta	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	0.15	183.4	Pg	00:11:59.290	0.5					T__		359.1		_d_	MLv	15332806	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A264A	0.15	183.4	Lg	00:12:00.776	-0.9					T__				---		15332823	FDSN	Z3	00	BUD	BUD	HHZ	???	_
(Station ML : 1.3 0)																								
A263A	0.33	1.5	Pg	00:12:01.827	-0.1					T__		238.6		---	MLv	15332832	FDSN	Z3	00	BUD	BUD	HH	HHZ	_
A263A	0.33	1.5	Lg	00:12:06.230	-0.6					T__				---		15332824	FDSN	Z3	00	BUD	BUD	HHZ	???	_
(Station ML : 1.6 1)																								
A265A	0.36	71.5	Pg	00:12:02.999	0.6					T__		242.7		_d_	MLv	15332807	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A265A	0.36	71.5	Lg	00:12:07.475	-0.3					T__				---		15332808	FDSN	Z3	00	BUD	BUD	HHZ	???	_
(Station ML : 1.7 1)																								
BEHE	0.40	293.8	Lg	00:12:09.795	0.9					T__				---		15332825	FDSN	HU	--	BUD	BUD	BHT	???	_
BEHE	0.40	293.8	Lg	00:12:10.000	1.1					T__				---		15332795	FDSN	IR	--	ISC	BUD	???	???	_
A273A	0.53	137.6	Pn	00:12:07.731	1.0					T__		2.9		---	MLv	15332809	FDSN	Z3	--	BUD	BUD	HHZ	HHZ	_
(Station ML : 0.2 0)																								
KOVH	0.60	111.6	Pn	00:12:07.936	0.3					T__		45.1		---	MLv	15332810	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.60	111.6	Lg	00:12:14.981	-0.0					T__				---		15332799	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 1.5 1)																								
KALN	0.61	253.3	Pn	00:12:08.406	0.2					T__		69.2		---	MLv	15332826	FDSN	CR	--	BUD	BUD	BHR	BHZ	_
KALN	0.61	253.3	Sn	00:12:17.359	-0.7					T__				---		15332827	FDSN	CR	--	BUD	BUD	BHT	???	_
(Station ML : 1.7 1)																								
A266A	0.70	71.8	Pn	00:12:09.417	0.4					T__		164.8		---	MLv	15332811	FDSN	Z3	00	BUD	BUD	HH	HHZ	_
(Station ML : 2.1 1)																								
TIH	0.71	34.2	Pg	00:12:08.902	-0.0					T__		137.0		_c_	MLv	15332828	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
TIH	0.71	34.2	Sn	00:12:20.469	0.1					T__				---		15332800	FDSN	HU	--	BUD	BUD	HHN	???	_
TIH	0.72	34.5	Pg	00:12:08.800	-0.1					T__		0.2		---		15332794	FDSN	IR	--	ISC	BUD	???	???	_
(Station ML : 2.0 1)																								
MOSL	0.80	208.9	Pn	00:12:11.498	0.7					T__		77.1		---	MLv	15332812	FDSN	CR	--	BUD	BUD	BHZ	BHZ	_
MOSL	0.80	208.9	Lg	00:12:20.960	0.0					T__				---		15332797	FDSN	IR	--	ISC	BUD	???	???	_
MOSL	0.80	208.9	Sn	00:12:22.841	0.2					T__				---		15332829	FDSN	CR	--	BUD	BUD	BHT	???	_
(Station ML : 1.8 1)																								
MPLH	0.87	10.7	Pn	00:12:10.884	-0.6					T__		158.7		---	MLv	15332830	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_

MPLH	0.87	10.7	Pg	00:12:12.300	0.3	T__		0.1	---		15332796	FDSN	IR	--	ISC	BUD	???	???	_
MPLH	0.87	10.7	Lg	00:12:25.101	0.7	T__			---		15332802	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 2.2 0																			
MORH	0.94	95.3	Pg	00:12:13.091	0.1	T__		19.0	---	MLv	15332805	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.94	95.3	Lg	00:12:26.782	0.4	T__			---		15332801	FDSN	HU	--	BUD	BUD	BHE	???	_
(Station ML : 1.3 0																			
A252A	0.96	156.2	Pg	00:12:13.510	0.2	T__		90.6	---	MLv	15332813	FDSN	Z3	--	BUD	BUD	BHZ	BHZ	_
A252A	0.96	156.2	Sn	00:12:26.865	0.7	T__			---		15332814	FDSN	Z3	--	BUD	BUD	BHN	???	_
(Station ML : 2.0 1																			
PTJ	1.01	247.0	Lg	00:12:29.492	1.5	T__			---		15332803	FDSN	CR	--	BUD	BUD	BHE	???	_
A267A	1.03	51.6	Pg	00:12:14.867	0.0	T__		99.2	---	MLv	15332815	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A267A	1.03	51.6	Lg	00:12:29.400	-1.2	T__			---		15332816	FDSN	Z3	00	BUD	BUD	HHN	???	_
(Station ML : 2.1 1																			
ZAG	1.04	242.6	Lg	00:12:30.609	1.9	T__			---		15332831	FDSN	CR	--	BUD	BUD	BHT	???	_
EGYH	1.11	1.1	Pg	00:12:17.800	1.4	T__		121.7	---	MLv	15332821	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
EGYH	1.11	1.1	Lg	00:12:32.111	0.3	T__			---		15332822	FDSN	HU	--	BUD	BUD	HHE	???	_
EGYH	1.11	1.1	Lg	00:12:34.100	2.2	T__		0.1	---		15332798	FDSN	IR	--	ISC	BUD	???	???	_
(Station ML : 2.2 0																			
GOLS	1.20	256.2	Pg	00:12:18.818	1.6	T__			---		15332817	FDSN	SL	--	BUD	BUD	BHZ	???	_
DOBS	1.28	263.4	Pg	00:12:19.817	1.3	T__			---		15332818	FDSN	SL	--	BUD	BUD	BHZ	???	_
A051A	1.33	192.2	Pg	00:12:21.123	1.3	T__		148.2	---	MLv	15332819	FDSN	Z3	--	BUD	BUD	BHZ	BHZ	_
A051A	1.33	192.2	Lg	00:12:39.887	2.6	T__			---		15332820	FDSN	Z3	--	BUD	BUD	BHN	???	_
(Station ML : 2.4 0																			
CRES	1.37	250.0	Lg	00:12:40.881	1.7	T__			---		15332804	FDSN	SL	--	BUD	BUD	BHE	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/03/08 08:11:12.12 1.22 1.00 48.0670 20.6926 11.8 4.7 156 0.0S 5 3 197 0.43 0.56 m sx BUD 15293001 iLoc 283
 (description : suspected quarry blast)
 (locality : Miskolc-Mexikóvölgy Hungary)

Magnitude Err Nsta Author OrigID

Sta	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	57.8	Pg	08:11:21.430	0.4					T__		86.9			MLv	15293003	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.43	57.8	Lg	08:11:27.536	-1.1					T__						15293004	FDSN	HU	--	BUD	iLoc	HHN	???	_
KECS	0.44	341.7	Lg	08:11:27.740	-0.2					T__						15293005	FDSN	SK	--	BUD	iLoc	EHN	???	_
PSZ	0.56	254.8	Pg	08:11:24.508	0.3					T__		50.8			MLv	15293006	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.56	254.8	Lg	08:11:32.218	-0.8					T__						15293007	FDSN	GE	--	BUD	iLoc	BHE	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/03/08 08:32:00.67 0.91 0.67 48.3422 19.0224 5.6 3.1 62 0.0S 10 7 95 0.11 1.04 m sx BUD 15293016 iLoc 157
 (description : suspected quarry blast)
 (locality : Teplicky Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.6 0.0 5 ILOC 15293016

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

A336A	0.11	188.2	Pg	08:32:03.643	0.5	T__	7173.1	---	MLv	15293018	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A336A	0.11	188.2	Lg	08:32:05.486	0.2	T__		---		15293019	FDSN	Z3	00	BUD	iLoc	HH3	???	_	
(Station ML : 2.5 0																			
VYHS	0.20	320.8	Pg	08:32:05.358	0.4	T__	53.2	---	MLv	15293020	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_	
VYHS	0.20	320.8	Lg	08:32:08.717	0.6	T__		---		15293021	FDSN	SK	--	BUD	iLoc	HHN	???	_	
(Station ML : 0.6 0																			
A335A	0.47	283.2	Pg	08:32:09.727	-0.6	T__	94.5	---	MLv	15293022	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
(Station ML : 1.6 1																			
PSZ	0.72	125.7	Pn	08:32:17.470	0.2	T__	52.9	---	MLv	15293023	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	0.72	125.7	Lg	08:32:25.816	-1.3	T__		---		15293024	FDSN	GE	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.6 1																			
LANS	0.86	19.9	Pn	08:32:19.150	-0.2	T__	41.4	---	MLv	15293025	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_	
(Station ML : 1.6 1																			
KECS	0.99	81.2	Lg	08:32:35.078	-0.1	T__		---		15293026	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JAVC	1.04	300.5	Lg	08:32:37.012	-0.5	T__		---		15293027	FDSN	CZ	--	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
2019/03/08	08:42:28.09	1.07	0.89	47.4724	18.7446	4.8	3.4	159	0.0A		12	111		0.19	1.26	a	kx KRSZO	15270160	ISC			360
2019/03/08	08:42:28.13	0.90	0.74	47.4480	18.7393	7.2	2.8	162	0.0S		15	8	103	0.20	1.23	m	sx BUD	15293049	iLoc			172
(description : suspected quarry blast)																						
(locality : Etyek Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.4		KRSZO	15270160
ML	1.4	0.4	4 ILOC	15293049

Sta	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	0.20	79.4	Pg	08:42:32.951	0.2					T__		19.2		---		15293051	FDSN	IR	--	ISC	iLoc	???	???	_
BUD	0.20	79.4	Pg	08:42:33.281	0.5					T__		193.6		---	MLv	15293052	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BUD	0.20	79.4	Lg	08:42:36.361	-0.3					T__				---		15293053	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.1 1																								
A269A	0.31	308.4	Lg	08:42:39.441	-1.0					T__				---		15293054	FDSN	Z3	00	BUD	iLoc	HHN	???	_
CSKK	0.34	255.6	Pg	08:42:36.126	0.8					T__		309.9		---	MLv	15293055	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.34	255.6	Lg	08:42:40.069	-1.4					T__				---		15293056	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.34	255.5	Lg	08:42:40.534	-0.9					T__				---		15293057	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.7 1																								
A270A	0.44	25.3	Lg	08:42:44.728	-0.2					T__				---		15293058	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MPLH	0.86	251.6	Lg	08:42:57.837	-0.3					T__				---		15293059	FDSN	HU	--	BUD	iLoc	BHE	???	_
PSZ	0.91	58.5	Pn	08:42:47.251	-0.0					T__		42.3		---	MLv	15293060	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.91	58.5	Lg	08:43:00.745	-0.6					T__				---		15293061	FDSN	GE	--	BUD	iLoc	BHN	???	_
PSZ	0.91	58.5	Lg	08:43:00.279	-1.1					T__				---		15293062	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.6 1																								
VYHS	1.05	3.5	Pn	08:42:49.134	-0.0					T__		11.8		---	MLv	15293063	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.05	3.5	Lg	08:43:04.961	0.2					T__				---		15293064	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.2 1																								
MORH	1.23	183.1	Sn	08:43:10.000	0.3					T__				---		15293065	FDSN	HU	--	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
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2019/03/08 09:34:00.29 1.35 0.34 47.5393 18.5399 13.7 4.3 143 0.0A 6 160 0.26 0.99 a kx KRSZO 15270170 ISC 360
 2019/03/08 09:33:59.85 1.26 0.60 47.5587 18.5440 10.1 5.3 125 0.0S 9 6 100 0.14 3.64 m sx BUD 15293084 iLoc 200
 (description : suspected quarry blast)
 (locality : Etyek Hungary)

Magnitude Err Nsta Author OrigID
 ML 1.6 0.6 3 ILOC 15293084

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A269A	0.14	306.2	Pg	09:34:03.151	0.0					T__		2141.8		---	MLv	15293086	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A269A	0.14	306.2	Lg	09:34:05.837	-0.3					T__				---		15293087	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
(Station ML : 2.0 1)																								
CSKK	0.27	224.6	Pg	09:34:05.750	-0.1					T__		341.3		---	MLv	15293088	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.27	224.6	Lg	09:34:10.869	-0.2					T__				---		15293089	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.6 1)																								
A336A	0.74	24.2	Lg	09:34:26.730	0.1					T__				---		15293090	FDSN	Z3	00	BUD	iLoc	HH2	???	_
MPLH	0.79	240.7	Lg	09:34:27.633	0.4					T__				---		15293091	FDSN	HU	--	BUD	iLoc	BHN	???	_
VYHS	0.96	11.7	Pn	09:34:20.407	0.8					T__		10.9		---	MLv	15293092	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.96	11.7	Sn	09:34:34.452	-1.0					T__				---		15293093	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.1 1)																								
GZR	3.64	125.0	Pg	09:35:10.288	-0.6					T__				---		15293094	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	3.64	125.0	Sn	09:35:29.638	-10.5					---				---		15293095	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/08	10:16:48.23	0.25	0.44	46.9301	22.3452	2.0	1.3	153	5.3F	1.8	19	128	0.29	2.06	a	ke	BUC	15270176	ISC			360
2019/03/08	10:16:47.35	0.78	0.74	46.9298	22.3289	4.8	3.3	159	0.0S		49	12	128	0.30	3.50	m	sx	BUD	15293109	iLoc		207

(description : suspected quarry blast)
 (locality : Tetchea Romania)

Magnitude Err Nsta Author OrigID
 ml 1.7 BUC 15270176
 ML 1.9 0.0 5 ILOC 15293109

Sta	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	0.30	117.6	Pg	10:16:53.760	0.2					T__		182.6		_c_	MLv	15293111	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.30	117.6	Lg	10:16:58.351	-0.3					T__				---		15293112	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.30	117.7	Pg	10:16:53.600	0.1					T__		0.2		---		15293113	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.30	117.7	Pb	10:16:53.905	0.4					T__				---		15293115	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.30	117.7	Pb	10:16:53.905	0.4					T__				---		15293114	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.30	117.7	Lg	10:16:58.000	-0.6					T__		0.2		---		15293116	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.30	117.7	Sg	10:16:58.181	-0.4					T__				---		15293117	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.4 0)																								
BORR	0.40	293.5	Lg	10:17:02.112	-1.0					T__				---		15293118	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	0.40	293.5	Lg	10:17:02.112	-1.0					T__		0.2		---		15293119	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.48	62.4	Pg	10:16:57.895	0.9					T__				---		15293120	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.48	62.4	Pg	10:16:57.895	0.9					T__		0.1		---		15293121	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.48	62.4	Lg	10:17:03.064	-1.9					T__		0.1		---		15293122	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.48	62.4	Lg	10:17:03.064	-1.9					T__				---		15293123	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.60	114.8	Pg	10:16:59.453	0.1					T__				---		15293124	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.60	114.8	Pg	10:16:59.453	0.1					T__				---		15293125	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.60	114.8	Lg	10:17:08.039	-0.9					T__				---		15293126	FDSN	IR	--	ISC	iLoc	???	???	_

SIRR	0.81	215.1	Pg	10:17:03.500	-0.2	T__	0.0	---	15293127	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.81	215.1	Lg	10:17:14.900	-1.0	T__	0.0	---	15293128	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.81	215.1	Lg	10:17:14.995	-1.0	T__		---	15293129	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.81	214.9	Pg	10:17:03.734	-0.0	T__	42.5	---	15293130	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.81	214.9	Lg	10:17:14.737	-1.3	T__		---	15293131	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.6 1																	
CJR	0.90	103.5	Pg	10:17:05.200	0.2	T__	0.2	---	15293132	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.90	103.5	Pn	10:17:06.253	-0.1	T__		---	15293133	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.90	103.5	Pn	10:17:06.253	-0.1	T__		---	15293134	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.90	103.5	Pn	10:17:06.493	0.1	T__	172.9	---	15293135	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
CJR	0.90	103.5	Lg	10:17:17.180	-1.5	T__		---	15293136	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.90	103.5	Sn	10:17:21.353	-0.2	T__		---	15293137	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 2.2 0																	
SURR	1.18	186.9	Pn	10:17:10.810	0.6	T__		---	15293138	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.18	186.9	Pn	10:17:10.810	0.6	T__		---	15293139	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.18	186.9	Sn	10:17:27.375	-0.4	T__		---	15293140	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	1.39	82.8	Sn	10:17:33.214	-0.3	T__		---	15293141	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	1.39	82.8	Sn	10:17:33.214	-0.3	T__	0.1	---	15293142	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.40	200.3	Pg	10:17:14.981	0.7	T__	38.6	---	15293143	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	1.40	200.3	Lg	10:17:34.777	1.3	T__		---	15293144	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	1.40	200.9	Pn	10:17:13.500	0.3	T__	0.0	---	15293145	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.40	200.9	Sn	10:17:32.600	-0.5	T__	0.0	---	15293146	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.40	200.9	Lg	10:17:33.575	-0.2	T__		---	15293148	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.40	200.9	Lg	10:17:33.575	-0.2	T__		---	15293147	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.9 1																	
GZR	1.57	168.4	Pg	10:17:16.700	-0.4	T__	0.0	---	15293149	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.57	168.4	Pb	10:17:17.605	0.5	T__		---	15293150	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.57	168.4	Pb	10:17:17.605	0.5	T__		---	15293151	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.57	168.4	Pg	10:17:18.238	1.2	T__	32.1	---	15293152	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.57	168.4	Lg	10:17:38.839	-0.3	T__		---	15293153	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.57	168.4	Sg	10:17:39.300	0.2	T__	0.0	---	15293154	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.57	168.4	Lg	10:17:39.663	0.5	T__		---	15293155	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.9 1																	
BURAR	2.08	69.7	Pn	10:17:23.551	0.1	T__		---	15293156	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.08	69.7	Pn	10:17:23.551	0.1	T__		---	15293157	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.08	69.7	Sn	10:17:50.840	-0.4	T__		---	15293158	FDSN	IR	--	ISC	iLoc	???	???	_
PANC	3.50	105.8	Pn	10:17:43.133	0.1	T__		---	15293159	FDSN	IR	--	ISC	iLoc	???	???	_
PANC	3.50	105.8	Sn	10:17:45.440	-41.3	---		---	15293160	FDSN	IR	--	ISC	iLoc	???	???	_
MILM	4.44	87.8	Pg	10:18:06.537	-6.2	---		---	15293161	FDSN	IR	--	ISC	iLoc	???	???	_
MILM	4.44	87.8	Sn	10:18:27.439	-23.0	---		---	15293162	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/08	10:35:25.32	0.17	0.43	45.9723	22.8721	1.5	1.3	95	9.9F	1.7	20	81	0.09	1.44	a	ke	BUC	15270276	ISC			360
2019/03/08	10:35:23.60	0.90	0.64	46.0632	22.8456	5.2	4.2	58	0.0S		41	10	79	0.18	1.51	m	sx	BUD	15293197	iLoc		125
(description : suspected quarry blast)																						
(locality : Baita Romania)																						

Magnitude	Err	Nsta	Author	OrigID
m1	1.8		BUC	15270276
ML	1.7	0.0	5 ILOC	15293197

Sta	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	168.3	Pg	10:35:26.963	-0.1					T__		893.6		---	MLv	15293199	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DEV	0.18	168.3	Lg	10:35:29.545	-0.0					T__				---		15293200	FDSN	RO	--	BUD	iLoc	BHN	???	_
DEV	0.18	167.4	Pg	10:35:27.115	-0.0					T__				---		15293201	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.18	167.4	Pg	10:35:27.115	-0.0					T__		0.5		---		15293202	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.18	167.4	Lg	10:35:30.004	0.3					T__		0.5		---		15293203	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.18	167.4	Lg	10:35:30.004	0.3					T__				---		15293204	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.8 1)																								
GZR	0.67	184.1	Pg	10:35:36.569	0.1					T__		72.3		---	MLv	15293205	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	0.67	184.1	Lg	10:35:45.488	-0.5					T__				---		15293206	FDSN	RO	--	BUD	iLoc	BHE	???	_
GZR	0.67	184.1	Lg	10:35:45.618	-0.4					T__		0.1		---		15293207	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.67	184.1	Lg	10:35:45.618	-0.4					T__				---		15293208	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.7 1)																								
DRGR	0.73	352.8	Pn	10:35:41.208	-0.0					T__				---		15293209	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.73	352.8	Pn	10:35:41.208	-0.0					T__				---		15293210	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.73	352.8	Sn	10:35:52.818	-1.1					T__				---		15293211	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.73	352.8	Pg	10:35:38.421	0.0					T__		48.0		---	MLv	15293212	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 1.6 0)																								
CJR	0.83	38.4	Pn	10:35:42.800	0.8					T__				---		15293213	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.83	38.4	Pn	10:35:42.800	0.8					T__		0.1		---		15293214	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.83	38.4	Sn	10:35:55.666	-0.7					T__		0.1		---		15293215	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.83	38.4	Sn	10:35:55.666	-0.7					T__				---		15293216	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.85	284.3	Pn	10:35:42.495	0.6					T__				---		15293217	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.85	284.3	Pn	10:35:42.495	0.6					T__		0.1		---		15293218	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.85	284.3	Sn	10:35:55.710	-0.5					T__		0.1		---		15293219	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.85	284.3	Sn	10:35:55.710	-0.5					T__				---		15293220	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.89	133.2	Pg	10:35:41.481	0.7					T__				---		15293221	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.89	133.2	Pg	10:35:41.481	0.7					T__				---		15293222	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.89	133.2	Lg	10:35:52.688	-1.1					T__				---		15293223	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.89	133.3	Pg	10:35:41.175	0.4					T__		83.7		---	MLv	15293224	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
LOT	0.89	133.3	Lg	10:35:52.804	-1.2					T__				---		15293225	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 1.9 0)																								
BZS	0.95	242.6	Pg	10:35:42.744	0.6					T__		37.8		---	MLv	15293226	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.95	242.6	Lg	10:35:55.025	-0.5					T__				---		15293227	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	0.97	243.0	Pg	10:35:42.384	-0.1					T__				---		15293228	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.97	243.0	Pg	10:35:42.384	-0.1					T__				---		15293229	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.97	243.0	Lg	10:35:55.781	-0.3					T__				---		15293230	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.6 1)																								
HERR	1.22	194.5	Pg	10:35:46.657	-0.0					T__				---		15293231	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.22	194.5	Pg	10:35:46.657	-0.0					T__				---		15293232	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.22	194.5	Lg	10:36:03.626	0.5					T__				---		15293233	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	1.43	118.4	Pg	10:35:50.629	-0.5					T__				---		15293234	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	1.43	118.4	Pg	10:35:50.629	-0.5					T__				---		15293235	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	1.43	118.4	Sn	10:36:09.509	-2.0					T__				---		15293236	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.51	212.3	Pn	10:35:51.763	0.3					T__				---		15293237	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.51	212.3	Pn	10:35:51.763	0.3					T__				---		15293238	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.51	212.3	Sn	10:36:11.678	-0.7					T__				---		15293239	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/09	00:21:39.79	1.06	2.12	47.3366	18.2471	7.0	5.2	151	10.0A		8	5	147	0.03	1.25	m	ke BUD	15293268	iLoc			192

Magnitude	Err	Nsta	Author	OrigID
ML	1.1	0.8	3 ILOC	15293268

Sta	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	19.1	Pg	00:21:41.560	-0.4					T__		3930.3		---	MLv	15293270	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.03	19.1	Lg	00:21:42.211	-1.7					T__				---		15293271	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 2.0 1																								
A268A	0.24	293.4	Pg	00:21:45.240	0.2					T__		43.8		---	MLv	15293272	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A268A	0.24	293.4	Lg	00:21:49.082	-0.2					T__				---		15293273	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 0.6 1																								
A269A	0.32	16.8	Pg	00:21:47.489	1.0					T__		88.8		---	MLv	15293274	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A269A	0.32	16.8	Lg	00:21:50.966	-1.0					T__				---		15293275	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 1.1 1																								
MORH	1.15	166.2	Sn	00:22:20.185	3.4					T__				---		15293276	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOVH	1.25	184.7	Lg	00:22:23.647	2.3					T__				---		15293277	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2019/03/09	09:31:20.34	3.18	0.79	46.2339	18.2679	36.7	4.2	154	0.0S		6	3	235	0.19	0.85	m	kx BUD	15293291	iLoc			341		
2019/03/09	09:31:20.96f		0.52	46.1765	18.2926f				0.0S		6		204	0.16	0.80	a	kx BUD_GT	15327571	BUD			326		
(GT info : GT2 explosion)																								
(description : known quarry blast)																								
(locality : Komló-II Hungary)																								

Magnitude	Err	Nsta	Author	OrigID
ML	-0.9	1.2	3 BUD	15293291
ML	1.0	1.0	3 ILOC	15327571

Sta	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	236.7	Pg	09:31:24.895	0.1					T__		192.9		---	MLv	15329231	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.16	236.7	Lg	09:31:27.783	-0.1					T__				---		15329232	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 1.0 1																								
MORH	0.25	80.7	Pg	09:31:26.254	-0.2					T__		19.9		---	MLv	15329233	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.25	80.7	Lg	09:31:30.603	-0.3					T__				---		15329234	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 0.3 1																								
A252A	0.80	202.9	Pg	09:31:37.228	0.0					T__		53.7		---	MLv	15329235	FDSN	Z3	--	BUD	BUD	HHZ	HHZ	_
A252A	0.80	202.9	Lg	09:31:48.573	1.2					T__				---		15329236	FDSN	Z3	--	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2019/03/11	10:34:52.24	4.63	1.27	47.8280	19.8713	33.4	24.2	135	0.0S		4	3	307	0.09	1.03	m	sx BUD	15293312	iLoc			337		
(description : suspected quarry blast)																								
(locality : Gyöngyöstarján Hungary)																								

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	0.09	9.7	Pg	10:34:54.356	-0.5					T__		1695.2		---	MLv	15293314	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.09	9.7	Lg	10:34:56.137	-1.1					T__				---		15293315	FDSN	GE	--	BUD	iLoc	BHN	???	_
KECS	0.77	31.9	Lg	10:35:19.445	-0.1					T__				---		15293316	FDSN	SK	--	BUD	iLoc	EHN	???	_

ABAH 1.03 62.5 Sn 10:35:28.910 -0.1 T__ --- 15293317 FDSN HU -- BUD iLoc HHN ??? _

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/03/11 10:49:13.01 0.85 1.15 48.3336 18.5822 6.5 2.9 29 0.0S 15 10 91 0.20 1.64 m sx BUD 15293322 iLoc 134
 (description : suspected quarry blast)
 (locality : Rybnik Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.9 0.1 5 ILOC 15293322

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A335A	0.20	304.7	Pg	10:49:17.715	0.3					T__		577.5		---	MLv	15293324	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A335A	0.20	304.7	Lg	10:49:21.277	0.4					T__				---		15293325	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 1.6 0)																								
A336A	0.30	109.7	Pg	10:49:19.849	0.6					T__		397.8		---	MLv	15293326	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A336A	0.30	109.7	Lg	10:49:24.177	0.1					T__				---		15293327	FDSN	Z3	00	BUD	iLoc	HH2	???	_
(Station ML : 1.7 1)																								
A338A	0.35	205.8	Lg	10:49:26.163	-0.4					T__				---		15293328	FDSN	Z3	00	BUD	iLoc	HH3	???	_
JAVC	0.80	311.3	Pg	10:49:29.554	0.1					T__		91.9		---	MLv	15293329	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_
JAVC	0.80	311.3	Lg	10:49:42.684	0.8					T__				---		15293330	FDSN	CZ	--	BUD	iLoc	BHN	???	_
(Station ML : 1.9 1)																								
MODS	0.87	273.1	Pn	10:49:31.539	-0.3					T__				---		15293331	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.87	273.1	Lg	10:49:43.753	-0.4					T__				---		15293332	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	0.97	114.8	Pn	10:49:32.760	-0.4					T__		66.4		---	MLv	15293333	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.97	114.8	Lg	10:49:46.246	-1.8					T__				---		15293334	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.9 1)																								
LANS	1.01	35.3	Pn	10:49:33.524	-0.2					T__		85.4		---	MLv	15293335	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 2.0 0)																								
MPLH	1.36	211.5	Sn	10:49:58.206	0.2					T__				---		15293336	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORC	1.60	335.1	Lg	10:50:03.172	-1.7					T__				---		15293337	FDSN	CZ	--	BUD	iLoc	BHE	???	_
VRAC	1.64	307.3	Sn	10:50:02.995	-2.8					T__				---		15293338	FDSN	CZ	--	BUD	iLoc	BHE	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/03/11 11:01:02.83 0.55 0.24 48.0923 16.9297 5.0 2.9 129 0.0F 0.0 10 5 0.58 0.73 a sx VIE 15270350 ISC 360
 2019/03/11 11:00:59.88 0.99 1.80 48.1393 16.8510 9.7 6.1 160 0.0S 21 12 103 0.37 1.82 m sx BUD 15293360 iLoc 117
 (description : suspected quarry blast)
 (locality : Hainburg Austria)

Magnitude Err Nsta Author OrigID
 mb 1.5 VIE 15270350
 ml 1.5 VIE 15270350
 ML 1.9 0.1 4 ILOC 15293360

Sta	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	0.37	50.4	Pg	11:01:07.848	0.0					T__				---		15293362	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.37	50.4	Lg	11:01:13.322	-0.8					T__				---		15293363	FDSN	SK	--	BUD	iLoc	HHN	???	_
RONA	0.58	220.5	Pn	11:01:13.685	-1.7					T__		1.2	0.12	---		15293364	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.58	220.5	Sn	11:01:22.302	-3.2					T__		12.1	0.44	---		15293365	FDSN	IR	--	ISC	iLoc	???	???	_

CONA	0.70	252.7	Pn	11:01:18.382	1.4	T__	85.2	---	MLv	15293366	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
CONA	0.70	252.7	Sn	11:01:27.353	-1.1	T__				15293367	FDSN	OE	--	BUD	iLoc	BHN	???	_
CONA	0.70	252.7	Pn	11:01:16.685	-0.3	T__	0.7	0.18	---	15293368	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.8 1																		
EGYH	0.79	155.7	Sn	11:01:30.253	-0.4	T__				15293369	FDSN	HU	--	BUD	iLoc	HHE	???	_
JAVC	0.90	36.8	Pn	11:01:21.495	2.0	T__	75.7		---	15293370	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_
JAVC	0.90	36.8	Pn	11:01:21.200	1.7	T__				15293371	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.9 1																		
KRUC	0.97	342.0	Pn	11:01:20.900	0.7	T__				15293372	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.97	342.0	Lg	11:01:33.010	0.1	T__				15293373	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A012A	1.01	238.3	Sn	11:01:38.717	2.5	T__				15293374	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A007A	1.05	303.7	Lg	11:01:34.626	-0.5	T__				15293375	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
MPLH	1.08	154.1	Sn	11:01:38.846	1.4	T__				15293376	FDSN	HU	--	BUD	iLoc	HHE	???	_
VRAC	1.18	351.8	Pn	11:01:24.000	0.9	T__				15293377	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.18	351.8	Pn	11:01:24.193	1.1	T__	64.6		---	15293378	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_
VRAC	1.18	351.8	Sn	11:01:41.347	0.7	T__				15293379	FDSN	CZ	--	BUD	iLoc	BHN	???	_
(Station ML : 2.0 1																		
ARSA	1.26	225.7	Pn	11:01:27.007	2.6	T__	61.3		---	15293380	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
ARSA	1.26	225.7	Sn	11:01:45.960	4.0	T__				15293381	FDSN	OE	--	BUD	iLoc	BHN	???	_
(Station ML : 2.0 1																		
CKRC	1.82	292.9	Lg	11:01:59.836	-0.4	T__				15293382	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
2019/03/11	11:16:14.48	0.41	0.58	47.0420	17.7717				0.0F	0.0	9	142	0.16	1.02	a	kx	KRSZO	15270369	ISC			360
2019/03/11	11:16:13.30	0.89	0.61	47.0433	17.8172	4.9	3.6	58	0.0S		12	6	101	0.15	1.01	m	sx	BUD	15293403	iLoc		201

(description : suspected quarry blast)
(locality : Tótvázsony Hungary)

Magnitude	Err	Nsta	Author	OrigID
M	1.9		KRSZO	15270369
MLv	1.9		KRSZO	15270369
ML	1.7	0.3	4 ILOC	15293403

Sta	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	0.15	161.3	Pg	11:16:17.014	0.1					T__		1368.7		---	MLv	15293405	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TIH	0.15	161.3	Lg	11:16:20.022	0.0					T__						15293406	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.9 1																								
MPLH	0.23	303.9	Pg	11:16:18.900	0.4					T__		0.3				15293407	FDSN	IR	--	ISC	iLoc	???	???	_
MPLH	0.23	303.9	Lg	11:16:21.247	-1.3					T__						15293408	FDSN	HU	--	BUD	iLoc	BHE	???	_
CSKK	0.44	43.2	Pg	11:16:23.083	0.5					T__		95.7		---	MLv	15293409	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.44	43.2	Lg	11:16:29.655	-0.7					T__						15293410	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.5 1																								
A261A	0.47	259.0	Lg	11:16:30.467	0.4					T__						15293411	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KOVH	0.98	168.4	Pn	11:16:32.863	-0.2					T__		73.9		---	MLv	15293412	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.98	168.4	Lg	11:16:46.620	-0.6					T__						15293413	FDSN	HU	--	BUD	iLoc	BHN	???	_
KOVH	0.98	168.4	Lg	11:16:47.200	-0.0					T__		0.1				15293414	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.9 1																								
MORH	1.01	145.1	Pn	11:16:33.323	-0.0					T__		17.3		---	MLv	15293415	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.01	145.1	Lg	11:16:47.679	-0.4					T__						15293416	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/11	11:40:15.75	1.44	1.42	47.3631	18.4398	5.5	4.3	156	0.0A		9	149		0.12	1.30	a	kx KRSZO	15270379	ISC			360
2019/03/11	11:40:16.42	1.70	0.99	47.3577	18.3953	11.4	6.3	116	0.0S		11	7	110	0.09	1.29	m	sx BUD	15293436	iLoc			146

(description : suspected quarry blast)
(locality : Gánt Hungary)

Magnitude Err Nsta Author OrigID

Sta	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	273.5	Pg	11:40:19.152	0.2					T__		2775.6		---	MLv	15293438	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.09	273.5	Lg	11:40:20.900	-0.5					T__				---		15293439	FDSN	HU	--	BUD	iLoc	HHN	???	_
CSKK	0.09	273.4	Pg	11:40:19.017	0.1					T__		2798.8		---		15293440	FDSN	IR	--	ISC	iLoc	???	???	_
A269A	0.28	358.2	Lg	11:40:27.578	-0.2					T__				---		15293441	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MPLH	0.61	252.5	Pg	11:40:29.501	0.5					T__		7.3		---		15293442	FDSN	IR	--	ISC	iLoc	???	???	_
MPLH	0.61	252.5	Lg	11:40:38.152	-0.2					T__				---		15293443	FDSN	IR	--	ISC	iLoc	???	???	_
MPLH	0.61	252.5	Sn	11:40:40.536	-2.4					T__				---		15293444	FDSN	HU	--	BUD	iLoc	BHN	???	_
A336A	0.97	24.7	Sn	11:40:51.138	-0.8					T__				---		15293445	FDSN	Z3	00	BUD	iLoc	HH3	???	_
MORH	1.16	171.4	Sn	11:40:56.066	0.0					T__				---		15293446	FDSN	HU	--	BUD	iLoc	BHE	???	_
PSZ	1.16	60.5	Sn	11:40:56.625	-0.4					T__				---		15293447	FDSN	GE	--	BUD	iLoc	BHE	???	_
KOVH	1.29	189.2	Lg	11:40:59.984	-0.8					T__				---		15293448	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/11	17:45:26.89	1.84	1.57	46.5432	17.3808	14.0	5.2	157	10.0A		7	5	157	0.23	0.64	m	ke BUD	15326256	iLoc			238

Magnitude Err Nsta Author OrigID
ML 1.5 0.3 4 ILOC 15326256

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
BELGA	0.23	174.0	Pg	17:45:32.741	0.8					T__		182.9		---	MLv	15326258	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BELGA	0.23	174.0	Lg	17:45:35.285	-0.2					T__				---		15326259	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.2 1																								
DARVA	0.24	212.5	Pg	17:45:32.731	0.5					T__		246.1		---	MLv	15326260	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
DARVA	0.24	212.5	Lg	17:45:34.072	-1.8					T__				---		15326261	FDSN	HU	--	BUD	iLoc	HHZ	???	_
(Station ML : 1.4 1																								
A265A	0.31	112.4	Pg	17:45:33.668	0.1					T__		283.6		---	MLv	15326262	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.6 1																								
A266A	0.61	91.3	Pn	17:45:39.989	-0.2					T__		181.1		---	MLv	15326263	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.1 1																								
MPLH	0.64	9.8	Sn	17:45:53.386	2.4					T__				---		15326264	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/12	09:19:07.81	3.38	3.00	47.7682	20.6910	24.0	7.9	147	0.0S		5	3	251	0.56	0.73	m	sx BUD	15293481	iLoc			314

(description : suspected quarry blast)
(locality : Miskolctapolca Hungary)

Magnitude Err Nsta Author OrigID

Sta	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	285.9	Pg	09:19:20.381	0.5					T__		98.4		---	MLv	15293483	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.56	285.9	Lg	09:19:26.997	-1.8					T__				---		15293484	FDSN	GE	--	BUD	iLoc	BHN	???	_
ABAH	0.64	34.7	Lg	09:19:28.524	-3.2					T__				---		15293485	FDSN	HU	--	BUD	iLoc	HHE	???	_
KECS	0.73	349.2	Pg	09:19:24.300	1.8					T__		69.7		---	MLv	15293486	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.73	349.2	Lg	09:19:32.595	-0.9					T__				---		15293487	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
2019/03/12	09:36:48.98	1.90	0.63	48.5879	20.8084	17.0	3.8	7	0.0S		12	6	91	0.24	1.26	m	sx BUD	15293496	iLoc			175
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.1	3 ILOC	15293496

Sta	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	244.1	Pg	09:36:54.100	0.1					T__		0.6		---		15293498	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	0.24	244.1	Pg	09:36:54.442	0.5					T__		592.5		---	MLv	15293499	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.24	244.1	Lg	09:36:56.656	-1.1					T__				---		15293500	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.24	244.1	Lg	09:36:57.900	0.1					T__		0.6		---		15293501	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.7 1)																								
ABAH	0.41	135.3	Pg	09:36:57.100	-0.3					T__		0.1		---		15293502	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.41	135.3	Lg	09:37:04.600	0.1					T__		0.1		---		15293503	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.41	135.3	Lg	09:37:05.358	0.8					T__				---		15293504	FDSN	HU	--	BUD	iLoc	HHE	???	_
NIE	0.89	338.8	Pn	09:37:08.208	0.3					T__		46.3		---	MLv	15293505	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 1.7 1)																								
PSZ	0.91	222.7	Pn	09:37:08.768	0.7					T__		72.9		---	MLv	15293506	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.91	222.7	Lg	09:37:21.669	0.0					T__				---		15293507	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.9 1)																								
KOLS	1.03	69.8	Sn	09:37:27.038	0.3					T__				---		15293508	FDSN	SK	--	BUD	iLoc	HHE	???	_
A336A	1.26	254.3	Lg	09:37:32.494	-0.7					T__				---		15293509	FDSN	Z3	00	BUD	iLoc	HH3	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/12	10:13:23.36	4.08	1.57	46.2839	18.2160	35.9	4.9	151	0.0S		5	3	260	0.21	0.89	m	kx BUD	15293527	iLoc			354
2019/03/12	10:13:24.46f		0.40	46.1765	18.2926f				0.0S		5		204	0.16	0.80	a	kx BUD_GT	15327589	BUD			326
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Komló-II Hungary)																						

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	236.7	Pg	10:13:28.173	-0.2					T__		215.9		---	MLv	15329237	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.16	236.7	Lg	10:13:31.226	-0.2					T__				---		15329238	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.25	80.7	Pg	10:13:30.055	0.1					T__		20.7		---	MLv	15329239	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.25	80.7	Lg	10:13:34.788	0.4					T__				---		15329240	FDSN	HU	--	BUD	BUD	BHN	???	_
A252A	0.80	202.9	Sn	10:13:54.407	-0.8					T__				---		15329241	FDSN	Z3	--	BUD	BUD	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/12	10:44:51.95	1.22	0.80	48.2504	21.2251	10.8	5.2	168	0.0S	13	9	156	0.05	1.49	m	kx	BUD	15293542	iLoc			176
2019/03/12	10:44:51.84f	0.87	0.87	48.2470	21.2460f				0.0S	13	157	0.05	1.50	a	kx	BUD_GT	15327593	BUD				176

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

Magnitude	Err	Nsta	Author	OrigID
ML	2.2	0.1	3 BUD	15293542
ML	2.2	0.1	3 ILOC	15327593

Sta	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	10:44:53.195	-0.2					T__		15059.9		---	MLv	15329242	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
(Station ML : 2.6 1																								
KECS	0.56	295.3	Pg	10:45:03.059	-0.1					T__		179.7		---	MLv	15329243	FDSN	SK	--	BUD	BUD	EHE	EHZ	_
KECS	0.56	295.3	Lg	10:45:11.786	0.1					T__				---		15329244	FDSN	SK	--	BUD	BUD	EHN	???	_
(Station ML : 2.1 1																								
HOLU	0.81	69.3	Pn	10:45:08.838	-0.5					T__				---		15329245	FDSN	UA	--	BUD	BUD	MHZ	???	_
HOLU	0.81	69.3	Lg	10:45:21.877	0.8					T__				---		15329246	FDSN	UA	--	BUD	BUD	MHZ	???	_
PSZ	0.96	250.6	Pn	10:45:11.561	-0.1					T__		132.3		---	MLv	15329247	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.96	250.6	Lg	10:45:24.958	-1.6					T__				---		15329248	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 2.2 1																								
KOLS	0.97	44.4	Lg	10:45:26.951	0.8					T__				---		15329249	FDSN	SK	--	BUD	BUD	HHE	???	_
BRIU	1.19	85.0	Pn	10:45:16.178	1.4					T__				---		15329250	FDSN	UA	--	BUD	BUD	MHZ	???	_
STZU	1.19	49.4	Pn	10:45:16.126	1.1					T__				---		15329251	FDSN	UA	--	BUD	BUD	MHZ	???	_
STZU	1.19	49.4	Sn	10:45:35.150	1.4					T__				---		15329252	FDSN	UA	--	BUD	BUD	MHZ	???	_
KORU	1.27	93.4	Pg	10:45:16.818	0.5					T__				---		15329253	FDSN	UA	--	BUD	BUD	MHZ	???	_
A336A	1.50	270.3	Lg	10:45:43.882	0.0					T__				---		15329254	FDSN	Z3	00	BUD	BUD	HH3	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/12	13:00:04.30	1.07	1.73	48.4323	19.6353	5.9	5.0	144	0.0S	7	5	106	0.47	1.08	m	sx	BUD	15293570	iLoc			199

(description : suspected quarry blast)
 (locality : Bulhary Slovakia)

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
A336A	0.47	245.1	Lg	13:00:20.447	-0.9					T__				---		15293572	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
PSZ	0.54	161.3	Pg	13:00:16.872	0.8					T__		262.3		---	MLv	15293573	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.54	161.3	Lg	13:00:23.590	-1.0					T__				---		15293574	FDSN	GE	--	BUD	iLoc	BHN	???	_
KECS	0.57	84.5	Pg	13:00:16.977	1.2					T__		278.4		---	MLv	15293575	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.57	84.5	Lg	13:00:23.395	-1.0					T__				---		15293576	FDSN	SK	--	BUD	iLoc	EHN	???	_
LANS	0.73	351.3	Lg	13:00:27.661	-0.9					T__				---		15293577	FDSN	SK	--	BUD	iLoc	EHZ	???	_
ABAH	1.08	96.7	Lg	13:00:39.366	-2.5					T__				---		15293578	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
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2019/03/12 15:02:33.95 0.93 0.94 48.3382 20.9167 10.8 5.0 154 7.0F 10.2 17 10 137 0.22 1.32 m ke BUD 15293587 iLoc 165

Magnitude Err Nsta Author OrigID
ML 2.0 0.1 5 ILOC 15293587

Sta	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	100.9	Pg	15:02:38.571	-0.1					T__		567.6		---	MLv	15293589	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.22	100.9	Lg	15:02:41.753	-0.8					T__				---		15293590	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.7 0																								
KECS	0.32	297.0	Pg	15:02:40.901	0.3					T__		928.4		---	MLv	15293591	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.32	297.0	Lg	15:02:45.469	-0.1					T__				---		15293592	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 2.2 0																								
PSZ	0.80	238.9	Pg	15:02:50.711	-0.1					T__		104.9		---	MLv	15293593	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.80	238.9	Lg	15:03:02.578	0.1					T__				---		15293594	FDSN	GE	--	BUD	iLoc	BHZ	???	_
(Station ML : 2.0 1																								
HOLU	1.00	78.5	Pg	15:02:53.098	0.3					T__				---		15293595	FDSN	UA	--	BUD	iLoc	MHZ	???	_
HOLU	1.00	78.5	Lg	15:03:06.288	-1.5					T__				---		15293596	FDSN	UA	--	BUD	iLoc	MHZ	???	_
KOLS	1.08	56.0	Pg	15:02:54.635	0.3					T__				---		15293597	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	1.08	56.0	Lg	15:03:09.457	-0.8					T__				---		15293598	FDSN	SK	--	BUD	iLoc	HHN	???	_
STHS	1.10	11.2	Pn	15:02:55.391	0.6					T__		108.4		---	MLv	15293599	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
STHS	1.10	11.2	Lg	15:03:08.801	-1.2					T__				---		15293600	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 2.1 1																								
NIE	1.15	340.0	Lg	15:03:11.462	-0.1					T__				---		15293601	FDSN	PL	--	BUD	iLoc	BHN	???	_
LANS	1.26	310.8	Pn	15:02:57.845	0.8					T__		63.7		---	MLv	15293602	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 2.0 1																								
A336A	1.29	266.0	Sn	15:03:16.874	1.7					T__				---		15293603	FDSN	Z3	00	BUD	iLoc	HH3	???	_
STZU	1.32	58.4	Pg	15:02:59.802	1.0					T__				---		15293604	FDSN	UA	--	BUD	iLoc	MHZ	???	_
STZU	1.32	58.4	Lg	15:03:16.354	-1.2					T__				---		15293605	FDSN	UA	--	BUD	iLoc	MHZ	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/12	15:55:50.70	0.21	0.37	46.1060	21.7180	2.2	1.1	95	8.2F	1.5	20	160	0.16	1.58	a	ke BUC	15270401	ISC				360
2019/03/12	15:55:50.66	0.84	0.54	46.1218	21.7365	5.7	2.7	69	2.2F	9.8	32	12 100	0.15	1.57	m	ke BUD	15293627	iLoc				152

Magnitude Err Nsta Author OrigID
ml 1.9 BUC 15270401
ML 2.1 0.2 5 ILOC 15293627

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
SIRR	0.15	340.4	Pg	15:55:54.124	0.0					T__		688.1		---	MLv	15293629	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.15	340.4	Lg	15:55:56.631	-0.2					T__				---		15293630	FDSN	RO	--	BUD	iLoc	BHE	???	_
SIRR	0.16	339.9	Lg	15:55:56.765	-0.1					T__		0.5		---		15293631	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.16	339.9	Lg	15:55:56.765	-0.1					T__				---		15293632	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.6 0																								
SURR	0.46	143.5	Pg	15:55:59.660	0.1					T__				---		15293633	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.46	143.5	Pg	15:55:59.660	0.1					T__				---		15293634	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.46	143.5	Lg	15:56:05.539	-0.4					T__				---		15293635	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.51	187.7	Pg	15:56:00.527	-0.1					T__		81.1		---	MLv	15293636	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.51	187.7	Lg	15:56:07.559	-0.3					T__				---		15293637	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 1.6 1																								
AMBH	0.74	288.4	Lg	15:56:17.026	0.4					T__				---		15293638	FDSN	HU	00	BUD	iLoc	HHE	???	_
DRGR	0.95	44.8	Lg	15:56:22.882	-0.3					T__				---		15293639	FDSN	IR	--	ISC	iLoc	???	???	_

DRGR	0.95	44.8	Pg	15:56:09.694	0.2	T__	155.1	---	MLv	15293640	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.95	44.8	Lg	15:56:21.317	-1.8	T__		---		15293641	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 2.2 1																		
GZR	1.03	134.6	Pg	15:56:10.288	0.0	T__	101.1	---	MLv	15293642	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.03	134.6	Lg	15:56:25.099	0.4	T__		---		15293643	FDSN	RO	--	BUD	iLoc	BHN	???	_
GZR	1.03	134.6	Lg	15:56:25.289	0.6	T__		---		15293644	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.1 1																		
MARR	1.11	59.4	Pn	15:56:11.674	-0.7	T__		---		15293645	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.11	59.4	Pn	15:56:11.674	-0.7	T__		---		15293646	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	1.33	38.7	Lg	15:56:34.759	0.3	T__		---		15293647	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	1.33	38.7	Lg	15:56:34.759	0.3	T__		---		15293648	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.33	158.7	Pn	15:56:15.420	0.1	T__		---		15293649	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.33	158.7	Pn	15:56:15.420	0.1	T__		---		15293650	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.33	158.7	Sn	15:56:33.183	-0.7	T__		---		15293651	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.34	180.7	Pn	15:56:15.954	0.4	T__		---		15293652	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.34	180.7	Pn	15:56:15.954	0.4	T__		---		15293653	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.34	180.7	Sn	15:56:33.581	-0.9	T__		---		15293654	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	1.42	64.7	Pn	15:56:17.226	0.5	T__	197.6	---	MLv	15293655	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
CJR	1.42	64.7	Sn	15:56:37.001	0.4	T__		---		15293656	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 2.6 0																		
LOT	1.57	114.6	Pn	15:56:19.339	0.1	T__		---		15293657	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.57	114.6	Pn	15:56:19.339	0.1	T__		---		15293658	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.57	114.6	Sn	15:56:41.269	0.5	T__		---		15293659	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.58	114.7	Sn	15:56:40.682	-0.2	T__		---		15293660	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
2019/03/13	08:58:21.98	2.50	1.09	47.9259	19.9542	30.1	15.3	124	13.5F	20.8	7	3	193	0.04	0.94	m	ke BUD	15326282	iLoc			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
PSZ	0.04	259.4	Lg	08:58:27.400	-0.1					T__		1.3				15326284	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.04	259.4	Pg	08:58:25.409	0.3					T__	1341.1				MLv	15326285	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.04	259.4	Lg	08:58:26.939	-0.6					T__						15326286	FDSN	GE	--	BUD	iLoc	BHE	???	_
KECS	0.66	32.3	Lg	08:58:44.745	-0.1					T__						15326287	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.94	66.3	Pn	08:58:38.100	-1.3					T__		0.1				15326288	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.94	66.3	Pg	08:58:40.822	0.2					T__	101.4				MLv	15326289	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.94	66.3	Sn	08:58:54.428	1.1					T__						15326290	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/03/13	09:30:48.28	3.03	0.94	46.2186	18.2546	37.0	4.1	153	0.0S		6	3	230	0.17	0.83	m	kx BUD	15293702	iLoc				340
2019/03/13	09:30:48.70f		0.42	46.1765	18.2926f				0.0S		6		204	0.16	0.80	a	kx BUD_GT	15327599	BUD				326

(GT info : GT2 explosion)
 (description : known quarry blast)
 (locality : Komló-II Hungary)

Magnitude Err Nsta Author OrigID
 ML 1.4 0.2 3 BUD 15293702

ML	1.4	0.1	3	ILOC	15327599																			
Sta	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	236.7	Pg	09:30:52.437	-0.1					T__		335.6		---	MLv	15329255	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.16	236.7	Lg	09:30:55.389	-0.2					T__				---		15329256	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 1.3 1																								
MORH	0.25	80.7	Pg	09:30:54.455	0.2					T__		235.3		---	MLv	15329257	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.25	80.7	Lg	09:30:58.581	-0.1					T__				---		15329258	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 1.4 1																								
A252A	0.80	202.9	Pg	09:31:04.652	-0.3					T__		80.9		---	MLv	15329259	FDSN	Z3	--	BUD	BUD	HHZ	HHZ	_
A252A	0.80	202.9	Lg	09:31:15.993	0.9					T__				---		15329260	FDSN	Z3	--	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/13	09:41:18.17	2.43	1.10	47.8510	20.1214	21.6	7.1	165	0.0S	9	5	226	0.17	1.61	m	kx	BUD	15293723	iLoc			264
2019/03/13	09:41:18.94f		0.86	47.8987	20.0893f				0.0S	9		216	0.13	1.58	a	kx	BUD_GT	15327603	BUD			254

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

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.0	3 BUD	15293723
ML	1.9	0.1	3 ILOC	15327603

Sta	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	09:41:22.506	0.1					T__		1492.1		---	MLv	15329261	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.13	278.6	Lg	09:41:24.942	-0.4					T__				---		15329262	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.8 1																								
KECS	0.64	24.2	Lg	09:41:42.377	0.7					T__				---		15329263	FDSN	SK	--	BUD	BUD	EHE	???	_
A336A	0.80	295.0	Pn	09:41:37.674	1.3					T__		96.4		---	MLv	15329264	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A336A	0.80	295.0	Sn	09:41:50.425	0.1					T__				---		15329265	FDSN	Z3	00	BUD	BUD	HH2	???	_
(Station ML : 1.9 1																								
ABAH	0.87	62.3	Pn	09:41:36.784	-0.3					T__		98.0		---	MLv	15329266	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
ABAH	0.87	62.3	Lg	09:41:48.540	-1.6					T__				---		15329267	FDSN	HU	--	BUD	BUD	HHN	???	_
ABAH	0.87	62.3	Lg	09:41:49.800	-0.4					T__		0.1		---		15329268	FDSN	IR	--	ISC	BUD	???	???	_
(Station ML : 2.0 1																								
A337A	1.58	283.5	Sn	09:42:10.487	1.1					T__				---		15329269	FDSN	Z3	00	BUD	BUD	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/13	09:43:18.62	0.30	0.41	46.8665	22.8537	2.4	1.7	164	3.8F	1.9	15	135	0.12	1.77	a	ke	BUC	15270454	ISC			360
2019/03/13	09:43:17.07	1.23	0.67	46.9131	22.8558	6.7	5.1	22	0.0S	32	8	141	0.16	1.75	m	sx	BUD	15293748	iLoc			218

(description : suspected quarry blast)
(locality : Poieni Romania)

Magnitude	Err	Nsta	Author	OrigID
ml	1.0		BUC	15270454

Sta	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	219.3	Pg	09:43:20.724	0.2					T__		148.1		---	MLv	15293750	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_

DRGR	0.16	219.3	Lg	09:43:23.578	0.0	T__	---	15293751	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.16	219.3	Pg	09:43:20.957	0.4	T__	---	15293752	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.16	219.3	Pg	09:43:20.957	0.4	T__	---	15293753	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.16	219.3	Lg	09:43:23.470	-0.1	T__	---	15293754	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.16	219.3	Lg	09:43:23.470	-0.1	T__	---	15293755	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.30	142.6	Pg	09:43:23.465	0.1	T__	---	15293756	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.30	142.6	Pg	09:43:23.465	0.1	T__	---	15293757	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.30	142.6	Lg	09:43:27.631	-0.8	T__	---	15293758	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	0.75	284.0	Pg	09:43:32.819	0.2	T__	---	15293759	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	0.75	284.0	Pg	09:43:32.819	0.2	T__	---	15293760	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.05	232.2	Lg	09:43:50.372	-2.7	T__	---	15293761	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	1.05	232.4	Pg	09:43:38.400	0.3	T__	---	15293762	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.05	232.4	Pg	09:43:38.400	0.3	T__	---	15293763	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.05	232.4	Lg	09:43:51.979	-1.0	T__	---	15293764	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.52	182.1	Pg	09:43:46.091	0.2	T__	---	15293765	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.52	182.1	Pg	09:43:46.091	0.2	T__	---	15293766	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.52	182.1	Pg	09:43:46.550	0.7	T__	---	15293767	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.52	182.1	Sn	09:44:06.914	0.5	T__	---	15293768	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.52	182.1	Lg	09:44:07.544	0.1	T__	---	15293769	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	1.56	214.0	Pg	09:43:47.136	-0.3	T__	---	15293770	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.56	214.0	Pg	09:43:47.136	-0.3	T__	---	15293771	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.56	214.0	Sn	09:44:06.973	0.3	T__	---	15293772	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.60	156.2	Pg	09:43:47.572	0.1	T__	---	15293773	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.60	156.2	Pg	09:43:47.572	0.1	T__	---	15293774	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.60	156.2	Sn	09:44:08.818	0.1	T__	---	15293775	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.60	156.3	Sn	09:44:09.648	0.7	T__	---	15293776	FDSN	RO	--	BUD	iLoc	BHN	???	_
BURAR	1.75	65.6	Pg	09:43:51.040	-0.1	T__	---	15293777	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	1.75	65.6	Pg	09:43:51.040	-0.1	T__	---	15293778	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	1.75	65.6	Sn	09:44:13.809	0.7	T__	---	15293779	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	1.76	64.5	Pg	09:43:51.370	0.2	T__	---	15293780	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BURAR	1.76	64.5	Sn	09:44:14.291	1.1	T__	---	15293781	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
 2019/03/13 11:56:04.57 1.18 0.80 47.3201 18.3456 7.8 6.3 99 0.0S 8 6 109 0.07 1.21 m sx BUD 15293792 iLoc 195

(description : suspected quarry blast)

(locality : Gánt Hungary)

Magnitude Err Nsta Author OrigID
 ML 1.8 0.3 3 ILOC 15293792

Sta	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	306.8	Pg	11:56:07.277	0.6					T__		3036.8		---	MLv	15293794	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.07	306.8	Lg	11:56:08.585	-0.3					T__				---		15293795	FDSN	HU	--	BUD	iLoc	HHZ	???	_
(Station ML : 2.0 1																								
A269A	0.32	4.5	Lg	11:56:16.633	-0.7					T__				---		15293796	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MPLH	0.57	255.0	Pg	11:56:15.941	-0.3					T__		89.0		---	MLv	15293797	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 1.8 1																								
A336A	1.01	25.5	Lg	11:56:40.417	-0.4					T__				---		15293798	FDSN	Z3	00	BUD	iLoc	HH3	???	_
MORH	1.12	169.4	Pg	11:56:27.391	0.4					T__		16.9		---	MLv	15293799	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.12	169.4	Sn	11:56:43.931	0.5					T__				---		15293800	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.4 1																								

PSZ 1.21 59.7 Sn 11:56:45.050 -1.3 T__ --- 15293801 FDSN GE -- 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
 2019/03/13 12:04:35.18 2.33 0.70 47.2783 18.2635 23.1 5.9 121 0.0S 4 3 167 0.09 1.09 m sx BUD 15293815 iLoc -- BUD 268
 (description : suspected quarry blast)
 (locality : Iszkaszentgyörgy Hungary)

Magnitude Err Nsta Author OrigID
 ML 1.3 0.4 3 ILOC 15293815

Sta 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 0.09 358.7 Pg 12:04:37.751 0.2 T__ 162.6 --- MLv 15293817 FDSN HU -- BUD iLoc HHZ HHZ _
 CSKK 0.09 358.7 Lg 12:04:39.580 -0.4 T__ --- 15293818 FDSN HU -- BUD iLoc HHN ??? _
 (Station ML : 0.7 1
 MPLH 0.51 257.9 Pg 12:04:45.737 0.1 T__ 72.7 --- MLv 15293819 FDSN HU -- BUD iLoc BHZ BHZ _
 (Station ML : 1.6 1
 MORH 1.09 166.0 Pn 12:04:55.865 -0.6 T__ 15.4 --- MLv 15293820 FDSN HU -- BUD iLoc BHZ BHZ _

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/03/14 09:43:32.95 1.03 0.92 46.9518 17.2668 9.8 4.3 156 0.0S 6 5 130 0.08 1.04 m sx BUD 15293834 iLoc -- BUD 186
 (description : suspected quarry blast)
 (locality : Sümeg Hungary)

Magnitude Err Nsta Author OrigID

Sta 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 0.08 270.2 Pg 09:43:35.123 -0.1 T__ 6576.7 --- MLv 15293836 FDSN Z3 00 BUD iLoc HHZ HHZ _
 MPLH 0.29 40.4 Pg 09:43:39.343 0.1 T__ 937.7 --- MLv 15293837 FDSN HU -- BUD iLoc BHZ BHZ _
 MPLH 0.29 40.4 Lg 09:43:43.821 -0.3 T__ --- 15293838 FDSN HU -- BUD iLoc BHE ??? _
 TIH 0.43 96.7 Lg 09:43:49.114 0.3 T__ --- 15293839 FDSN HU -- BUD iLoc HHE ??? _
 KOGS 0.86 234.6 Lg 09:44:02.295 1.1 T__ --- 15293840 FDSN SL -- BUD iLoc BHN ??? _
 KOVH 1.04 146.0 Lg 09:44:07.333 -1.1 T__ --- 15293841 FDSN HU -- BUD iLoc BHE ??? _

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/03/14 09:48:24.81 0.92 0.43 45.5938 17.4387 7.6 3.8 11 3.6F 14.7 11 6 94 0.33 1.05 m ke BUD 15293850 iLoc -- BUD 153

Magnitude Err Nsta Author OrigID
 ML 1.7 0.1 6 ILOC 15293850

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
 A252A 0.33 118.6 Pg 09:48:31.516 -0.1 T__ 179.5 --- MLv 15293852 FDSN Z3 -- BUD iLoc HHZ HHZ _
 A252A 0.33 118.6 Lg 09:48:36.337 0.3 T__ --- 15293853 FDSN Z3 -- BUD iLoc HHE ??? _
 (Station ML : 1.5 0
 MOSL 0.48 272.6 Pg 09:48:34.404 -0.2 T__ 90.8 --- MLv 15293854 FDSN CR -- BUD iLoc BHZ BHZ _
 MOSL 0.48 272.6 Lg 09:48:41.209 0.2 T__ --- 15293855 FDSN CR -- BUD iLoc BHN ??? _
 (Station ML : 1.6 1

KOVH	0.68	42.8	Pg	09:48:38.295	-0.2	T__	55.6	___	MLv	15293856	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.68	42.8	Sn	09:48:50.737	-0.5	T__		---		15293857	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.6 1)																		
BLY	0.83	192.8	Pn	09:48:42.811	0.3	T__	60.7	___	MLv	15293858	FDSN	MN	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 1.7 1)																		
KALN	0.87	308.4	Pn	09:48:42.602	-0.4	T__	138.7	___	MLv	15293859	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
KALN	0.87	308.4	Lg	09:48:53.976	0.7	T__		---		15293860	FDSN	CR	--	BUD	iLoc	BHN	???	_
(Station ML : 2.1 0)																		
MORH	1.05	53.1	Pg	09:48:45.304	-0.0	T__	41.3	___	MLv	15293861	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.05	53.1	Sn	09:48:59.961	-0.2	T__		---		15293862	FDSN	HU	--	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
2019/03/14	20:02:44.21	2.69	0.27	46.3447	17.2556	12.0	5.7	166	12.3F	14.9	8	4	195	0.04	1.00	m	ke BUD	15293888	iLoc			290

Magnitude	Err	Nsta	Author	OrigID
ML	1.1	0.2	4 ILOC	15293888

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
DARVA	0.04	267.8	Pg	20:02:46.750	-0.0					T__		562.3	___	MLv	15293890	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
DARVA	0.04	267.8	Lg	20:02:48.719	0.1					T__			---			15293891	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.2 1)																								
BELGA	0.11	103.6	Pg	20:02:47.624	0.1					T__		214.3	___	MLv	15293892	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
BELGA	0.11	103.6	Lg	20:02:49.817	-0.2					T__			---			15293893	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 0.9 1)																								
A264A	0.19	172.8	Pg	20:02:48.689	-0.0					T__		165.8	___	MLv	15293894	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A264A	0.19	172.8	Lg	20:02:52.092	0.2					T__			---			15293895	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 1.0 1)																								
A252A	1.00	155.3	Pg	20:03:03.602	0.1					T__		54.3	___	MLv	15293896	FDSN	Z3	--	BUD	iLoc	HHZ	HHZ	_	
A252A	1.00	155.3	Lg	20:03:15.698	-0.4					T__			---			15293897	FDSN	Z3	--	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	
2019/03/15	09:09:04.73	2.23	0.60	48.5857	20.7539	19.6	4.5	2	0.0S		8	5	187	0.21	1.22	m	sx BUD	15293915	iLoc				276
(description : suspected quarry blast)																							
(locality : Dvorniky-Vcelare Slovakia)																							

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.2	4 ILOC	15293915

Sta	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	240.2	Pg	09:09:09.040	-0.0					T__		391.4	___	MLv	15293917	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_	
KECS	0.21	240.2	Lg	09:09:12.595	0.2					T__			---			15293918	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.5 1)																								
ABAH	0.43	131.7	Pg	09:09:13.804	0.2					T__		48.3	___	MLv	15293919	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ABAH	0.43	131.7	Lg	09:09:20.644	-0.5					T__			---			15293920	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.2 1)																								
PSZ	0.88	221.0	Pg	09:09:24.025	0.7					T__		49.1	___	MLv	15293921	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	0.88	221.0	Lg	09:09:35.918	-0.6					T__			---			15293922	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.7 1)																								

LANS	1.02	304.1	Pn	09:09:24.848	-0.7	T__	29.3	---	MLv	15293923	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_	
(Station ML : 1.5 1																			
A336A	1.22	253.9	Sn	09:09:46.878	0.4	T__		---		15293924	FDSN	Z3	00	BUD	iLoc	HH2	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/15	09:26:55.23	0.14	0.40	46.9518	22.3323	1.2	1.0	152	3.0A	33	105	0.30	2.21	a	ke	BUC	15270507	ISC				360
2019/03/15	09:26:54.26	0.75	0.96	46.9655	22.3165	3.9	2.9	2	0.0S	66	20	49	0.32	2.22	m	sx	BUD	15293942	iLoc			79

(description : suspected quarry blast)

(locality : Tetchea Romania)

Magnitude	Err	Nsta	Author	OrigID
ml	2.0		BUC	15270507
ML	2.0	0.3	8 ILOC	15293942

Sta	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	122.6	Pg	09:27:01.079	0.1					T__		188.8		---	MLv	15293944	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.32	122.6	Lg	09:27:05.978	-0.4					T__				---		15293945	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.32	122.6	Lg	09:27:05.868	-0.5					T__		0.2		---		15293946	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.32	122.6	Lg	09:27:05.868	-0.5					T__				---		15293947	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.5 0																								
BORR	0.38	289.2	Pg	09:27:02.434	-0.1					T__				---		15293948	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	0.38	289.2	Pg	09:27:02.434	-0.1					T__		0.4		---		15293949	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	0.38	289.2	Lg	09:27:08.961	-0.3					T__		0.4		---		15293950	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	0.38	289.2	Lg	09:27:08.961	-0.3					T__				---		15293951	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.47	66.7	Pg	09:27:04.177	0.4					T__				---		15293952	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.47	66.7	Pg	09:27:04.177	0.4					T__		0.2		---		15293953	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.47	66.7	Lg	09:27:10.484	-1.1					T__		0.2		---		15293954	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.47	66.7	Lg	09:27:10.484	-1.1					T__				---		15293955	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.62	117.4	Pg	09:27:06.633	-0.1					T__				---		15293956	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.62	117.4	Pg	09:27:06.633	-0.1					T__				---		15293957	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.62	117.4	Lg	09:27:15.316	-1.3					T__				---		15293958	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.83	213.2	Lg	09:27:21.911	-1.8					T__				---		15293959	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.83	213.0	Pg	09:27:10.825	-0.3					T__		39.0		---	MLv	15293960	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.83	213.0	Lg	09:27:22.326	-1.4					T__				---		15293961	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.6 1																								
CJR	0.92	105.5	Pg	09:27:12.262	0.0					T__				---		15293962	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.92	105.5	Pg	09:27:12.262	0.0					T__		0.1		---		15293963	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.92	105.5	Pg	09:27:12.394	0.2					T__		227.4		---	MLv	15293964	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
CJR	0.92	105.5	Lg	09:27:25.338	-0.8					T__		0.1		---		15293965	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.92	105.5	Lg	09:27:25.338	-0.8					T__				---		15293966	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.92	105.5	Lg	09:27:26.672	0.5					T__				---		15293967	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 2.4 0																								
BMR	1.07	48.1	Pn	09:27:15.349	-0.3					T__				---		15293968	FDSN	IR	--	ISC	iLoc	???	???	_
BMR	1.07	48.1	Pn	09:27:15.349	-0.3					T__		0.1		---		15293969	FDSN	IR	--	ISC	iLoc	???	???	_
BMR	1.07	48.1	Lg	09:27:30.124	-1.3					T__		0.1		---		15293970	FDSN	IR	--	ISC	iLoc	???	???	_
BMR	1.07	48.1	Lg	09:27:30.124	-1.3					T__				---		15293971	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	1.16	159.2	Lg	09:27:32.219	-0.3					T__				---		15293972	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	1.16	159.2	Lg	09:27:32.219	-0.3					T__		0.1		---		15293973	FDSN	IR	--	ISC	iLoc	???	???	_
TRSU	1.21	20.8	Pg	09:27:17.731	-0.1					T__				---		15293974	FDSN	UA	--	BUD	iLoc	MHZ	???	_
SURR	1.22	186.3	Pg	09:27:18.095	0.4					T__				---		15293975	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.22	186.3	Pg	09:27:18.095	0.4					T__				---		15293976	FDSN	IR	--	ISC	iLoc	???	???	_

SURR	1.22	186.3	Lg	09:27:34.679	-0.1	T__								15293977	FDSN	IR	--	ISC	iLoc	???	???	_
AMBH	1.26	241.2	Pn	09:27:18.858	1.0	T__	130.4			MLv				15293978	FDSN	HU	00	BUD	iLoc	BHN	BHZ	_
AMBH	1.26	241.2	Lg	09:27:36.832	-0.2	T__								15293979	FDSN	HU	00	BUD	iLoc	BHE	???	_
(Station ML : 2.3 1																						
ARCR	1.40	84.3	Pg	09:27:21.427	0.1	T__	85.7			MLv				15293980	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
ARCR	1.40	84.3	Lg	09:27:41.089	-0.3	T__	0.1							15293981	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	1.40	84.3	Lg	09:27:41.089	-0.3	T__								15293982	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.2 1																						
BZS	1.43	199.4	Pn	09:27:20.515	0.0	T__	33.0			MLv				15293983	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	1.43	199.4	Sn	09:27:40.032	-0.6	T__								15293984	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	1.43	200.0	Pg	09:27:21.696	-0.2	T__								15293985	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.43	200.0	Pg	09:27:21.696	-0.2	T__								15293986	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.43	200.0	Lg	09:27:42.375	0.7	T__								15293987	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.8 1																						
ABAH	1.52	331.7	Pn	09:27:20.588	-0.9	T__	48.9			MLv				15293988	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	1.52	331.7	Sn	09:27:41.648	-1.1	T__								15293989	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 2.0 1																						
GZR	1.60	168.3	Pg	09:27:24.748	0.1	T__								15293990	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.60	168.3	Pg	09:27:24.748	0.1	T__								15293991	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.60	168.3	Pg	09:27:25.032	0.4	T__	41.5			MLv				15293992	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.60	168.3	Lg	09:27:46.596	-0.6	T__								15293993	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.60	168.3	Lg	09:27:47.140	-0.1	T__								15293994	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 2.0 1																						
LOT	1.82	145.9	Pn	09:27:27.503	0.8	T__								15293995	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.82	145.9	Pn	09:27:27.503	0.8	T__								15293996	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.82	145.9	Sn	09:27:52.566	1.3	T__								15293997	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	1.90	301.0	Pn	09:27:29.381	2.3	T__								15293998	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	1.90	301.0	Pn	09:27:29.381	2.3	T__								15293999	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	1.90	301.0	Sn	09:27:54.261	2.1	T__								15294000	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.08	69.9	Pn	09:27:31.445	1.1	T__								15294001	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BURAR	2.08	69.9	Sn	09:27:59.422	1.3	T__								15294002	FDSN	RO	--	BUD	iLoc	BHN	???	_
BURAR	2.08	70.7	Sn	09:27:58.582	0.5	T__								15294003	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	2.09	178.1	Pn	09:27:31.664	1.8	T__								15294004	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	2.09	178.1	Pn	09:27:31.664	1.8	T__								15294005	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	2.09	178.1	Sn	09:27:58.622	2.0	T__								15294006	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	2.22	191.1	Pn	09:27:32.525	0.6	T__								15294007	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	2.22	191.1	Pn	09:27:32.525	0.6	T__								15294008	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	2.22	191.1	Sn	09:28:02.268	2.1	T__								15294009	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/15	10:42:09.56	0.23	0.35	46.1147	21.7283	2.3	1.6	94	7.7F	2.8	11	156	0.16	1.33	a	ke	BUC	15270617	ISC			360
2019/03/15	10:42:08.94	0.88	1.11	46.1445	21.7393	5.2	3.9	79	7.2F	8.2	20	8	99	0.13	1.36	m	ke	BUD	15294054	iLoc		148

Magnitude	Err	Nsta	Author	OrigID
m1	1.2		BUC	15270617
ML	1.6	0.6	4 ILOC	15294054

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
SIRR	0.13	336.3	Pg	10:42:12.715	0.5					T__		289.0				15294056	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.13	336.3	Lg	10:42:15.235	0.4					T__						15294057	FDSN	RO	--	BUD	iLoc	BHE	???	_
SIRR	0.13	335.8	Lg	10:42:15.600	0.8					T__						15294058	FDSN	IR	--	ISC	iLoc	???	???	_

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(Station ML : 1.1 1
SURR 0.47 145.3 Pg 10:42:18.908 0.7 T__ --- 15294060 FDSN IR -- ISC iLoc ??? ??? _
SURR 0.47 145.3 Pg 10:42:18.908 0.7 T__ --- 15294059 FDSN IR -- ISC iLoc ??? ??? _
BZS 0.53 187.5 Pg 10:42:19.234 -0.2 T__ 30.6 --- MLv 15294061 FDSN RO -- BUD iLoc BHZ BHZ _
BZS 0.53 187.5 Lg 10:42:25.791 -1.2 T__ --- 15294062 FDSN RO -- BUD iLoc BHN ??? _
BZS 0.53 189.3 Lg 10:42:25.999 -1.1 T__ --- 15294063 FDSN IR -- ISC iLoc ??? ??? _
(Station ML : 1.3 1
AMBH 0.73 286.7 Pg 10:42:23.830 -0.2 T__ 248.7 --- MLv 15294064 FDSN HU 00 BUD iLoc BHZ BHZ _
AMBH 0.73 286.7 Lg 10:42:35.144 1.0 T__ --- 15294065 FDSN HU 00 BUD iLoc BHN ??? _
(Station ML : 2.3 1
DRGR 0.93 45.7 Pg 10:42:24.132 -3.3 T__ 96.7 --- MLv 15294066 FDSN RO -- BUD iLoc BHZ BHZ _
DRGR 0.93 45.7 Lg 10:42:28.941 -11.4 --- --- 15294067 FDSN RO -- BUD iLoc BHE ??? _
(Station ML : 2.0 1
GZR 1.04 135.6 Pg 10:42:28.928 0.1 T__ --- 15294068 FDSN IR -- ISC iLoc ??? ??? _
GZR 1.04 135.6 Pg 10:42:28.928 0.1 T__ --- 15294069 FDSN IR -- ISC iLoc ??? ??? _
GZR 1.04 135.6 Lg 10:42:44.099 0.9 T__ --- 15294070 FDSN IR -- ISC iLoc ??? ??? _
MARR 1.09 60.4 Pg 10:42:31.359 0.9 T__ --- 15294071 FDSN IR -- ISC iLoc ??? ??? _
MARR 1.09 60.4 Pg 10:42:31.359 0.9 T__ --- 15294072 FDSN IR -- ISC iLoc ??? ??? _
MARR 1.09 60.4 Lg 10:42:46.114 0.7 T__ --- 15294073 FDSN IR -- ISC iLoc ??? ??? _
MDVR 1.36 180.8 Pg 10:42:34.988 -0.2 T__ --- 15294074 FDSN IR -- ISC iLoc ??? ??? _
MDVR 1.36 180.8 Pg 10:42:34.988 -0.2 T__ --- 15294075 FDSN IR -- ISC iLoc ??? ??? _
MDVR 1.36 180.8 Lg 10:42:53.117 0.0 T__ --- 15294076 FDSN IR -- ISC iLoc ??? ??? _

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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
2019/03/15 10:51:07.89 0.34 1.26 48.4867 22.7059 5.3 3.3 65 1.4 2.5 15 12 114 0.04 1.87 m ke BUD 15235645 scolv@krszo 360
2019/03/15 10:51:06.96 0.99 0.57 48.4658 22.7100 5.2 3.9 50 1.0A 15 12 113 0.02 1.86 m ke BUD_GT 15294094 iLoc 119
(GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)

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Magnitude Err Nsta Author OrigID
M 2.0 3 BUD 15235645
MLv 2.0 1.2 3 BUD 15235645
ML 2.1 1.5 3 ILOC 15294094

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
MUKU 0.02 230.9 Pg 10:51:07.241 -0.3 T__ --- 15294096 FDSN UA -- BUD iLoc MHZ ??? _
HOLU 0.23 285.9 Pg 10:51:11.223 -0.2 T__ --- 15294097 FDSN UA -- BUD iLoc MHZ ??? _
BRIU 0.24 121.6 Pg 10:51:11.467 -0.3 T__ --- 15294098 FDSN UA -- BUD iLoc MHZ ??? _
TRPA 0.35 198.8 Pg 10:51:14.297 0.3 T__ 29.0 --- MLv 15294099 FDSN HU -- BUD iLoc BHZ BHZ _
TRPA 0.35 198.8 Lg 10:51:19.982 -0.0 T__ --- 15294100 FDSN HU -- BUD iLoc BHE ??? _
(Station ML : 0.7 1
KOLS 0.55 328.4 Pg 10:51:18.010 0.5 T__ --- 15294101 FDSN SK -- BUD iLoc HHZ ??? _
KOLS 0.55 328.4 Lg 10:51:26.248 -0.1 T__ --- 15294102 FDSN SK -- BUD iLoc HHE ??? _
STZU 0.55 354.1 Pg 10:51:17.196 -0.3 T__ --- 15294103 FDSN UA -- BUD iLoc MHZ ??? _
BMR 0.95 146.1 Lg 10:51:40.988 0.8 T__ --- 15294104 FDSN RO -- BUD iLoc BHN ??? _
ABAH 0.99 260.7 Pg 10:51:26.151 -0.2 T__ 109.0 --- MLv 15294105 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.99 260.7 Lg 10:51:41.605 -0.1 T__ --- 15294106 FDSN HU -- BUD iLoc HHE ??? _
(Station ML : 2.1 1
RAKU 1.07 113.8 Pn 10:51:29.515 0.9 T__ --- 15294107 FDSN UA -- BUD iLoc MHZ ??? _
KWP 1.17 359.9 Pn 10:51:31.236 1.1 T__ 969.3 --- MLv 15294108 FDSN PL -- BUD iLoc BHZ BHZ _
(Station ML : 3.1 1
DRGR 1.68 180.0 Lg 10:52:02.556 -0.5 T__ --- 15294109 FDSN RO -- BUD iLoc BHN ??? _

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BURAR 1.86 115.3 Pn 10:51:39.672 -0.4 T__ --- 15294110 FDSN RO -- BUD iLoc BHZ ??? _

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2019/03/15 10:52:42.24 0.87 1.39 48.4707 22.7109 6.1 4.8 48 14.8F 5.3 12 8 128 0.02 1.68 m ke BUD 15294124 iLoc 186

Magnitude Err Nsta Author OrigID

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude, ArrID, Agy, Deploy, Ln, Auth, Rep, PCh, ACh, L. Rows include stations like MUKU, HOLU, BRIU, TRPA, KOLS, STZU, ABAH, DRGR.

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2019/03/15 10:59:57.91 1.12 1.79 48.0948 17.0096 5.7 3.6 161 0.0A 12 136 0.33 1.94 a kx KRSZO 15270650 ISC 360
2019/03/15 10:59:58.53 0.88 0.31 48.1244 16.9636 6.1 4.2 99 0.0F 0.0 9 4 0.62 1.31 a sx VIE 15270646 ISC 360
2019/03/15 10:59:57.86 0.96 0.91 48.1508 16.9541 10.7 3.7 140 0.0S 21 12 89 0.31 1.44 m sx BUD 15294146 iLoc 152

(description : suspected quarry blast)
(locality : Hainburg Austria)

Magnitude Err Nsta Author OrigID
mb 1.6 VIE 15270646
ml 1.8 VIE 15270646
ML 1.9 0.0 3 ILOC 15294146

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude, ArrID, Agy, Deploy, Ln, Auth, Rep, PCh, ACh, L. Rows include stations like MODS, RONA, CONA, EGYH, JAVC, A335A, KRUC.

KRUC	0.98	338.1	Sn	11:00:32.651	-1.0	T__	---	15294160	FDSN	CZ	--	BUD	iLoc	BHE	???	_
AO12A	1.07	239.8	Sn	11:00:34.008	-1.8	T__	---	15294161	FDSN	Z3	00	BUD	iLoc	HH2	???	_
AO07A	1.11	301.3	Lg	11:00:33.975	-0.9	T__	---	15294162	FDSN	Z3	00	BUD	iLoc	HHN	???	_
VRAC	1.18	348.5	Pn	11:00:21.000	-0.1	T__	---	15294163	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.18	348.5	Sn	11:00:38.098	-0.6	T__	---	15294164	FDSN	CZ	--	BUD	iLoc	BHE	???	_
ARSA	1.32	227.5	Pg	11:00:24.130	0.2	T__	2.9 0.28	15294165	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.32	227.5	Pg	11:00:23.922	-0.0	T__	53.4	15294166	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
ARSA	1.32	227.5	Sn	11:00:42.077	0.7	T__	---	15294167	FDSN	OE	--	BUD	iLoc	BHN	???	_
(Station ML : 2.0 1																
AO19A	1.44	241.4	Sn	11:00:46.216	1.2	T__	---	15294168	FDSN	Z3	00	BUD	iLoc	HH3	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/15	13:50:06.26	0.21	0.29	46.1159	21.6894	2.2	1.2	106	8.4F	2.3	12	169		0.15	1.33	a	ke BUC	15270668	ISC			360
2019/03/15	13:50:05.87	0.75	0.65	46.1234	21.6817	5.9	2.9	89	0.0S		26	7	105	0.14	1.34	m	sx BUD	15294186	iLoc			171
(description : suspected quarry blast)																						
(locality : Paulis Romania)																						

Magnitude	Err	Nsta	Author	OrigID
ml	1.3		BUC	15270668
ML	1.5	0.3	4 ILOC	15294186

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
SIRR	0.14	354.8	Pg	13:50:09.399	0.1					T__		453.8		---	MLv	15294188	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.14	354.8	Lg	13:50:12.212	-0.0					T__				---		15294189	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	0.14	354.0	Lg	13:50:12.100	-0.2					T__		0.5		---		15294190	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.4 1																								
BZS	0.51	183.3	Pg	13:50:16.054	0.2					T__		27.3		---	MLv	15294191	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.51	183.3	Lg	13:50:22.572	-0.6					T__				---		15294192	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	0.51	185.1	Pg	13:50:15.662	-0.3					T__				---		15294194	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.51	185.1	Pg	13:50:15.662	-0.3					T__				---		15294193	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.51	185.1	Pb	13:50:15.900	-0.0					T__		0.0		---		15294195	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.51	185.1	Lg	13:50:22.988	-0.3					T__				---		15294196	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.1 1																								
AMBH	0.70	289.2	Lg	13:50:33.000	1.0					T__				---		15294197	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.98	46.4	Pg	13:50:25.600	0.2					T__		0.0		---		15294198	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.98	46.4	Lg	13:50:38.274	-1.5					T__				---		15294199	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.98	46.4	Pg	13:50:25.454	0.1					T__		38.7		---	MLv	15294200	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.98	46.4	Lg	13:50:38.166	-1.6					T__				---		15294201	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.6 1																								
GZR	1.06	133.2	Pg	13:50:26.888	0.9					T__				---		15294202	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.06	133.2	Pg	13:50:26.888	0.9					T__				---		15294203	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.06	133.2	Pn	13:50:27.787	0.4					T__		41.7		---	MLv	15294204	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.06	133.2	Lg	13:50:40.400	-0.4					T__		0.0		---		15294205	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.06	133.2	Lg	13:50:40.911	0.1					T__				---		15294206	FDSN	RO	--	BUD	iLoc	BHN	???	_
GZR	1.06	133.2	Lg	13:50:41.072	0.3					T__				---		15294207	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.7 1																								
MARR	1.14	60.4	Pg	13:50:28.426	0.0					T__				---		15294208	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.14	60.4	Pg	13:50:28.426	0.0					T__				---		15294209	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.14	60.4	Lg	13:50:44.004	-0.9					T__				---		15294210	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.34	179.1	Pn	13:50:30.969	-0.2					T__				---		15294211	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.34	179.1	Pn	13:50:30.969	-0.2					T__				---		15294212	FDSN	IR	--	ISC	iLoc	???	???	_

MDVR 1.34 179.1 Lg 13:50:50.154 0.4 T__ --- 15294213 FDSN IR -- ISC iLoc ??? ??? _

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/16	15:08:19.30	0.50		45.6340	17.9760	0.1	0.1		6.0F	8.1	14			1.01	3.30	a	ke BEO	15270711	ISC			360
2019/03/16	15:08:18.30	0.26		45.6850	17.9180	0.0	0.0		6.0F	2.5	24			0.73	2.44	a	ke RHSSO	15270714	ISC			360
2019/03/16	15:08:17.06	0.61	1.28	45.6645	17.9205	3.4	3.2	69	5.0A		70	30	67	0.23	3.35	m	ke BUD	15294235	iLoc			93

Magnitude	Err	Nsta	Author	OrigID
ML	2.0		BEO	15270711
ML	2.1		RHSSO	15270714
ML	2.5	0.4	18 ILOC	15294235

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L			
A252A	0.23	192.5	Pg	15:08:22.148	0.0					T__		927.9		---	MLv	15294237	FDSN	Z3	--	BUD	iLoc	HHZ	HHZ	_			
A252A	0.23	192.5	Lg	15:08:25.833	0.4					T__				---		15294238	FDSN	Z3	--	BUD	iLoc	HHE	???	_			
(Station ML : 1.9 1																											
A273A	0.26	343.9	Pg	15:08:23.090	0.5					T__		20.3		---	MLv	15294239	FDSN	Z3	--	BUD	iLoc	HHZ	HHZ	_			
A273A	0.26	343.9	Lg	15:08:27.702	1.4					T__				---		15294240	FDSN	Z3	--	BUD	iLoc	HHE	???	_			
(Station ML : 0.3 0																											
KOVH	0.44	16.4	Pg	15:08:25.907	-0.2					T__		156.0		_d	MLv	15294241	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_			
KOVH	0.44	16.4	Lg	15:08:31.988	-0.4					T__				---		15294242	FDSN	HU	--	BUD	iLoc	BHE	???	_			
(Station ML : 1.7 0																											
BELGA	0.74	331.8	Pn	15:08:33.207	0.3					T__		640.8		---	MLv	15294243	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_			
BELGA	0.74	331.8	Lg	15:08:42.816	1.0					T__				---		15294244	FDSN	HU	--	BUD	iLoc	HHN	???	_			
(Station ML : 2.7 1																											
MORH	0.75	42.2	Pg	15:08:31.300	-0.6					T__				---		15294245	FDSN	IR	--	ISC	iLoc	???	???	_			
MORH	0.75	42.2	Lg	15:08:41.600	-1.2					T__				---		15294246	FDSN	IR	--	ISC	iLoc	???	???	_			
MORH	0.75	42.2	Pg	15:08:31.530	-0.4					T__		46.9		---	MLv	15294247	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_			
MORH	0.75	42.2	Lg	15:08:41.806	-1.0					T__				---		15294248	FDSN	HU	--	BUD	iLoc	BHN	???	_			
(Station ML : 1.6 0																											
A265A	0.77	353.5	Pg	15:08:32.542	0.2					T__		584.1		---	MLv	15294249	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_			
A265A	0.77	353.5	Lg	15:08:43.286	0.5					T__				---		15294250	FDSN	Z3	00	BUD	iLoc	HHE	???	_			
(Station ML : 2.7 1																											
MOSL	0.82	266.8	Pg	15:08:32.453	-0.9					T__		307.6		---	MLv	15294251	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_			
MOSL	0.82	266.8	Lg	15:08:43.130	-0.8					T__				---		15294252	FDSN	IR	--	ISC	iLoc	???	???	_			
MOSL	0.82	266.8	Lg	15:08:43.291	-0.7					T__				---		15294253	FDSN	CR	--	BUD	iLoc	BHN	???	_			
(Station ML : 2.4 1																											
DARVA	0.85	323.6	Pn	15:08:34.241	-0.1					T__		355.4		---	MLv	15294254	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_			
(Station ML : 2.5 1																											
A266A	0.89	15.4	Pn	15:08:35.448	0.6					T__		864.6		---	MLv	15294255	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_			
(Station ML : 2.9 0																											
DOB	0.94	172.2	Pn	15:08:35.500	-0.3					T__				---		15294256	FDSN	IR	--	ISC	iLoc	???	???	_			
DOB	0.94	172.2	Sn	15:08:48.500	-0.9					T__				---		15294257	FDSN	IR	--	ISC	iLoc	???	???	_			
A051A	0.97	228.0	Pn	15:08:36.600	-0.0					T__				---		15294258	FDSN	IR	--	ISC	iLoc	???	???	_			
A051A	0.97	228.0	Lg	15:08:49.300	0.7					T__				---		15294259	FDSN	IR	--	ISC	iLoc	???	???	_			
BLY	1.02	211.0	Pn	15:08:37.089	-0.1					T__		109.7		---	MLv	15294260	FDSN	MN	--	BUD	iLoc	BHZ	BHZ	_			
BLY	1.02	211.0	Sn	15:08:51.785	-0.0					T__				---		15294261	FDSN	MN	--	BUD	iLoc	BHN	???	_			
BLY	1.05	209.9	Pn	15:08:37.600	-0.0					T__				---		15294262	FDSN	IR	--	ISC	iLoc	???	???	_			
BLY	1.05	209.9	Pg	15:08:37.900	0.6					T__				---		15294263	FDSN	IR	--	ISC	iLoc	???	???	_			
BLY	1.05	209.9	Sn	15:08:52.400	-0.2					T__				---		15294264	FDSN	IR	--	ISC	iLoc	???	???	_			
(Station ML : 2.1 1																											

A263A	1.06	336.9	Sn	15:08:52.569	0.1	T__	---	---	15294265	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
KALN	1.12	295.1	Lg	15:08:52.620	-1.2	T__	---	---	15294266	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	1.12	295.0	Pn	15:08:37.763	-0.6	T__	74.1	MLv	15294267	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
KALN	1.12	295.0	Sn	15:08:53.694	-0.4	T__	---	---	15294268	FDSN	CR	--	BUD	iLoc	BHN	???	_
(Station ML : 2.0 1																	
BEHE	1.13	315.7	Pn	15:08:38.349	-0.1	T__	360.2	MLv	15294269	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BEHE	1.13	315.7	Lg	15:08:53.617	-0.2	T__	---	---	15294270	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 2.7 1																	
LOBO	1.38	291.4	Pn	15:08:41.360	-0.7	T__	---	---	15294271	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	1.39	280.8	Pn	15:08:41.297	-0.9	T__	105.5	MLv	15294272	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	1.39	280.8	Sn	15:08:59.189	-1.3	T__	---	---	15294273	FDSN	CR	--	BUD	iLoc	BHN	???	_
PTJ	1.39	280.8	Pn	15:08:41.470	-1.0	T__	---	---	15294274	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.3 1																	
KOGS	1.40	304.6	Sn	15:08:59.316	-1.2	T__	---	---	15294275	FDSN	SL	--	BUD	iLoc	BHE	???	_
FRGS	1.42	110.2	Pn	15:08:42.500	0.2	T__	---	---	15294276	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	1.42	110.2	Pg	15:08:44.600	1.1	T__	---	---	15294277	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	1.42	110.2	Lg	15:09:04.200	-1.1	T__	---	---	15294278	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	1.42	110.2	Sg	15:09:04.600	-0.7	T__	---	---	15294279	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	1.45	110.7	Sn	15:09:03.264	0.5	T__	---	---	15294280	FDSN	SJ	--	BUD	iLoc	HHE	???	_
MPLH	1.53	350.2	Pn	15:08:43.638	-0.1	T__	69.4	MLv	15294281	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	1.53	350.2	Lg	15:09:06.844	0.3	T__	---	---	15294282	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 2.2 1																	
A050A	1.54	220.3	Pg	15:08:46.300	0.2	T__	---	---	15294283	FDSN	IR	--	ISC	iLoc	???	???	_
A050A	1.54	220.3	Lg	15:09:06.500	0.0	T__	---	---	15294284	FDSN	IR	--	ISC	iLoc	???	???	_
TEKS	1.59	133.8	Pg	15:08:47.400	1.0	T__	---	---	15294285	FDSN	IR	--	ISC	iLoc	???	???	_
TEKS	1.59	133.8	Pb	15:08:47.600	1.2	T__	---	---	15294286	FDSN	IR	--	ISC	iLoc	???	???	_
TEKS	1.59	133.8	Lg	15:09:08.500	-1.9	T__	---	---	15294287	FDSN	IR	--	ISC	iLoc	???	???	_
TEKS	1.59	133.8	Lg	15:09:08.500	-1.9	T__	---	---	15294288	FDSN	IR	--	ISC	iLoc	???	???	_
BOJS	1.88	266.1	Pg	15:08:51.100	-0.5	T__	---	---	15294289	FDSN	IR	--	ISC	iLoc	???	???	_
BOJS	1.88	266.1	Lg	15:09:15.400	-2.0	T__	---	---	15294290	FDSN	IR	--	ISC	iLoc	???	???	_
BBLs	2.09	149.0	Pg	15:08:54.200	-1.1	T__	---	---	15294291	FDSN	IR	--	ISC	iLoc	???	???	_
BBLs	2.09	149.0	Pb	15:08:55.100	-0.2	T__	---	---	15294292	FDSN	IR	--	ISC	iLoc	???	???	_
BBLs	2.09	149.0	Sn	15:09:19.800	1.9	T__	---	---	15294293	FDSN	IR	--	ISC	iLoc	???	???	_
BBLs	2.09	149.0	Lg	15:09:24.900	-1.0	T__	---	---	15294294	FDSN	IR	--	ISC	iLoc	???	???	_
BBLs	2.09	148.9	Pg	15:08:54.956	-0.2	T__	270.2	MLv	15294295	FDSN	SJ	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 3.1 0																	
ARSA	2.29	314.6	Pn	15:08:54.482	-0.1	T__	52.2	MLv	15294296	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
ARSA	2.29	314.6	Pn	15:08:56.500	1.9	T__	---	---	15294297	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	2.29	314.6	Sn	15:09:24.600	2.8	T__	---	---	15294298	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.5 1																	
CEY	2.45	273.0	Pn	15:08:58.600	1.6	T__	---	---	15294299	FDSN	IR	--	ISC	iLoc	???	???	_
CEY	2.45	273.0	Sn	15:09:29.300	2.5	T__	---	---	15294300	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	2.49	291.0	Pn	15:08:56.941	-0.9	T__	68.9	MLv	15294301	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 2.7 1																	
GRUS	2.67	130.7	Pg	15:09:05.800	0.9	T__	---	---	15294302	FDSN	IR	--	ISC	iLoc	???	???	_
GRUS	2.67	130.7	Lg	15:09:40.800	-5.4	T__	---	---	15294303	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	2.67	328.8	Pn	15:08:59.825	-0.1	T__	75.0	MLv	15294304	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 2.9 0																	
SELS	3.35	135.7	Pn	15:09:11.800	2.3	T__	---	---	15294305	FDSN	IR	--	ISC	iLoc	???	???	_
SELS	3.35	135.7	Lg	15:10:04.600	-3.3	T__	---	---	15294306	FDSN	IR	--	ISC	iLoc	???	???	_

BZS	0.97	242.6	Pg	08:40:08.500	0.2	T__	---	15294418	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.97	242.6	Pg	08:40:08.500	0.2	T__	---	15294419	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.97	242.6	Pb	08:40:08.900	0.6	T__	---	15294420	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.97	242.6	Lg	08:40:20.851	-1.0	T__	---	15294421	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.97	242.6	Sg	08:40:22.100	0.2	T__	---	15294422	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.5 0)																
HERR	1.22	194.2	Pg	08:40:12.634	0.0	T__	---	15294423	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.22	194.2	Pg	08:40:12.634	0.0	T__	0.1	15294424	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.22	194.2	Lg	08:40:29.383	0.3	T__	0.1	15294425	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.22	194.2	Lg	08:40:29.383	0.3	T__	---	15294426	FDSN	IR	--	ISC	iLoc	???	???	_
VRSS	1.42	228.9	Pn	08:40:16.400	0.5	T__	---	15294427	FDSN	IR	--	ISC	iLoc	???	???	_
VRSS	1.42	228.9	Sn	08:40:34.200	-1.7	T__	---	15294428	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.51	212.0	Pn	08:40:17.264	-0.1	T__	---	15294429	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.51	212.0	Pn	08:40:17.264	-0.1	T__	---	15294430	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.51	212.0	Sn	08:40:37.400	-0.9	T__	---	15294431	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.51	212.0	Lg	08:40:37.911	-1.3	T__	---	15294432	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.67	111.4	Pn	08:40:19.939	-0.2	T__	---	15294433	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.67	111.4	Pn	08:40:19.939	-0.2	T__	---	15294434	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.67	111.4	Sn	08:40:42.222	-1.2	T__	---	15294435	FDSN	IR	--	ISC	iLoc	???	???	_
BORS2	2.06	196.7	Sn	08:40:52.600	1.7	T__	---	15294436	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	5.14	318.1	Pg	08:41:36.700	7.9	---	---	15294437	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	5.14	318.1	Sn	08:41:42.800	-24.3	---	---	15294438	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/18	08:45:42.90	0.90		45.9630	22.9030	0.1	0.0		22.0F	1.1	13			0.57	1.97	a	ke BEO	15270899	ISC			360
2019/03/18	08:45:41.97	0.19	0.50	46.0329	22.8589	1.7	1.3	95	3.9F	2.3	24	73		0.15	2.27	a	ke BUC	15270902	ISC			360
2019/03/18	08:45:41.63	0.70	0.71	46.0462	22.8534	3.5	2.8	80	0.0S		60	14	72	0.16	2.26	m	sx BUD	15294468	iLoc			108

(description : suspected quarry blast)
(locality : Baita Romania)

Magnitude	Err	Nsta	Author	OrigID
ML	1.6		BEO	15270899
m1	1.6		BUC	15270902
ML	1.7	0.1	6 ILOC	15294468

Sta	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	0.16	168.9	Pg	08:45:44.904	0.2					T__		790.3		---	MLv	15294470	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
DEV	0.16	168.9	Lg	08:45:48.020	1.0					T__				---		15294471	FDSN	RO	--	BUD	iLoc	BHN	???	_		
DEV	0.17	167.9	Pg	08:45:44.258	-0.5					T__				---		15294472	FDSN	IR	--	ISC	iLoc	???	???	_		
DEV	0.17	167.9	Pg	08:45:44.258	-0.5					T__		0.4		---		15294473	FDSN	IR	--	ISC	iLoc	???	???	_		
(Station ML : 1.6 0)																										
SURR	0.59	240.4	Pg	08:45:53.727	0.7					T__				---		15294474	FDSN	IR	--	ISC	iLoc	???	???	_		
SURR	0.59	240.4	Pg	08:45:53.727	0.7					T__				---		15294475	FDSN	IR	--	ISC	iLoc	???	???	_		
SURR	0.59	240.4	Lg	08:46:00.822	-0.4					T__				---		15294476	FDSN	IR	--	ISC	iLoc	???	???	_		
GZR	0.66	184.7	Pg	08:45:54.252	0.0					T__		97.7		---	MLv	15294477	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
GZR	0.66	184.7	Pg	08:45:54.459	0.3					T__				---		15294478	FDSN	IR	--	ISC	iLoc	???	???	_		
GZR	0.66	184.7	Pg	08:45:54.459	0.3					T__		0.1		---		15294479	FDSN	IR	--	ISC	iLoc	???	???	_		
GZR	0.66	184.7	Pg	08:45:54.500	0.3					T__				---		15294480	FDSN	IR	--	ISC	iLoc	???	???	_		
GZR	0.66	184.7	Lg	08:46:02.988	-0.5					T__				---		15294481	FDSN	RO	--	BUD	iLoc	BHN	???	_		
GZR	0.66	184.7	Lg	08:46:03.446	-0.1					T__		0.1		---		15294482	FDSN	IR	--	ISC	iLoc	???	???	_		
GZR	0.66	184.7	Lg	08:46:03.446	-0.1					T__				---		15294483	FDSN	IR	--	ISC	iLoc	???	???	_		

GZR	0.66	184.7	Sg	08:46:03.600	0.1	T__	---	15294484	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.9 0)																	
MARR	0.66	16.2	Pg	08:45:55.176	0.3	T__	---	15294485	FDSN	IR	--	ISC	iLoc	???	???	_	
MARR	0.66	16.2	Pg	08:45:55.176	0.3	T__	---	15294486	FDSN	IR	--	ISC	iLoc	???	???	_	
MARR	0.66	16.2	Lg	08:46:03.674	-1.7	T__	---	15294487	FDSN	IR	--	ISC	iLoc	???	???	_	
DRGR	0.75	352.5	Pn	08:45:58.400	-0.4	T__	---	15294488	FDSN	IR	--	ISC	iLoc	???	???	_	
DRGR	0.75	352.5	Lg	08:46:10.400	1.5	T__	---	15294489	FDSN	IR	--	ISC	iLoc	???	???	_	
DRGR	0.75	352.5	Pg	08:45:57.033	0.3	T__	56.7	MLv	15294490	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.75	352.5	Lg	08:46:06.993	-1.9	T__	---	15294491	FDSN	RO	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.7 1)																	
SIRR	0.86	285.3	Pg	08:45:58.061	-1.0	T__	62.2	MLv	15294492	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.86	285.3	Lg	08:46:11.356	-0.1	T__	---	15294493	FDSN	RO	--	BUD	iLoc	BHN	???	_	
SIRR	0.86	285.4	Pg	08:45:59.100	-0.0	T__	---	15294494	FDSN	IR	--	ISC	iLoc	???	???	_	
SIRR	0.86	285.4	Pb	08:45:59.256	0.1	T__	---	15294495	FDSN	IR	--	ISC	iLoc	???	???	_	
SIRR	0.86	285.4	Pb	08:45:59.256	0.1	T__	0.1	---	15294496	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.86	285.4	Lg	08:46:10.536	-1.0	T__	---	15294498	FDSN	IR	--	ISC	iLoc	???	???	_	
SIRR	0.86	285.4	Lg	08:46:10.536	-1.0	T__	0.1	---	15294497	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.86	285.4	Sg	08:46:12.700	1.2	T__	---	15294499	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.8 1)																	
LOT	0.88	132.7	Pg	08:45:58.808	0.3	T__	---	15294500	FDSN	IR	--	ISC	iLoc	???	???	_	
LOT	0.88	132.7	Pg	08:45:58.808	0.3	T__	---	15294501	FDSN	IR	--	ISC	iLoc	???	???	_	
LOT	0.88	132.7	Lg	08:46:10.457	-0.8	T__	---	15294502	FDSN	IR	--	ISC	iLoc	???	???	_	
LOT	0.88	132.8	Pg	08:45:59.307	0.8	T__	63.2	MLv	15294503	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
LOT	0.88	132.8	Lg	08:46:11.263	-0.2	T__	---	15294504	FDSN	RO	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.8 1)																	
BZS	0.95	243.7	Pg	08:46:00.415	0.3	T__	48.1	MLv	15294505	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.95	243.7	Lg	08:46:13.641	0.1	T__	---	15294506	FDSN	RO	--	BUD	iLoc	BHN	???	_	
BZS	0.97	244.0	Pg	08:46:00.627	0.2	T__	---	15294507	FDSN	IR	--	ISC	iLoc	???	???	_	
BZS	0.97	244.0	Pg	08:46:00.627	0.2	T__	---	15294508	FDSN	IR	--	ISC	iLoc	???	???	_	
BZS	0.97	244.0	Pn	08:46:01.600	-0.0	T__	---	15294509	FDSN	IR	--	ISC	iLoc	???	???	_	
BZS	0.97	244.0	Lg	08:46:12.697	-1.3	T__	---	15294510	FDSN	IR	--	ISC	iLoc	???	???	_	
BZS	0.97	244.0	Sg	08:46:14.000	-0.0	T__	---	15294511	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.7 1)																	
HERR	1.21	195.0	Pg	08:46:04.585	0.2	T__	---	15294512	FDSN	IR	--	ISC	iLoc	???	???	_	
HERR	1.21	195.0	Pg	08:46:04.585	0.2	T__	0.1	---	15294513	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.21	195.0	Lg	08:46:20.765	0.1	T__	0.1	---	15294514	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.21	195.0	Lg	08:46:20.765	0.1	T__	---	15294515	FDSN	IR	--	ISC	iLoc	???	???	_	
VRSS	1.42	229.8	Pn	08:46:07.800	-0.2	T__	---	15294516	FDSN	IR	--	ISC	iLoc	???	???	_	
VRSS	1.42	229.8	Sn	08:46:26.400	-1.5	T__	---	15294517	FDSN	IR	--	ISC	iLoc	???	???	_	
ARR	1.42	117.9	Pg	08:46:09.293	0.3	T__	---	15294518	FDSN	IR	--	ISC	iLoc	???	???	_	
ARR	1.42	117.9	Pg	08:46:09.293	0.3	T__	---	15294519	FDSN	IR	--	ISC	iLoc	???	???	_	
ARR	1.42	117.9	Sn	08:46:28.100	-1.1	T__	---	15294520	FDSN	IR	--	ISC	iLoc	???	???	_	
MDVR	1.50	212.8	Pg	08:46:10.000	-0.6	T__	---	15294521	FDSN	IR	--	ISC	iLoc	???	???	_	
MDVR	1.50	212.8	Pg	08:46:10.097	-0.6	T__	---	15294522	FDSN	IR	--	ISC	iLoc	???	???	_	
MDVR	1.50	212.8	Pg	08:46:10.097	-0.6	T__	---	15294523	FDSN	IR	--	ISC	iLoc	???	???	_	
MDVR	1.50	212.8	Lg	08:46:30.224	-0.3	T__	---	15294524	FDSN	IR	--	ISC	iLoc	???	???	_	
MDVR	1.50	212.8	Lg	08:46:30.300	-0.3	T__	---	15294525	FDSN	IR	--	ISC	iLoc	???	???	_	
BORS2	2.04	197.1	Sn	08:46:44.200	1.5	T__	---	15294526	FDSN	IR	--	ISC	iLoc	???	???	_	
BURAR	2.26	45.1	Pn	08:46:20.820	0.4	T__	---	15294527	FDSN	IR	--	ISC	iLoc	???	???	_	
BURAR	2.26	45.1	Pn	08:46:20.820	0.4	T__	---	15294528	FDSN	IR	--	ISC	iLoc	???	???	_	
BURAR	2.26	45.1	Sn	08:46:49.755	-0.2	T__	---	15294529	FDSN	IR	--	ISC	iLoc	???	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/18	11:45:15.43	1.48	2.16	46.1136	18.0864	11.5	4.3	94	0.0S	6	4	180	0.03	1.12	m	kx	BUD	15294562	iLoc			265
2019/03/18	11:45:14.57f		1.08	46.1254	18.0152f				0.0S	6		220	0.07	1.10	a	kx	BUD_GT	15327627	BUD			264

(GT info : GT2 explosion)

(description : known quarry blast)

(locality : Bükkösd-II Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.3	3 BUD	15294562
ML	1.8	0.1	3 ILOC	15327627

Sta	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	122.2	Pg	11:45:16.852	0.2					T__		1886.3		---	MLv	15329270	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.07	122.2	Lg	11:45:17.715	-0.9					T__				---		15329271	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 1.8 1																								
A266A	0.44	23.3	Pg	11:45:24.737	0.9					T__		223.7		---	MLv	15329274	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 1.9 1																								
MORH	0.45	78.1	Pg	11:45:24.025	0.1					T__		17.3		---	MLv	15329272	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.45	78.1	Lg	11:45:30.386	-0.7					T__				---		15329273	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 0.8 1																								
MPLH	1.10	342.8	Sn	11:45:50.081	-2.2					T__				---		15329275	FDSN	HU	--	BUD	BUD	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/20	08:43:39.78	1.18	1.42	48.2517	21.4615	15.6	4.5	6	0.0S	7	4	153	0.15	1.10	m	sx	BUD	15294583	iLoc			208

(description : suspected quarry blast)
(locality : Tállya Hungary)

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	0.15	286.8	Pg	08:43:43.613	0.2					T__		762.6		---	MLv	15294585	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.15	286.8	Lg	08:43:45.903	-0.7					T__				---		15294586	FDSN	HU	--	BUD	iLoc	HHN	???	_
TRPA	0.73	99.2	Pg	08:43:54.541	0.4					T__		58.4		---	MLv	15294587	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TRPA	0.73	99.2	Lg	08:44:04.524	-2.0					T__				---		15294588	FDSN	HU	--	BUD	iLoc	HHN	???	_
STZU	1.09	44.8	Pg	08:44:00.695	0.2					T__				---		15294589	FDSN	UA	--	BUD	iLoc	MHZ	???	_
STZU	1.09	44.8	Lg	08:44:17.665	0.0					T__				---		15294590	FDSN	UA	--	BUD	iLoc	MHZ	???	_
PSZ	1.10	253.0	Sn	08:44:20.784	1.8					T__				---		15294591	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
2019/03/20	09:05:02.41	0.23	0.36	46.7715	22.8583	2.5	1.3	176	2.9F	2.3	15	150	0.10	2.02	a	ke	BUC	15271008	ISC			360
2019/03/20	09:05:00.26	2.47	0.66	46.8847	22.8946	20.0	6.7	178	0.0S	29	8	203	0.16	2.08	m	sx	BUD	15294600	iLoc			258

(description : suspected quarry blast)

(locality : Poieni Romania)

Magnitude	Err	Nsta	Author	OrigID
ml	1.3		BUC	15271008
ML	1.8	0.0	5 ILOC	15294600

Sta	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	233.6	Pg	09:05:03.869	0.1					T__		371.6		---	MLv	15294602	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.16	233.6	Lg	09:05:06.570	-0.2					T__				---		15294603	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.16	233.6	Lg	09:05:06.677	-0.1					T__				---		15294604	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.3 0)																								
MARR	0.26	143.5	Pg	09:05:05.674	-0.1					T__				---		15294605	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.26	143.5	Pg	09:05:05.674	-0.1					T__				---		15294606	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.26	143.5	Lg	09:05:09.700	-0.6					T__				---		15294607	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	1.02	78.1	Sn	09:05:38.135	0.8					T__				---		15294608	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	1.02	78.1	Sn	09:05:38.135	0.8					T__				---		15294609	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.05	234.3	Pn	09:05:20.695	-0.6					T__		21.1		---	MLv	15294610	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	1.05	234.3	Lg	09:05:35.860	-0.5					T__				---		15294611	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	1.05	234.5	Pn	09:05:21.025	-0.2					T__				---		15294612	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.05	234.5	Pn	09:05:21.025	-0.2					T__				---		15294613	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.05	234.5	Lg	09:05:34.592	-1.7					T__				---		15294614	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.4 1)																								
GZR	1.49	183.2	Pg	09:05:28.961	0.4					T__				---		15294615	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.49	183.2	Pg	09:05:28.961	0.4					T__				---		15294616	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.49	183.2	Pg	09:05:29.386	0.8					T__		31.5		---	MLv	15294617	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.49	183.2	Sn	09:05:48.250	-0.7					T__				---		15294618	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.49	183.2	Sn	09:05:48.843	-0.1					T__				---		15294619	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 1.8 1)																								
BZS	1.54	215.0	Pn	09:05:27.689	-0.4					T__		28.6		---	MLv	15294620	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	1.54	215.0	Lg	09:05:51.128	0.5					T__				---		15294621	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	1.55	215.4	Pn	09:05:28.930	0.7					T__				---		15294622	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.55	215.4	Pn	09:05:28.930	0.7					T__				---		15294623	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.55	215.4	Sn	09:05:49.440	-0.2					T__				---		15294624	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.8 1)																								
LOT	1.56	156.8	Sn	09:05:50.838	-0.2					T__				---		15294625	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.56	156.8	Pg	09:05:30.251	0.2					T__		53.3		---	MLv	15294626	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
LOT	1.56	156.8	Sn	09:05:50.367	-0.9					T__				---		15294627	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 2.1 0)																								
VOIR	2.08	133.3	Pn	09:05:37.582	1.1					T__				---		15294628	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.08	133.3	Pn	09:05:37.582	1.1					T__				---		15294629	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.08	133.3	Sn	09:06:04.241	-0.2					T__				---		15294630	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/21	10:17:35.46	0.85	0.75	47.3288	17.6654	4.2	3.2	164	0.0S		21	15	80	0.18	1.62	m	sx	BUD	15294652	iLoc		92
(description : suspected quarry blast)																						
(locality : Ugod Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.2	6 ILOC	15294652

Sta	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	0.18	208.4	Pg	10:17:39.012	-0.6					T__		1029.0		---	MLv	15294654	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.18	208.4	Lg	10:17:42.574	-0.4					T__				---		15294655	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.8 1)																								
A268A	0.20	59.6	Pg	10:17:39.869	-0.2					T__		592.4		---	MLv	15294656	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A268A	0.20	59.6	Lg	10:17:44.577	0.5					T__				---		15294657	FDSN	Z3	00	BUD	iLoc	HHN	???	_

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(Station ML : 1.6 1
EGYH 0.24 291.2 Pg 10:17:40.890 -0.0 T__ 2057.3 ___ MLv 15294658 FDSN HU -- BUD iLoc HHZ HHZ _
EGYH 0.24 291.2 Lg 10:17:45.261 0.0 T__ ___ 15294659 FDSN HU -- BUD iLoc HHN ??? _
(Station ML : 2.3 1
TIH 0.45 160.4 Lg 10:17:51.809 -0.2 T__ ___ 15294660 FDSN HU -- BUD iLoc HHE ??? _
AO03A 0.60 316.3 Lg 10:17:57.126 0.2 T__ ___ 15294661 FDSN Z3 00 BUD iLoc HH2 ??? _
SOP 0.83 295.7 Lg 10:18:04.361 1.0 T__ ___ 15294662 FDSN HU -- BUD iLoc BHN ??? _
A335A 1.21 21.7 Sn 10:18:17.197 0.2 T__ ___ 15294663 FDSN Z3 00 BUD iLoc HHE ??? _
A336A 1.28 44.3 Lg 10:18:21.146 0.3 T__ ___ 15294664 FDSN Z3 00 BUD iLoc HH2 ??? _
KOVH 1.28 166.3 Pg 10:18:01.307 0.5 T__ 52.4 ___ MLv 15294665 FDSN HU -- BUD iLoc BHZ BHZ _
KOVH 1.28 166.3 Sn 10:18:18.612 0.8 T__ ___ 15294666 FDSN HU -- BUD iLoc BHE ??? _
(Station ML : 1.9 1
MORH 1.30 148.5 Pg 10:18:01.860 0.7 T__ 17.0 ___ MLv 15294667 FDSN HU -- BUD iLoc BHZ BHZ _
MORH 1.30 148.5 Sn 10:18:17.404 -1.1 T__ ___ 15294668 FDSN HU -- BUD iLoc BHE ??? _
(Station ML : 1.5 0
KOGS 1.31 228.3 Pg 10:18:00.873 -0.3 T__ 464.3 ___ MLv 15294669 FDSN SL -- BUD iLoc BHZ BHZ _
KOGS 1.31 228.3 Sn 10:18:19.953 1.6 T__ ___ 15294670 FDSN SL -- BUD iLoc BHN ??? _
(Station ML : 2.9 0
CONA 1.36 296.8 Lg 10:18:20.007 0.3 T__ ___ 15294671 FDSN OE -- BUD iLoc BHN ??? _
KALN 1.46 215.2 Lg 10:18:24.194 1.4 T__ ___ 15294672 FDSN CR -- BUD iLoc BHE ??? _
ARSA 1.46 267.7 Lg 10:18:21.131 -0.8 T__ ___ 15294673 FDSN OE -- BUD iLoc BHE ??? _
PSZ 1.62 67.8 Lg 10:18:31.664 -0.6 T__ ___ 15294674 FDSN GE -- 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
2019/03/21	11:35:30.73	1.27	0.85	48.1863	21.1949	14.8	7.3	142	0.0S		12	7	110	0.11	1.73	m	kx BUD	15326125	iLoc			191
2019/03/21	11:35:31.66f	1.02	48.2470	21.2460f					0.0S		12		105	0.05	1.76	a	kx BUD_GT	15327637	BUD			187

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.3	3 BUD	15326125
ML	1.8	0.3	3 ILOC	15327637

Sta	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	11:35:33.482	0.2					T__		9740.4		___	MLv	15329276	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_		
ABAH	0.05	355.1	Lg	11:35:34.272	-0.6					T__				___		15329277	FDSN	HU	--	BUD	BUD	HHE	???	_		
(Station ML : 2.4 1																										
HOLU	0.81	69.3	Pn	11:35:49.097	-0.1					T__				___		15329278	FDSN	UA	--	BUD	BUD	MHZ	???	_		
HOLU	0.81	69.3	Lg	11:36:02.020	1.1					T__				___		15329279	FDSN	UA	--	BUD	BUD	MHZ	???	_		
TRPA	0.87	97.2	Pn	11:35:49.785	-0.2					T__		39.8		___	MLv	15329280	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_		
TRPA	0.87	97.2	Lg	11:36:03.040	-0.1					T__				___		15329281	FDSN	HU	--	BUD	BUD	BHE	???	_		
(Station ML : 1.6 1																										
PSZ	0.96	250.6	Pn	11:35:49.954	-1.5					T__		59.7		___	MLv	15329282	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_		
PSZ	0.96	250.6	Lg	11:36:05.123	-1.3					T__				___		15329283	FDSN	GE	--	BUD	BUD	BHN	???	_		
(Station ML : 1.8 1																										
STZU	1.19	49.4	Pn	11:35:56.338	1.5					T__				___		15329284	FDSN	UA	--	BUD	BUD	MHZ	???	_		
STZU	1.19	49.4	Sn	11:36:13.569	0.0					T__				___		15329285	FDSN	UA	--	BUD	BUD	MHZ	???	_		
NIE	1.33	332.6	Sn	11:36:16.509	0.0					T__				___		15329286	FDSN	PL	--	BUD	BUD	BHZ	???	_		
DRGR	1.76	145.2	Sn	11:36:28.857	2.1					T__				___		15329287	FDSN	RO	--	BUD	BUD	BHE	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/21	11:37:39.33	1.58	0.47	46.1161	18.0679	12.1	5.2	135	0.0S	7	4	194	0.04	1.05	m	kx	BUD	15294700	iLoc			259
2019/03/21	11:37:38.62f		0.68	46.1254	18.0152f				0.0S	7		197	0.07	1.02	a	kx	BUD_GT	15327641	BUD			248

(GT info : GT2 explosion)

(description : known quarry blast)

(locality : Bükkösd-II Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	1.2	0.6	3 BUD	15294700
ML	1.3	0.5	3 ILOC	15327641

Sta	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	122.2	Pg	11:37:40.814	0.1					T__		686.4		___	MLv	15329288	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.07	122.2	Lg	11:37:41.933	-0.7					T__				___		15329289	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 1.3 1																								
MORH	0.45	78.1	Pg	11:37:48.142	0.2					T__		12.3		___	MLv	15329290	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.45	78.1	Lg	11:37:54.656	-0.5					T__				___		15329291	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 0.6 1																								
A252A	0.70	189.7	Pg	11:37:53.672	0.8					T__		60.0		___	MLv	15329292	FDSN	Z3	--	BUD	BUD	HHZ	HHZ	_
A252A	0.70	189.7	Lg	11:38:02.821	1.0					T__				___		15329293	FDSN	Z3	--	BUD	BUD	HHE	???	_
(Station ML : 1.7 1																								
MOSL	1.02	240.3	Lg	11:38:13.105	0.8					T__				___		15329294	FDSN	CR	--	BUD	BUD	BHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/21	11:38:11.22	1.14	0.58	46.0523	18.0803	12.4	5.7	128	0.0S	5	3	185	0.04	0.64	m	sx	BUD	15294722	iLoc			313

Magnitude	Err	Nsta	Author	OrigID
ML	1.2	0.3	3 ILOC	15294722

Sta	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	0.04	20.7	Pg	11:38:12.849	0.1					T__		628.0		___	MLv	15294724	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.04	20.7	Lg	11:38:14.020	-0.2					T__				___		15294725	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.2 1																								
MORH	0.42	67.2	Pg	11:38:20.504	0.3					T__		32.5		___	MLv	15294726	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	0.42	67.2	Lg	11:38:26.386	-0.7					T__				___		15294727	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.0 1																								
A252A	0.64	194.8	Pg	11:38:24.370	0.1					T__		48.3		___	MLv	15294728	FDSN	Z3	--	BUD	iLoc	HHE	HHZ	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/25	09:40:42.97	1.11	0.21	47.8357	19.1591	7.3	3.8	178	0.0S	6	3	195	0.10	0.50	m	kx	BUD	15294742	iLoc			290
2019/03/25	09:40:43.06f		0.51	47.8355	19.1270f				0.0S	6		197	0.07	0.52	a	kx	BUD_GT	15327645	BUD			289

(GT info : GT2 explosion)

(description : known quarry blast)

(locality : Sejce-Vác Hungary)

Magnitude	Err	Nsta	Author	OrigID
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ML 1.6 0.1 3 BUD 15294742
ML 1.6 0.0 3 ILOC 15327645

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A270A	0.07	277.6	Pg	09:40:45.464	0.4					T__		2370.3		---	MLv	15329295	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A270A	0.07	277.6	Lg	09:40:47.508	0.6					T__				---		15329296	FDSN	Z3	00	BUD	BUD	HHE	???	_
				(Station ML : 1.9 1																				
A336A	0.41	347.9	Pg	09:40:51.728	0.2					T__		150.9		---	MLv	15329297	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A336A	0.41	347.9	Lg	09:40:57.909	-0.2					T__				---		15329298	FDSN	Z3	00	BUD	BUD	HH3	???	_
				(Station ML : 1.6 1																				
PSZ	0.52	80.6	Pg	09:40:53.974	-0.5					T__		70.2		---	MLv	15329299	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.52	80.6	Lg	09:41:02.015	-0.8					T__				---		15329300	FDSN	GE	--	BUD	BUD	BHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/25	10:54:50.18	1.10	1.11	47.4559	18.7151	8.6	4.9	144	0.0S		7	5	122	0.21	0.98	m	sx BUD	15294763	iLoc			175
(description : suspected quarry blast)																						
(locality : Etyek Hungary)																						

Magnitude Err Nsta Author OrigID

Sta	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	82.4	Pg	10:54:55.580	0.5					T__		191.6		---	MLv	15294765	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BUD	0.21	82.4	Lg	10:54:59.359	0.1					T__				---		15294766	FDSN	HU	--	BUD	iLoc	BHE	???	_
A336A	0.80	13.7	Lg	10:55:18.850	-0.2					T__				---		15294767	FDSN	Z3	00	BUD	iLoc	HH3	???	_
MPLH	0.85	250.8	Lg	10:55:19.600	-0.1					T__				---		15294768	FDSN	HU	--	BUD	iLoc	BHE	???	_
PSZ	0.92	59.4	Pn	10:55:09.880	0.4					T__		99.5		---	MLv	15294769	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.92	59.4	Lg	10:55:21.839	-1.9					T__				---		15294770	FDSN	GE	--	BUD	iLoc	BHN	???	_
A266A	0.98	198.5	Lg	10:55:22.975	-0.9					T__				---		15294771	FDSN	Z3	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
2019/03/25	11:23:25.00	0.23	0.34	46.1195	21.6913	3.2	1.3	108	10.4F	2.2	13	168		0.15	1.34	a	ke BUC	15271049	ISC			360
2019/03/25	11:23:24.85	0.83	0.52	46.1193	21.6852	9.8	3.2	89	4.7F	10.2	25	7	170	0.15	1.34	m	ke BUD	15294780	iLoc			222

Magnitude Err Nsta Author OrigID
ml 1.2 BUC 15271049
ML 1.5 0.4 4 ILOC 15294780

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
SIRR	0.15	354.0	Pg	11:23:28.465	0.2					T__		234.8		---	MLv	15294782	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.15	354.0	Lg	11:23:30.642	-0.3					T__				---		15294783	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	0.15	353.2	Pg	11:23:28.100	-0.1					T__		0.2		---		15294784	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.15	353.2	Lg	11:23:31.004	0.0					T__				---		15294785	FDSN	IR	--	ISC	iLoc	???	???	_
				(Station ML : 1.1 1																				
BZS	0.50	183.6	Pg	11:23:34.744	0.0					T__		42.9		---	MLv	15294786	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.50	183.6	Lg	11:23:41.455	-0.4					T__				---		15294787	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	0.51	185.5	Lg	11:23:41.667	-0.3					T__				---		15294788	FDSN	IR	--	ISC	iLoc	???	???	_
				(Station ML : 1.3 1																				
DRGR	0.98	46.2	Pn	11:23:44.285	0.0					T__				---		15294789	FDSN	IR	--	ISC	iLoc	???	???	_

DRGR	0.98	46.2	Pn	11:23:44.285	0.0	T__	---	15294790	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.98	46.2	Lg	11:23:57.154	-0.7	T__	---	15294791	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.98	46.2	Pn	11:23:44.438	0.2	T__	65.5	---	MLv	15294792	FDSN	RO	--	BUD	iLoc	BHN BHZ _
DRGR	0.98	46.2	Lg	11:23:56.974	-0.9	T__	---	15294793	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.9 1																
GZR	1.05	133.1	Pg	11:23:44.717	-0.2	T__	---	15294794	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.05	133.1	Pg	11:23:44.717	-0.2	T__	---	15294795	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.05	133.1	Pn	11:23:46.526	0.9	T__	43.3	---	MLv	15294796	FDSN	RO	--	BUD	iLoc	BHZ BHZ _
GZR	1.05	133.1	Lg	11:24:00.536	0.9	T__	---	15294797	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.05	133.1	Sn	11:24:01.421	0.0	T__	---	15294798	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 1.7 1																
MARR	1.14	60.2	Pn	11:23:47.081	0.4	T__	---	15294799	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.14	60.2	Pn	11:23:47.081	0.4	T__	---	15294800	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.14	60.2	Lg	11:24:02.166	-0.8	T__	---	15294801	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.34	179.2	Lg	11:24:08.418	-0.1	T__	---	15294802	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.34	179.2	Lg	11:24:08.418	-0.1	T__	---	15294803	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.34	157.2	Pn	11:23:50.048	0.7	T__	---	15294804	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.34	157.2	Pn	11:23:50.048	0.7	T__	---	15294805	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.34	157.2	Lg	11:24:08.254	0.2	T__	---	15294806	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/25	13:14:35.02	0.30	0.35	46.1220	21.6887	2.9	1.4	104	8.8F	3.6	11	169		0.14	1.34	a	ke BUC	15271087	ISC			360
2019/03/25	13:14:34.88	1.02	0.47	46.1226	21.6484	13.7	3.4	96	6.5F	12.8	21	6	183	0.14	1.35	m	ke BUD	15294825	iLoc			226

Magnitude	Err	Nsta	Author	OrigID
ml	1.4		BUC	15271087
ML	1.2	0.7	3 ILOC	15294825

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
SIRR	0.14	4.0	Pg	13:14:38.528	0.2	T__	---	---	---	---	---	54.0	---	---	MLv	15294827	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
SIRR	0.14	4.0	Lg	13:14:40.971	-0.0	T__	---	---	---	---	---	---	---	---	---	15294828	FDSN	RO	--	BUD	iLoc	BHE	???	_		
SIRR	0.15	3.1	Pg	13:14:38.395	0.1	T__	---	---	---	---	---	---	---	---	---	15294829	FDSN	IR	--	ISC	iLoc	???	???	_		
SIRR	0.15	3.1	Pg	13:14:38.395	0.1	T__	---	---	---	---	---	---	---	---	---	15294830	FDSN	IR	--	ISC	iLoc	???	???	_		
SIRR	0.15	3.1	Lg	13:14:40.594	-0.4	T__	---	---	---	---	---	---	---	---	---	15294831	FDSN	IR	--	ISC	iLoc	???	???	_		
(Station ML : 0.4 1																										
BZS	0.50	180.7	Pg	13:14:44.931	0.1	T__	---	---	---	---	---	32.8	---	---	MLv	15294832	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
BZS	0.50	180.7	Lg	13:14:52.002	-0.0	T__	---	---	---	---	---	---	---	---	---	15294833	FDSN	RO	--	BUD	iLoc	BHE	???	_		
BZS	0.51	182.5	Lg	13:14:51.579	-0.6	T__	---	---	---	---	---	---	---	---	---	15294834	FDSN	IR	--	ISC	iLoc	???	???	_		
(Station ML : 1.2 1																										
DRGR	0.99	47.3	Pn	13:14:54.517	0.2	T__	---	---	---	---	---	---	---	---	---	15294835	FDSN	IR	--	ISC	iLoc	???	???	_		
DRGR	0.99	47.3	Pn	13:14:54.517	0.2	T__	---	---	---	---	---	---	---	---	---	15294836	FDSN	IR	--	ISC	iLoc	???	???	_		
DRGR	0.99	47.3	Lg	13:15:06.774	-1.4	T__	---	---	---	---	---	---	---	---	---	15294837	FDSN	IR	--	ISC	iLoc	???	???	_		
DRGR	0.99	47.3	Pg	13:14:54.825	0.2	T__	---	---	---	---	---	42.9	---	---	MLv	15294838	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
DRGR	0.99	47.3	Lg	13:15:08.183	-0.0	T__	---	---	---	---	---	---	---	---	---	15294839	FDSN	RO	--	BUD	iLoc	BHZ	???	_		
(Station ML : 1.7 1																										
GZR	1.08	132.3	Pg	13:14:55.513	0.1	T__	---	---	---	---	---	---	---	---	---	15294840	FDSN	IR	--	ISC	iLoc	???	???	_		
GZR	1.08	132.3	Pg	13:14:55.513	0.1	T__	---	---	---	---	---	---	---	---	---	15294841	FDSN	IR	--	ISC	iLoc	???	???	_		
GZR	1.08	132.3	Lg	13:15:10.226	0.1	T__	---	---	---	---	---	---	---	---	---	15294842	FDSN	IR	--	ISC	iLoc	???	???	_		
MARR	1.16	60.9	Pn	13:14:56.633	-0.2	T__	---	---	---	---	---	---	---	---	---	15294843	FDSN	IR	--	ISC	iLoc	???	???	_		
MARR	1.16	60.9	Pn	13:14:56.633	-0.2	T__	---	---	---	---	---	---	---	---	---	15294844	FDSN	IR	--	ISC	iLoc	???	???	_		
MARR	1.16	60.9	Lg	13:15:12.852	-0.6	T__	---	---	---	---	---	---	---	---	---	15294845	FDSN	IR	--	ISC	iLoc	???	???	_		

HERR	1.35	156.2	Pn	13:14:59.851	0.5	T__	---	15294846	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.35	156.2	Pn	13:14:59.851	0.5	T__	---	15294847	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/25	15:37:28.84	0.31	0.41	46.1351	21.6742	3.4	1.5	100	11.3F	2.4	12	173	0.13	1.35	a	ke	BUC	15271120	ISC			360
2019/03/25	15:37:28.74	0.98	0.71	46.1284	21.6368	9.2	3.3	94	6.7F	9.3	26	7	187	0.14	1.35	m	ke	BUD	15294861	iLoc		228

Magnitude	Err	Nsta	Author	OrigID
ml	0.9		BUC	15271120
ML	1.5	0.3	4 ILOC	15294861

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
SIRR	0.14	7.6	Pg	15:37:32.129	0.1					T__		121.6		---	MLv	15294863	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.14	7.6	Lg	15:37:34.662	-0.1					T__				---		15294864	FDSN	RO	--	BUD	iLoc	BHE	???	_
SIRR	0.14	6.5	Pg	15:37:32.251	0.2					T__				---		15294865	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.14	6.5	Pg	15:37:32.251	0.2					T__				---		15294866	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 0.8 1																								
SURR	0.51	137.6	Lg	15:37:45.299	-0.5					T__				---		15294867	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.51	137.6	Lg	15:37:45.299	-0.5					T__				---		15294868	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.51	179.7	Pg	15:37:38.828	0.0					T__		40.3		---	MLv	15294869	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.51	179.7	Lg	15:37:45.539	-0.6					T__				---		15294870	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	0.51	181.6	Pg	15:37:39.018	0.2					T__				---		15294871	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.51	181.6	Pg	15:37:39.018	0.2					T__				---		15294872	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.51	181.6	Lg	15:37:45.869	-0.3					T__				---		15294873	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.3 1																								
DRGR	1.00	47.8	Pn	15:37:47.983	-0.2					T__				---		15294874	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.00	47.8	Pn	15:37:47.983	-0.2					T__				---		15294875	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.00	47.8	Lg	15:38:00.870	-1.2					T__				---		15294876	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.00	47.8	Pg	15:37:48.998	0.5					T__		41.0		---	MLv	15294877	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	1.00	47.8	Lg	15:38:00.492	-1.6					T__				---		15294878	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.7 1																								
GZR	1.09	132.2	Pg	15:37:49.812	0.4					T__				---		15294879	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.09	132.2	Pg	15:37:49.812	0.4					T__				---		15294880	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.09	132.2	Pn	15:37:50.701	1.0					T__		36.0		---	MLv	15294881	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.09	132.2	Lg	15:38:05.053	0.7					T__				---		15294882	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.09	132.2	Sn	15:38:05.358	-0.2					T__				---		15294883	FDSN	RO	--	BUD	iLoc	BHZ	???	_
(Station ML : 1.7 1																								
MARR	1.16	61.4	Pn	15:37:50.977	0.3					T__				---		15294884	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.16	61.4	Pn	15:37:50.977	0.3					T__				---		15294885	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.16	61.4	Lg	15:38:05.699	-1.7					T__				---		15294886	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.35	177.7	Sn	15:38:12.279	0.5					T__				---		15294887	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.35	177.7	Sn	15:38:12.279	0.5					T__				---		15294888	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/26	11:14:53.92	0.27	0.42	46.8492	22.8731	2.5	1.3	158	3.0A		19	179	0.12	2.07	a	ke	BUC	15271159	ISC			360
2019/03/26	11:14:52.94	1.33	0.63	46.8747	22.8778	10.0	4.4	172	0.0S		38	10	189	0.14	2.08	m	sx	BUD	15294906	iLoc		203

Magnitude	Err	Nsta	Author	OrigID
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m1 1.7 BUC 15271159
 ML 1.9 0.3 4 ILOC 15294906

Sta	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	0.14	234.1	Pg	11:14:56.226	0.1					T__		1214.2		---	MLv	15294908	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.14	234.1	Lg	11:14:59.108	0.2					T__				---		15294909	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.14	234.1	Pg	11:14:56.125	-0.0					T__				---		15294910	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.14	234.1	Pg	11:14:56.125	-0.0					T__		0.1		---		15294911	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.14	234.1	Lg	11:14:58.754	-0.1					T__		0.1		---		15294912	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.14	234.1	Lg	11:14:58.754	-0.1					T__				---		15294913	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.8 1)																								
MARR	0.26	140.1	Pg	11:14:58.135	-0.3					T__				---		15294914	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.26	140.1	Pg	11:14:58.135	-0.3					T__		0.1		---		15294915	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.26	140.1	Lg	11:15:01.974	-1.0					T__		0.1		---		15294916	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.26	140.1	Lg	11:15:01.974	-1.0					T__				---		15294917	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	1.03	77.7	Lg	11:15:27.903	0.0					T__				---		15294918	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	1.03	77.7	Lg	11:15:27.903	0.0					T__				---		15294919	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.04	234.4	Pg	11:15:13.104	-0.7					T__		24.8		---	MLv	15294920	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	1.04	234.4	Lg	11:15:28.336	-0.2					T__				---		15294921	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	1.04	234.6	Pg	11:15:13.227	-0.6					T__				---		15294922	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.04	234.6	Pg	11:15:13.227	-0.6					T__				---		15294923	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.04	234.6	Lg	11:15:27.207	-1.3					T__				---		15294924	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.5 1)																								
SURR	1.24	205.2	Pg	11:15:17.531	0.8					T__				---		15294925	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.24	205.2	Pg	11:15:17.531	0.8					T__				---		15294926	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.24	205.2	Lg	11:15:33.533	-0.4					T__				---		15294927	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.48	182.8	Pg	11:15:21.183	0.1					T__				---		15294928	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.48	182.8	Pg	11:15:21.183	0.1					T__				---		15294929	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.48	182.8	Pg	11:15:21.534	0.5					T__		41.6		---	MLv	15294930	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.48	182.8	Lg	11:15:41.890	-0.3					T__				---		15294931	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.48	182.8	Lg	11:15:42.186	0.0					T__				---		15294932	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.9 1)																								
BZS	1.52	214.8	Lg	11:15:43.018	0.2					T__				---		15294933	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	1.53	215.3	Pn	11:15:21.702	1.0					T__				---		15294934	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.53	215.3	Pn	11:15:21.702	1.0					T__				---		15294935	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.53	215.3	Lg	11:15:43.344	0.1					T__				---		15294936	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.56	156.2	Sn	11:15:43.537	-0.1					T__				---		15294937	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.56	156.2	Pg	11:15:22.769	0.1					T__		71.8		---	MLv	15294938	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
LOT	1.56	156.2	Sn	11:15:43.832	0.1					T__				---		15294939	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 2.2 1)																								
BURAR	1.76	64.2	Pn	11:15:25.343	0.8					T__				---		15294940	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	1.76	64.2	Pn	11:15:25.343	0.8					T__				---		15294941	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	1.76	64.2	Sn	11:15:49.874	0.9					T__				---		15294942	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.08	132.8	Pn	11:15:30.380	1.2					T__				---		15294943	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.08	132.8	Pn	11:15:30.380	1.2					T__				---		15294944	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.08	132.8	Sn	11:15:57.712	0.6					T__				---		15294945	FDSN	IR	--	ISC	iLoc	???	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/03/27 10:06:15.38 0.96 1.64 48.7028 20.7305 5.2 4.3 91 0.0S 14 7 96 0.27 1.29 m sx BUD 15294967 iLoc 186
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.1	3 ILOC	15294967

Sta	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	0.27	216.6	Pg	10:06:21.223	0.2					T__		628.7		---	MLv	15294969	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.27	216.6	Lg	10:06:24.311	-1.0					T__				---		15294970	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.27	216.6	Lg	10:06:25.200	-0.1					T__		0.6		---		15294971	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.9 1																								
ABAH	0.53	140.0	Pg	10:06:26.734	0.7					T__		71.7		---	MLv	15294972	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.53	140.0	Pn	10:06:27.300	-2.9					T__		0.1		---		15294973	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.53	140.0	Lg	10:06:33.036	-2.0					T__				---		15294974	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.6 1																								
NIE	0.77	338.6	Pg	10:06:30.400	0.5					T__		0.0		---		15294975	FDSN	IR	--	ISC	iLoc	???	???	_
NIE	0.77	338.6	Lg	10:06:38.900	-2.0					T__		0.0		---		15294976	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.96	215.7	Pg	10:06:36.000	0.4					T__		0.1		---		15294977	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.96	215.7	Pn	10:06:35.235	-0.0					T__		60.1		---	MLv	15294978	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.96	215.7	Lg	10:06:48.664	-1.3					T__				---		15294979	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.8 1																								
HOLU	1.11	98.5	Pn	10:06:39.243	2.1					T__				---		15294980	FDSN	UA	--	BUD	iLoc	MHZ	???	_
A336A	1.24	248.5	Lg	10:07:00.153	1.0					T__				---		15294981	FDSN	Z3	00	BUD	iLoc	HH3	???	_
STZU	1.29	75.2	Pn	10:06:42.039	2.1					T__				---		15294982	FDSN	UA	--	BUD	iLoc	MHZ	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/27	18:10:28.89	0.31	0.82	46.1027	16.4295				4.8	1.5	29	16	88	0.03	1.31	m	ke BUD	15236417	sysop@krszo			360
2019/03/27	18:10:28.80		0.30	46.1160	16.4420				2.6A							a	ke LJU	15271239	ISC			360
2019/03/27	18:10:28.31	0.85	0.90	46.1173	16.4486	3.1	2.4	128	0.2F	1.1	37	19	71	0.01	1.30	m	ke BUD_GT	15295001	iLoc			103

(GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)

Magnitude	Err	Nsta	Author	OrigID
M	1.9	11	BUD	15236417
MLv	1.9	0.1	11 BUD	15236417
ML	1.1		LJU	15271239
ML	1.9	0.1	13 ILOC	15295001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
KALN	0.01	18.9	Pg	18:10:29.477	0.5					T__		3140.6		---	MLv	15295003	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
KALN	0.01	18.9	Lg	18:10:30.179	0.3					T__				---		15295004	FDSN	CR	--	BUD	iLoc	BHE	???	_
KALN	0.01	19.7	Lg	18:10:30.060	0.1					T__				---		15295005	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.8 1																								
LOBO	0.27	278.3	Pg	18:10:33.600	-0.3					T__				---		15295006	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.27	278.3	Lg	18:10:37.580	-0.3					T__				---		15295007	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.36	337.5	Lg	18:10:41.210	0.5					T__				---		15295008	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.36	337.5	IAML	18:10:41.600	-99.0					---		7.0	0.07	---		15295009	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.36	337.5	Pg	18:10:35.870	0.2					T__		437.4		---	MLv	15295010	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.36	337.5	Lg	18:10:40.704	-0.0					T__				---		15295011	FDSN	SL	--	BUD	iLoc	BHN	???	_
(Station ML : 1.9 1																								
PTJ	0.40	238.1	Pg	18:10:36.896	0.7					T__		113.4		---	MLv	15295012	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.40	238.1	Lg	18:10:41.929	0.1					T__				---		15295013	FDSN	CR	--	BUD	iLoc	BHE	???	_
PTJ	0.40	238.0	Pg	18:10:36.430	-0.1					T__				---		15295014	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.40	238.0	Lg	18:10:42.280	-0.2					T__				---		15295015	FDSN	IR	--	ISC	iLoc	???	???	_

(Station ML : 1.5 0																								
BEHE 0.42 32.6 Pg	18:10:37.447	0.2	T__	183.6	---	MLv	15295016	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_									
BEHE 0.42 32.6 Lg	18:10:44.114	0.7	T__		---		15295017	FDSN	HU	--	BUD	iLoc	BHN	???	_									
(Station ML : 1.7 1																								
ZAG 0.43 228.1 Pg	18:10:37.507	0.6	T__	388.9	---	MLv	15295018	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_									
ZAG 0.43 228.1 Lg	18:10:44.145	1.1	T__		---		15295019	FDSN	CR	--	BUD	iLoc	BHE	???	_									
(Station ML : 2.1 0																								
MOSL 0.55 156.9 Pg	18:10:39.214	-0.3	T__	229.9	---	MLv	15295020	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_									
MOSL 0.55 156.9 Lg	18:10:46.645	-0.3	T__		---		15295021	FDSN	CR	--	BUD	iLoc	BHE	???	_									
(Station ML : 2.2 0																								
DARVA 0.57 66.2 Pn	18:10:42.012	-1.6	T__	97.6	---	MLv	15295022	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_									
DARVA 0.57 66.2 Lg	18:10:49.364	1.3	T__		---		15295023	FDSN	HU	--	BUD	iLoc	HHN	???	_									
(Station ML : 1.8 1																								
GOLS 0.58 259.8 Pg	18:10:40.800	1.0	T__		---		15295024	FDSN	IR	--	ISC	iLoc	???	???	_									
GOLS 0.58 259.8 IAML	18:10:53.830	-99.0	---	3.2	0.14	---	15295025	FDSN	IR	--	ISC	iLoc	???	???	_									
A264A 0.59 85.6 Pg	18:10:40.973	0.5	T__	135.7	---	MLv	15295026	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_									
A264A 0.59 85.6 Lg	18:10:49.747	1.2	T__		---		15295027	FDSN	Z3	00	BUD	iLoc	HHN	???	_									
(Station ML : 2.0 1																								
GCIS 0.62 246.7 Pg	18:10:40.930	0.5	T__		---		15295028	FDSN	IR	--	ISC	iLoc	???	???	_									
GCIS 0.62 246.7 IAML	18:10:53.680	-99.0	---	4.7	0.14	---	15295029	FDSN	IR	--	ISC	iLoc	???	???	_									
A262A 0.75 4.2 Pn	18:10:44.961	-0.4	T__	121.1	---	MLv	15295030	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_									
A262A 0.75 4.2 Sn	18:10:55.125	-2.3	T__		---		15295031	FDSN	Z3	00	BUD	iLoc	HHE	???	_									
(Station ML : 2.0 1																								
A021A 0.77 326.2 Pn	18:10:44.946	-0.8	T__	136.6	---	MLv	15295032	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_									
A021A 0.77 326.2 Sn	18:10:56.026	-1.9	T__		---		15295033	FDSN	Z3	00	BUD	iLoc	HHZ	???	_									
(Station ML : 2.1 1																								
A263A 0.80 48.6 Sn	18:10:57.356	-1.3	T__		---		15295034	FDSN	Z3	00	BUD	iLoc	HHN	???	_									
A261A 0.96 29.8 Lg	18:11:01.060	-0.2	T__		---		15295035	FDSN	Z3	00	BUD	iLoc	HHN	???	_									
A265A 0.98 71.3 Lg	18:11:02.455	0.7	T__		---		15295036	FDSN	Z3	00	BUD	iLoc	HHN	???	_									
KOVH 1.15 90.9 Pn	18:10:49.412	-1.2	T__	38.8	---	MLv	15295037	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_									
KOVH 1.15 90.9 Lg	18:11:06.353	-0.1	T__		---		15295038	FDSN	HU	--	BUD	iLoc	BHN	???	_									
(Station ML : 1.7 0																								
A252A 1.19 124.3 Pg	18:10:51.179	-0.6	T__	57.1	---	MLv	15295039	FDSN	Z3	--	BUD	iLoc	HHZ	HHZ	_									
A252A 1.19 124.3 Lg	18:11:07.067	0.3	T__		---		15295040	FDSN	Z3	--	BUD	iLoc	HHE	???	_									
(Station ML : 1.9 1																								
ARSA 1.30 331.0 Pn	18:10:51.954	-1.3	T__	42.6	---	MLv	15295041	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_									
ARSA 1.30 331.0 Lg	18:11:09.451	-0.3	T__		---		15295042	FDSN	OE	--	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
2019/03/29	10:36:11.20	0.84	0.77	47.8247	19.1537	4.5	3.3	173	0.0S		13	9	115	0.09	1.43	m	kx	BUD	15295099	iLoc		171
2019/03/29	10:36:11.43f	0.72	0.72	47.8355	19.1270f				0.0S		13		110	0.07	1.41	a	kx	BUD_GT	15327653	BUD		168
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Sejce-Vác Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.3	4 BUD	15295099
ML	2.0	0.2	4 ILOC	15327653

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A270A	0.07	277.6	Pg	10:36:13.948	0.5					T__		4668.7		---	MLv	15329301	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_

A270A	0.07	277.6	Lg	10:36:15.349	0.1	T__	---	15329302	FDSN	Z3	00	BUD	BUD	HHE	???	_		
(Station ML : 2.2 1																		
BUD	0.36	191.2	Lg	10:36:25.010	-0.5	T__	---	15329303	FDSN	HU	--	BUD	BUD	BHN	???	_		
A336A	0.41	347.9	Pg	10:36:20.887	1.0	T__	211.5	---	MLv	15329304	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A336A	0.41	347.9	Lg	10:36:26.160	-0.3	T__	---	15329305	FDSN	Z3	00	BUD	BUD	HH3	???	_		
(Station ML : 1.8 1																		
PSZ	0.52	80.6	Pg	10:36:22.618	-0.2	T__	130.6	---	MLv	15329306	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.52	80.6	Lg	10:36:30.455	-0.8	T__	---	15329307	FDSN	GE	--	BUD	BUD	BHN	???	_		
(Station ML : 1.9 1																		
A269A	0.54	248.9	Pn	10:36:25.236	-1.1	T__	224.6	---	MLv	15329308	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A269A	0.54	248.9	Lg	10:36:33.165	1.5	T__	---	15329309	FDSN	Z3	00	BUD	BUD	HHN	???	_		
(Station ML : 2.2 1																		
A338A	0.55	289.3	Lg	10:36:32.087	0.1	T__	---	15329310	FDSN	Z3	00	BUD	BUD	HH2	???	_		
A335A	0.81	319.4	Lg	10:36:40.795	0.3	T__	---	15329311	FDSN	Z3	00	BUD	BUD	HHE	???	_		
KECS	1.12	54.0	Sn	10:36:50.302	-0.2	T__	---	15329312	FDSN	SK	--	BUD	BUD	EHN	???	_		
JAVC	1.41	317.1	Lg	10:37:00.379	-0.8	T__	---	15329313	FDSN	CZ	--	BUD	BUD	BHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/03/30	10:06:35.20	1.00	1.75	46.1643	18.3013	9.9	3.6	157	0.0S	6	4	163	0.16	1.28	m	kx	BUD	15295131	iLoc		245	
2019/03/30	10:06:35.13f		1.29	46.1765	18.2926f				0.0S	6		155	0.16	1.28	a	kx	BUD_GT	15327657	BUD		239	

(GT info : GT2 explosion)
(description : known quarry blast)
(locality : Koml6-II Hungary)

Magnitude Err Nsta Author OrigID

Sta	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	236.7	Pg	10:06:38.871	-0.1					T__		403.0		---	MLv	15329314	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.16	236.7	Lg	10:06:42.021	-0.1					T__				---		15329315	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.25	80.7	Pg	10:06:40.703	0.1					T__	73.5			---	MLv	15329316	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.25	80.7	Lg	10:06:44.850	-0.2					T__				---		15329317	FDSN	HU	--	BUD	BUD	BHN	???	_
A266A	0.35	356.8	Lg	10:06:48.683	0.1					T__				---		15329318	FDSN	Z3	00	BUD	BUD	HHN	???	_
KALN	1.28	268.6	Sn	10:07:20.407	3.1					T__				---		15329319	FDSN	CR	--	BUD	BUD	BHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/04/01	11:15:54.62	0.24	0.32	46.1286	21.7329	2.5	1.3	105	9.5F	2.5	12	153	0.15	1.58	a	ke	BUC	15271267	ISC		360		
2019/04/01	11:15:54.09	1.23	0.60	46.1373	21.6242	15.0	4.6	106	11.9F	11.9	24	7	193	0.13	1.65	m	ke	BUD	15295147	iLoc		229	

Magnitude Err Nsta Author OrigID

m1 1.3 BUC 15271267
ML 1.4 0.4 4 ILOC 15295147

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
SIRR	0.13	11.9	Pg	11:15:57.747	0.0					T__		79.2		---	MLv	15295149	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.13	11.9	Lg	11:16:00.420	-0.1					T__				---		15295150	FDSN	RO	--	BUD	iLoc	BHE	???	_
SIRR	0.13	10.7	Lg	11:16:00.562	0.0					T__	0.1			---		15295151	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.13	10.7	Lg	11:16:00.562	0.0					T__				---		15295152	FDSN	IR	--	ISC	iLoc	???	???	_

(Station ML : 0.6 1

BZS	0.52	178.8	Pg	11:16:04.236	-0.2	T__	25.1	---	MLv	15295153	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.52	178.8	Lg	11:16:11.575	-0.1	T__		---		15295154	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	0.52	180.6	Pg	11:16:04.468	0.0	T__		---		15295155	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.52	180.6	Pg	11:16:04.468	0.0	T__		---		15295156	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.1 1																		
DRGR	1.00	48.5	Pn	11:16:13.244	0.3	T__		---		15295157	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.00	48.5	Pn	11:16:13.244	0.3	T__		---		15295158	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.00	48.5	Lg	11:16:25.427	-1.8	T__		---		15295159	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.00	48.5	Pg	11:16:13.824	-0.0	T__	41.7	---	MLv	15295160	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	1.00	48.5	Lg	11:16:26.650	-0.6	T__		---		15295161	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 1.7 1																		
GZR	1.10	132.3	Pg	11:16:14.984	-0.0	T__		---		15295162	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.10	132.3	Pg	11:16:14.984	-0.0	T__		---		15295163	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.10	132.3	Pg	11:16:16.031	1.0	T__	29.1	---	MLv	15295164	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.10	132.3	Sn	11:16:29.259	-0.9	T__		---		15295165	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.6 1																		
MARR	1.17	61.9	Pn	11:16:16.107	0.6	T__		---		15295166	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.17	61.9	Pn	11:16:16.107	0.6	T__		---		15295167	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.17	61.9	Sn	11:16:31.553	-0.6	T__		---		15295168	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.37	155.8	Pg	11:16:19.597	-0.4	T__		---		15295169	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.37	155.8	Pg	11:16:19.597	-0.4	T__		---		15295170	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.65	113.9	Sn	11:16:44.183	0.2	T__		---		15295171	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.65	113.9	Sn	11:16:44.183	0.2	T__		---		15295172	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/04/01	13:00:45.45	0.47	0.41	46.6956	22.2368	4.6	1.3	146	6.1F	2.5	15	210	0.34	2.32	a	ke	BUC	15271305	ISC			360
2019/04/01	13:00:44.43	1.26	0.76	46.7163	22.2276	10.6	3.2	147	0.0S	31	9	215	0.34	2.34	m	sx	BUD	15295191	iLoc			236
(description : suspected quarry blast)																						
(locality : Coasta-Morii Romania)																						

Magnitude	Err	Nsta	Author	OrigID
ml	1.4		BUC	15271305
ML	1.5	0.3	4 ILOC	15295191

Sta	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	0.34	77.0	Pg	13:00:51.912	0.4	T__										15295193	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.34	77.0	Pg	13:00:51.912	0.4	T__										15295194	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.34	77.0	Lg	13:00:56.679	-0.6	T__										15295195	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.34	77.0	Pg	13:00:51.577	0.1	T__					108.6					15295196	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.34	77.0	Lg	13:00:56.972	-0.3	T__										15295197	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.3 1																								
SIRR	0.60	221.4	Pg	13:00:57.112	0.4	T__										15295198	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.60	221.4	Pg	13:00:57.112	0.4	T__										15295199	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.60	221.4	Lg	13:01:04.983	-0.9	T__										15295200	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.60	221.1	Pg	13:00:56.361	-0.3	T__					28.7					15295201	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.60	221.1	Lg	13:01:05.318	-0.6	T__										15295202	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 1.3 1																								
MARR	0.61	93.4	Pg	13:00:57.064	0.3	T__										15295203	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.61	93.4	Pg	13:00:57.064	0.3	T__										15295204	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.61	93.4	Lg	13:01:06.117	-0.5	T__										15295205	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.94	89.7	Lg	13:01:16.408	-0.9	T__										15295206	FDSN	RO	--	BUD	iLoc	BHN	???	_

CJR	0.94	89.7	Lg	13:01:16.999	-0.3	T__								15295207	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.94	89.7	Lg	13:01:16.999	-0.3	T__								15295208	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.97	184.3	Pg	13:01:03.111	0.1	T__								15295209	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.97	184.3	Pg	13:01:03.111	0.1	T__								15295210	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.97	184.3	Lg	13:01:16.842	0.4	T__								15295211	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.17	200.6	Pn	13:01:07.960	0.9	T__				33.1		MLv		15295212	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	1.17	200.6	Lg	13:01:23.638	0.1	T__								15295213	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	1.18	201.3	Pn	13:01:07.455	0.3	T__								15295214	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.18	201.3	Pn	13:01:07.455	0.3	T__								15295215	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.7 1																						
GZR	1.38	163.7	Pg	13:01:11.628	1.1	T__				52.9		MLv		15295216	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.38	163.7	Sn	13:01:29.643	-0.4	T__								15295217	FDSN	RO	--	BUD	iLoc	BHN	???	_
GZR	1.38	163.7	Sn	13:01:29.924	-0.1	T__								15295218	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.0 1																						
LOT	1.66	139.2	Lg	13:01:38.127	-1.8	T__								15295219	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.66	139.2	Lg	13:01:38.127	-1.8	T__								15295220	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.66	139.3	Lg	13:01:39.923	-0.2	T__								15295221	FDSN	RO	--	BUD	iLoc	BHN	???	_
VOIR	2.34	122.1	Sn	13:01:53.342	-1.2	T__								15295222	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.34	122.1	Sn	13:01:53.342	-1.2	T__								15295223	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/04/02	07:55:35.71	1.25	1.05	48.7488	20.8090	8.1	5.7	148	0.0S	7	5	124	0.34	1.33	m	sx	BUD	15295241	iLoc			247
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

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	0.34	219.0	Pg	07:55:43.138	0.5					T__		499.4			MLv	15295243	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.34	219.0	Lg	07:55:47.433	-0.5					T__						15295244	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.54	147.5	Pg	07:55:47.206	0.7					T__		72.2			MLv	15295245	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.54	147.5	Lg	07:55:54.135	-1.4					T__						15295246	FDSN	HU	--	BUD	iLoc	HHE	???	_
STHS	0.73	23.0	Lg	07:55:59.200	-0.8					T__						15295247	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	1.03	216.6	Lg	07:56:11.775	-0.8					T__						15295248	FDSN	GE	--	BUD	iLoc	BHE	???	_
VYHS	1.33	259.7	Sn	07:56:20.880	0.2					T__						15295249	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
2019/04/02	10:31:23.80	1.17	0.82	48.2103	21.2498	7.9	6.1	176	0.0S	17	11	108	0.09	1.73	m	kx	BUD	15295258	iLoc			174
2019/04/02	10:31:24.24f		0.83	48.2470	21.2460f				0.0S	17		105	0.05	1.76	a	kx	BUD_GT	15327667	BUD			171
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Tallya Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.1	4 BUD	15295258
ML	2.1	0.1	4 ILOC	15327667

Sta	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	10:31:25.997	0.2	T__	28846.7	---	MLv	15329320	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
ABAH	0.05	355.1	Lg	10:31:26.646	-0.8	T__		---		15329321	FDSN	HU	--	BUD	BUD	HHE	???	_
(Station ML : 2.9 1																		
KECS	0.56	295.3	Pg	10:31:35.887	0.4	T__	204.7	---	MLv	15329322	FDSN	SK	--	BUD	BUD	EHE	EHZ	_
KECS	0.56	295.3	Lg	10:31:43.781	-0.3	T__		---		15329323	FDSN	SK	--	BUD	BUD	EHN	???	_
(Station ML : 2.1 1																		
HOLU	0.81	69.3	Pn	10:31:41.788	0.1	T__		---		15329324	FDSN	UA	--	BUD	BUD	MHZ	???	_
HOLU	0.81	69.3	Lg	10:31:54.220	0.8	T__		---		15329325	FDSN	UA	--	BUD	BUD	MHZ	???	_
PSZ	0.96	250.6	Pn	10:31:43.450	-0.6	T__	90.8	---	MLv	15329326	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.96	250.6	Lg	10:31:57.517	-1.5	T__		---		15329327	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 2.0 1																		
KOLS	0.97	44.4	Pn	10:31:44.586	0.4	T__		---		15329328	FDSN	SK	--	BUD	BUD	HHZ	???	_
KOLS	0.97	44.4	Lg	10:31:58.686	0.2	T__		---		15329329	FDSN	SK	--	BUD	BUD	HHE	???	_
STHS	1.17	359.9	Sn	10:32:06.501	1.0	T__		---		15329330	FDSN	SK	--	BUD	BUD	EHE	???	_
STZU	1.19	49.4	Pn	10:31:47.742	0.3	T__		---		15329331	FDSN	UA	--	BUD	BUD	MHZ	???	_
LANs	1.49	308.2	Lg	10:32:15.958	1.9	T__		---		15329332	FDSN	SK	--	BUD	BUD	EHE	???	_
MEZ	1.54	79.1	Lg	10:32:15.621	-0.8	T__		---		15329333	FDSN	UA	--	BUD	BUD	BHN	???	_
VYHS	1.63	279.6	Lg	10:32:19.334	-0.6	T__		---		15329334	FDSN	SK	--	BUD	BUD	HHN	???	_
DRGR	1.76	145.2	Pg	10:31:57.504	-1.3	T__	48.2	---	MLv	15329335	FDSN	RO	--	BUD	BUD	BHZ	BHZ	_
DRGR	1.76	145.2	Sn	10:32:19.256	-0.1	T__		---		15329336	FDSN	RO	--	BUD	BUD	BHE	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/04/03 08:40:25.74 1.39 0.34 47.3502 18.4067 11.4 6.4 150 0.0S 8 7 111 0.10 1.28 m sx BUD 15295294 iLoc 132
 (description : suspected quarry blast)
 (locality : Iszkaszentgyörgy Hungary)

Magnitude Err Nsta Author OrigID

Sta	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	277.5	Pg	08:40:28.642	0.2					T__		1396.6		---	MLv	15295296	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.10	277.5	Lg	08:40:30.529	-0.5					T__				---		15295297	FDSN	HU	--	BUD	iLoc	HHN	???	_
A270A	0.65	39.7	Lg	08:40:49.561	-0.2					T__				---		15295298	FDSN	Z3	00	BUD	iLoc	HHN	???	_
EGYH	0.73	275.6	Sn	08:40:54.791	-0.3					T__				---		15295299	FDSN	HU	--	BUD	iLoc	HHE	???	_
MORH	1.15	171.7	Sn	08:41:04.954	-0.2					T__				---		15295300	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	1.16	60.0	Sn	08:41:06.295	0.1					T__				---		15295301	FDSN	GE	--	BUD	iLoc	HHZ	???	_
VYHS	1.18	14.0	Sn	08:41:06.948	0.1					T__				---		15295302	FDSN	SK	--	BUD	iLoc	HHN	???	_
KOVH	1.28	189.6	Lg	08:41:09.626	-0.3					T__				---		15295303	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
 2019/04/03 09:30:32.97 0.86 1.29 46.8970 17.4113 5.4 3.8 128 0.0S 25 13 71 0.19 1.47 m kx BUD 15295308 iLoc 104
 2019/04/03 09:30:32.79f 1.99 46.8548 17.2699f 0.0S 25 78 0.13 1.44 a kx BUD_GT 15327673 BUD 97
 (GT info : GT2 explosion)
 (description : known quarry blast)
 (locality : Várvölgy Hungary)

Magnitude Err Nsta Author OrigID
 ML 2.1 0.2 8 BUD 15295308
 ML 2.1 0.2 8 ILOC 15327673

Sta	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	09:30:35.855	-0.2					T__		13573.3		---	MLv	15329337	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A261A	0.13	319.5	Lg	09:30:43.814	5.1					T__				---		15329338	FDSN	Z3	00	BUD	BUD	HHN	???	_
(Station ML : 2.8 0)																								
A263A	0.22	171.8	Lg	09:30:44.509	3.1					T__				---		15329339	FDSN	Z3	00	BUD	BUD	HHN	???	_
MPLH	0.37	30.2	Pg	09:30:38.700	-2.0					T__		0.9		---		15329340	FDSN	IR	--	ISC	BUD	???	???	_
MPLH	0.37	30.2	Pg	09:30:39.262	-1.3					T__		904.5		---	MLv	15329341	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MPLH	0.37	30.2	Lg	09:30:44.437	-2.2					T__				---		15329342	FDSN	HU	--	BUD	BUD	BHN	???	_
MPLH	0.37	30.2	Lg	09:30:45.700	-1.1					T__		0.9		---		15329343	FDSN	IR	--	ISC	BUD	???	???	_
(Station ML : 2.3 1)																								
BEHE	0.51	221.7	Pn	09:30:47.384	0.0					T__		315.4		---	MLv	15329345	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
BEHE	0.51	221.7	Sn	09:30:58.535	1.7					T__				---		15329346	FDSN	HU	--	BUD	BUD	BHE	???	_
(Station ML : 2.2 1)																								
EGYH	0.56	4.3	Lg	09:30:54.353	1.1					T__				---		15329344	FDSN	HU	--	BUD	BUD	HHE	???	_
A266A	0.76	115.3	Sn	09:31:01.891	-0.5					T__				---		15329347	FDSN	Z3	00	BUD	BUD	HHN	???	_
KOGS	0.81	240.3	Pn	09:30:50.464	-0.2					T__		393.6		---	MLv	15329349	FDSN	SL	--	BUD	BUD	BHZ	BHZ	_
KOGS	0.81	240.3	Pn	09:30:52.100	1.5					T__		0.4		---		15329351	FDSN	IR	--	ISC	BUD	???	???	_
KOGS	0.81	240.3	Sn	09:31:05.504	1.9					T__				---		15329350	FDSN	SL	--	BUD	BUD	BHN	???	_
(Station ML : 2.5 1)																								
CSKK	0.85	52.7	Lg	09:31:00.078	-3.8					T__				---		15329348	FDSN	HU	--	BUD	BUD	HHE	???	_
KALN	0.92	218.2	Sn	09:31:07.949	1.7					T__				---		15329354	FDSN	CR	--	BUD	BUD	BHE	???	_
KOVH	0.96	142.9	Pg	09:30:52.107	-0.0					T__		61.4		---	MLv	15329352	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.96	142.9	Lg	09:31:06.061	0.3					T__				---		15329353	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 1.8 1)																								
MORH	1.14	123.5	Pn	09:30:54.049	-0.7					T__		15.3		---	MLv	15329355	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	1.14	123.5	Sn	09:31:10.188	-1.5					T__				---		15329356	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	1.14	123.5	Sn	09:31:11.600	-0.1					T__		0.0		---		15329357	FDSN	IR	--	ISC	BUD	???	???	_
(Station ML : 1.3 0)																								
MOSL	1.29	196.3	Pg	09:30:59.206	1.0					T__		62.6		---	MLv	15329358	FDSN	CR	--	BUD	BUD	BHZ	BHZ	_
MOSL	1.29	196.3	Sn	09:31:19.488	4.0					T__				---		15329359	FDSN	CR	--	BUD	BUD	BHN	???	_
(Station ML : 2.0 1)																								
CONA	1.44	318.8	Pn	09:30:59.664	0.1					T__		51.3		---	MLv	15329360	FDSN	OE	--	BUD	BUD	BHZ	BHZ	_
CONA	1.44	318.8	Lg	09:31:21.757	2.0					T__				---		15329361	FDSN	OE	--	BUD	BUD	BHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2019/04/03	10:30:18.75	0.28	0.32	46.8626	22.8622	2.2	1.4	159	3.1F	1.6	16	187		0.13	1.77	a	ke BUC	15271364	ISC			360		
2019/04/03	10:30:17.91	2.08	0.52	46.8740	22.8667	17.3	5.7	173	0.0S		27	8	190	0.13	1.76	m	sx BUD	15295372	iLoc			264		
(description : suspected quarry blast)																								
(locality : Poieni Romania)																								

Magnitude	Err	Nsta	Author	OrigID
ml	1.8		BUC	15271364
ML	1.6	0.4	4 ILOC	15295372

Sta	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	0.13	232.4	Pg	10:30:20.895	-0.1					T__		349.2		---	MLv	15295374	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.13	232.4	Lg	10:30:23.745	0.1					T__				---		15295375	FDSN	RO	--	BUD	iLoc	BHE	???	_
DRGR	0.13	232.4	Lg	10:30:23.524	-0.1					T__		0.1		---		15295376	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.13	232.4	Lg	10:30:23.524	-0.1					T__				---		15295377	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.2 1)																								

MARR	0.26	138.7	Pg	10:30:23.353	-0.1	T__	---	15295378	FDSN	IR	--	ISC	iLoc	???	???	_		
MARR	0.26	138.7	Pg	10:30:23.353	-0.1	T__	---	15295379	FDSN	IR	--	ISC	iLoc	???	???	_		
MARR	0.26	138.7	Lg	10:30:27.555	-0.5	T__	---	15295380	FDSN	IR	--	ISC	iLoc	???	???	_		
SIRR	1.03	234.2	Pn	10:30:37.791	-0.8	T__	24.3	---	MLv	15295381	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	1.03	234.2	Lg	10:30:52.549	-0.8	T__	---	15295382	FDSN	RO	--	BUD	iLoc	BHN	???	_		
SIRR	1.03	234.4	Pn	10:30:38.365	-0.3	T__	---	15295383	FDSN	IR	--	ISC	iLoc	???	???	_		
SIRR	1.03	234.4	Pn	10:30:38.365	-0.3	T__	0.1	---	15295384	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.5 1																		
SURR	1.23	204.9	Pg	10:30:41.907	0.3	T__	---	15295385	FDSN	IR	--	ISC	iLoc	???	???	_		
SURR	1.23	204.9	Pg	10:30:41.907	0.3	T__	---	15295386	FDSN	IR	--	ISC	iLoc	???	???	_		
SURR	1.23	204.9	Sn	10:30:59.552	-0.1	T__	---	15295387	FDSN	IR	--	ISC	iLoc	???	???	_		
GZR	1.48	182.5	Pg	10:30:46.455	0.4	T__	43.2	---	MLv	15295388	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.48	182.5	Sn	10:31:06.493	0.2	T__	---	15295389	FDSN	RO	--	BUD	iLoc	BHN	???	_		
(Station ML : 2.0 1																		
BZS	1.52	214.6	Pg	10:30:46.951	-0.6	T__	30.3	---	MLv	15295390	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	1.52	214.6	Lg	10:31:07.409	-0.3	T__	---	15295391	FDSN	RO	--	BUD	iLoc	BHN	???	_		
BZS	1.53	215.0	Pn	10:30:46.565	0.9	T__	---	15295392	FDSN	IR	--	ISC	iLoc	???	???	_		
BZS	1.53	215.0	Pn	10:30:46.565	0.9	T__	---	15295393	FDSN	IR	--	ISC	iLoc	???	???	_		
(Station ML : 1.8 1																		
LOT	1.56	155.9	Pg	10:30:48.041	0.5	T__	---	15295394	FDSN	IR	--	ISC	iLoc	???	???	_		
LOT	1.56	155.9	Pg	10:30:48.041	0.5	T__	---	15295395	FDSN	IR	--	ISC	iLoc	???	???	_		
LOT	1.56	155.9	Sn	10:31:09.313	0.7	T__	---	15295396	FDSN	IR	--	ISC	iLoc	???	???	_		
LOT	1.56	156.0	Sn	10:31:09.203	0.4	T__	---	15295397	FDSN	RO	--	BUD	iLoc	BHN	???	_		
BURAR	1.76	64.3	Pn	10:30:50.387	0.8	T__	---	15295398	FDSN	IR	--	ISC	iLoc	???	???	_		
BURAR	1.76	64.3	Pn	10:30:50.387	0.8	T__	---	15295399	FDSN	IR	--	ISC	iLoc	???	???	_		
BURAR	1.77	63.3	Sn	10:31:14.546	0.3	T__	---	15295400	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
 2019/04/04 08:48:03.02 1.05 0.41 46.1391 18.3113 11.1 3.7 159 0.0S 5 3 179 0.16 0.39 m sx BUD 15295420 iLoc 283
 (description : suspected quarry blast)
 (locality : Komló-II Hungary)

Magnitude Err Nsta Author OrigID

Sta	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	251.0	Pg	08:48:07.002	0.2	T__						193.9		---	MLv	15295422	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.16	251.0	Lg	08:48:09.381	-0.4	T__								---		15295423	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORH	0.24	71.5	Pg	08:48:08.603	0.1	T__						19.2		---	MLv	15295424	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	0.24	71.5	Lg	08:48:12.595	-0.3	T__								---		15295425	FDSN	HU	--	BUD	iLoc	BHN	???	_
A266A	0.39	355.2	Lg	08:48:17.573	-0.1	T__								---		15295426	FDSN	Z3	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
 2019/04/04 09:22:45.35 3.10 0.57 48.5367 20.7763 39.5 4.1 10 0.0S 9 4 218 0.20 1.29 m sx BUD 15295435 iLoc 315
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.4 0.3 4 ILOC 15295435

Sta	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	0.20	254.6	Pg	09:22:49.382	-0.2					T__		570.1		---	MLv	15295437	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.20	254.6	Lg	09:22:53.367	0.5					T__				---		15295438	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.6 1																								
ABAH	0.39	127.8	Pg	09:22:53.511	0.1					T__		68.0		---	MLv	15295439	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.39	127.8	Lg	09:22:59.850	-0.4					T__				---		15295440	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.2 1																								
PSZ	0.85	223.9	Pn	09:23:04.300	0.6					T__		0.1		---		15295441	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.85	224.0	Pn	09:23:03.639	-0.0					T__		50.0		---	MLv	15295442	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.85	224.0	Sn	09:23:17.515	-1.0					T__				---		15295443	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.7 1																								
VYHS	1.29	268.8	Pn	09:23:10.065	0.3					T__		7.2		---	MLv	15295444	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.29	268.8	Sn	09:23:28.900	-0.2					T__				---		15295445	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
2019/04/05	08:12:44.53	0.92	0.98	47.9388	19.4323	7.3	3.3	176	0.0S	10	6	157		0.29	1.51	m	kx	BUD	15295464	iLoc		199
2019/04/05	08:12:44.39f	0.77	0.77	47.9151	19.4088f				0.0S	10		165		0.27	1.50	a	kx	BUD_GT	15327683	BUD		203

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.4	4 BUD	15295464
ML	1.7	0.4	4 ILOC	15327683

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
A270A	0.27	255.2	Pg	08:12:50.638	0.3					T__		644.7		---	MLv	15329362	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A270A	0.27	255.2	Lg	08:12:56.583	1.4					T__				---		15329363	FDSN	Z3	00	BUD	BUD	HHN	???	_
(Station ML : 1.9 1																								
PSZ	0.33	89.2	Pg	08:12:51.666	-0.1					T__		226.6		_c_	MLv	15329364	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.33	89.2	Lg	08:12:56.399	-1.0					T__				---		15329365	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.6 1																								
A336A	0.42	319.4	Lg	08:12:59.817	-0.1					T__				---		15329366	FDSN	Z3	00	BUD	BUD	HH3	???	_
VYHS	0.69	326.7	Pn	08:13:00.996	0.5					T__		14.3		---	MLv	15329367	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
VYHS	0.69	326.7	Lg	08:13:08.358	-0.5					T__				---		15329368	FDSN	SK	--	BUD	BUD	HHN	???	_
(Station ML : 1.0 1																								
KECS	0.92	51.3	Pn	08:13:04.353	0.9					T__		112.5		---	MLv	15329369	FDSN	SK	--	BUD	BUD	EHN	EHZ	_
KECS	0.92	51.3	Lg	08:13:15.941	-0.6					T__				---		15329370	FDSN	SK	--	BUD	BUD	EHN	???	_
(Station ML : 2.1 1																								
MODS	1.50	288.6	Lg	08:13:35.822	-1.0					T__				---		15329371	FDSN	SK	--	BUD	BUD	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/04/05	09:39:51.70	0.32	0.59	48.5206	18.7623				0.0A	0.0	12	8	150	0.06	1.49	m	sx	BUD	15236907	sysop@krszo			360
2019/04/05	09:39:50.29	0.88	0.84	48.5018	18.7392	4.8	2.7	19	0.0S	12	8	127		0.06	1.50	m	sx	BUD_GT	15295493	iLoc		157	

(GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)
(description : suspected quarry blast)
(locality : Bzenica Slovakia)

Magnitude	Err	Nsta	Author	OrigID
M	1.5	4	BUD	15236907
MLv	1.5 0.3	4	BUD	15236907
ML	1.5 0.3	4	ILOC	15295493

Sta	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	0.06	96.9	Pg	09:39:52.162	0.3					T__		306.7		_c_	MLv	15295495	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.06	96.9	Lg	09:39:53.536	0.3					T__				---		15295496	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.0 1																								
A335A	0.27	258.6	Pg	09:39:56.304	0.2					T__		231.5		---	MLv	15295497	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A335A	0.27	258.6	Lg	09:40:01.012	0.3					T__				---		15295498	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 1.4 1																								
A336A	0.32	147.1	Pg	09:39:57.573	0.6					T__		284.3		---	MLv	15295499	FDSN	Z3	00	BUD	iLoc	HH3	HHZ	_
A336A	0.32	147.1	Lg	09:40:02.314	0.2					T__				---		15295500	FDSN	Z3	00	BUD	iLoc	HH2	???	_
(Station ML : 1.6 1																								
A332A	0.35	329.1	Lg	09:40:02.975	0.2					T__				---		15295501	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A270A	0.68	164.0	Lg	09:40:14.360	-0.9					T__				---		15295502	FDSN	Z3	00	BUD	iLoc	HHE	???	_
JAVC	0.79	297.2	Lg	09:40:17.962	-0.9					T__				---		15295503	FDSN	CZ	--	BUD	iLoc	HHE	???	_
PSZ	0.97	126.6	Pn	09:40:09.618	-0.8					T__		65.4		---	MLv	15295504	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.97	126.6	Lg	09:40:23.358	-1.7					T__				---		15295505	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.9 1																								
MORC	1.50	328.8	Lg	09:40:38.422	-0.5					T__				---		15295506	FDSN	CZ	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/04/05	13:52:31.62	0.71	0.96	46.3147	17.2989	4.3	3.1	120	14.2F	8.6	57	29	44	0.16	1.91	m	ke BUD	15295524	iLoc			70
2019/04/05	13:52:31.92	0.86	0.86	46.3551	17.1008	5.6	2.4	115	6.0F	0.0	20	10	10	1.45	1.78	a	ke VIE	15271406	ISC			360
2019/04/05	13:52:31.62		0.84	46.3110	17.2980				13.5F		0		44	0.15	1.91	a	ke BUD_DD	15332836	BUD_DD			70

(description : hypoDD analysis)
(locality : Somogyszob Hungary)
(reference : Wéber, Czece, Süle, Bondár (2020) doi.org/10.1007/s40328-020-00311-7)

Magnitude	Err	Nsta	Author	OrigID
ML	2.3 0.1	17	BUD	15295524
mb	2.0		VIE	15271406
ml	1.8		VIE	15271406
ML	2.3 0.1	17	ILOC	15332836

Sta	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	0.15	182.3	Pg	13:52:36.119	0.5					T__		2901.5		---	MLv	15332897	FDSN	Z3	00	BUD	BUD	HH	HHZ	_
(Station ML : 2.2 1																								
A263A	0.33	2.0	Pg	13:52:38.614	-0.1					T__		1147.0		---	MLv	15332865	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A263A	0.33	2.0	Lg	13:52:43.347	-0.3					T__				---		15332866	FDSN	Z3	00	BUD	BUD	HHZ	???	_
(Station ML : 2.3 1																								
A265A	0.36	71.6	Pg	13:52:39.840	0.6					T__		1193.8		_d_	MLv	15332867	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A265A	0.36	71.6	Lg	13:52:44.267	-0.4					T__				---		15332868	FDSN	Z3	00	BUD	BUD	HHZ	???	_
(Station ML : 2.4 1																								
BEHE	0.40	294.0	Pn	13:52:42.018	-0.9					T__		838.0		---	MLv	15332879	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
BEHE	0.40	294.0	Lg	13:52:45.185	-0.4					T__				---		15332892	FDSN	HU	--	BUD	BUD	BHR	???	_
(Station ML : 2.3 1																								
A273A	0.53	137.4	Pn	13:52:44.430	0.9					T__		6.8		---	MLv	15332869	FDSN	Z3	--	BUD	BUD	HHZ	HHZ	_

A273A	0.53	137.4	Sn	13:52:51.755	-0.8	T__			15332880	FDSN	Z3	--	BUD	BUD	HHE	???	_
(Station ML : 0.6 0																	
KOVH	0.60	111.5	Pg	13:52:43.797	0.1	T__	180.2		15332870	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.60	111.5	Lg	13:52:52.150	0.3	T__			15332860	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 2.1 0																	
KALN	0.61	253.2	Pg	13:52:43.557	-0.2	T__	255.6	_d	15332883	FDSN	CR	--	BUD	BUD	BHZ	BHZ	_
KALN	0.61	253.2	Lg	13:52:52.150	-0.2	T__			15332843	FDSN	IR	--	ISC	BUD	???	???	_
KALN	0.61	253.2	Lg	13:52:52.580	0.6	T__			15332893	FDSN	CR	--	BUD	BUD	BHR	???	_
(Station ML : 2.2 1																	
A261A	0.65	350.9	Pg	13:52:44.550	0.0	T__	290.8		15332871	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A261A	0.65	350.9	Lg	13:52:53.955	0.4	T__			15332872	FDSN	Z3	00	BUD	BUD	HHE	???	_
(Station ML : 2.3 1																	
A266A	0.70	71.9	Pn	13:52:46.052	0.2	T__	858.3		15332873	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A266A	0.70	71.9	Sn	13:52:56.696	-0.1	T__			15332894	FDSN	Z3	00	BUD	BUD	HHT	???	_
(Station ML : 2.8 0																	
TIH	0.72	34.4	Pg	13:52:44.890	-0.8	T__	927.6		15332874	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
TIH	0.72	34.4	Lg	13:52:56.219	0.1	T__			15332875	FDSN	HU	--	BUD	BUD	HHN	???	_
(Station ML : 2.9 0																	
KOGS	0.74	281.1	Pn	13:52:46.450	-0.2	T__			15332838	FDSN	IR	--	ISC	BUD	???	???	_
KOGS	0.74	281.1	x	13:52:49.400	-99.0	---			15332841	FDSN	IR	--	ISC	BUD	???	???	_
KOGS	0.74	281.1	Sn	13:52:57.390	-0.1	T__			15332845	FDSN	IR	--	ISC	BUD	???	???	_
MOSL	0.79	208.7	Pg	13:52:47.010	-0.1	T__			15332839	FDSN	IR	--	ISC	BUD	???	???	_
MOSL	0.79	208.7	Pg	13:52:47.174	0.1	T__	390.5		15332884	FDSN	CR	--	BUD	BUD	BHZ	BHZ	_
MOSL	0.79	208.7	Lg	13:52:57.680	0.0	T__			15332846	FDSN	IR	--	ISC	BUD	???	???	_
MOSL	0.79	208.7	Sn	13:52:59.066	-0.3	T__			15332885	FDSN	CR	--	BUD	BUD	BHN	???	_
(Station ML : 2.5 1																	
LOBO	0.87	260.1	Pg	13:52:48.280	0.1	T__			15332840	FDSN	IR	--	ISC	BUD	???	???	_
LOBO	0.87	260.1	Sn	13:53:00.690	-0.2	T__			15332849	FDSN	IR	--	ISC	BUD	???	???	_
MPLH	0.88	10.8	Pg	13:52:48.587	-0.1	T__	202.1		15332861	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MPLH	0.88	10.8	Lg	13:53:01.055	-0.1	T__			15332862	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 2.3 1																	
MORH	0.94	95.3	Pg	13:52:49.452	-0.3	T__	41.9		15332864	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.94	95.3	Lg	13:53:03.396	0.1	T__			15332863	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 1.6 0																	
PTJ	1.01	246.9	Pg	13:52:51.310	0.4	T__			15332842	FDSN	IR	--	ISC	BUD	???	???	_
PTJ	1.01	246.9	Pg	13:52:51.481	0.9	T__	339.6		15332882	FDSN	CR	--	BUD	BUD	BHZ	BHZ	_
PTJ	1.01	246.9	Sn	13:53:04.580	-0.4	T__			15332850	FDSN	IR	--	ISC	BUD	???	???	_
PTJ	1.01	246.9	Lg	13:53:05.046	0.4	T__			15332876	FDSN	CR	--	BUD	BUD	BHN	???	_
(Station ML : 2.6 1																	
A267A	1.03	51.7	Lg	13:53:06.309	-1.1	T__			15332877	FDSN	Z3	00	BUD	BUD	HHE	???	_
A260A	1.05	337.5	Lg	13:53:07.587	1.8	T__			15332895	FDSN	Z3	00	BUD	BUD	HHT	???	_
EGYH	1.11	1.2	Pg	13:52:53.628	0.5	T__	224.6		15332896	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
EGYH	1.11	1.2	Lg	13:53:09.104	0.5	T__			15332878	FDSN	HU	--	BUD	BUD	HHN	???	_
(Station ML : 2.5 1																	
A268A	1.20	20.7	Lg	13:53:12.052	-0.8	T__			15332886	FDSN	Z3	00	BUD	BUD	HHE	???	_
GOLS	1.20	256.1	Pg	13:52:54.868	0.9	T__			15332887	FDSN	SL	--	BUD	BUD	BHZ	???	_
GOLS	1.20	256.1	Pg	13:52:55.010	1.0	T__			15332844	FDSN	IR	--	ISC	BUD	???	???	_
GOLS	1.20	256.1	Lg	13:53:12.148	1.6	T__			15332888	FDSN	SL	--	BUD	BUD	BH2	???	_
GOLS	1.20	256.1	IAML	13:53:15.530	-99.0	---	8.6	0.19	15332854	FDSN	IR	--	ISC	BUD	???	???	_
CSSK	1.24	31.8	Pg	13:52:55.172	-0.5	T__	172.1		15332881	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
(Station ML : 2.4 1																	
GCIS	1.24	249.7	IAML	13:53:14.390	-99.0	---	5.8	0.18	15332853	FDSN	IR	--	ISC	BUD	???	???	_
A051A	1.33	192.1	Pg	13:52:55.904	-0.7	T__	273.7		15332889	FDSN	Z3	--	BUD	BUD	BHZ	BHZ	_

A051A	1.33	192.1	Sn	13:53:12.917	0.3	T__									15332891	FDSN	Z3	--	BUD	BUD	BHE	???	_
(Station ML : 2.7 0)																							
BLY	1.53	183.1	Lg	13:53:22.651	3.4	T__									15332890	FDSN	MN	--	BUD	BUD	BHN	???	_
PERS	1.54	282.9	Sn	13:53:17.540	0.5	T__			8.4	0.27	---				15332855	FDSN	IR	--	ISC	BUD	???	???	_
RONA	1.55	334.1	Pg	13:52:59.691	-1.4	T__			0.7	0.16	---				15332847	FDSN	IR	--	ISC	BUD	???	???	_
RONA	1.55	334.1	Lg	13:53:19.246	-1.8	T__			3.3	0.34	---				15332857	FDSN	IR	--	ISC	BUD	???	???	_
SOKA	1.61	284.0	Pg	13:53:00.150	-0.9	T__			0.2	0.12	---				15332848	FDSN	IR	--	ISC	BUD	???	???	_
SOKA	1.61	284.0	Sn	13:53:18.631	-0.2	T__			1.3	0.22	---				15332856	FDSN	IR	--	ISC	BUD	???	???	_
CONA	1.89	329.3	Pg	13:53:07.010	-0.4	T__			0.2	0.12	---				15332852	FDSN	IR	--	ISC	BUD	???	???	_
CONA	1.89	329.3	Lg	13:53:32.039	0.5	T__			0.9	0.20	---				15332859	FDSN	IR	--	ISC	BUD	???	???	_
OBKA	1.91	276.9	Pg	13:53:05.503	-0.7	T__			0.5	0.18	---				15332851	FDSN	IR	--	ISC	BUD	???	???	_
OBKA	1.91	276.9	Lg	13:53:29.874	-2.5	T__			2.6	0.32	---				15332858	FDSN	IR	--	ISC	BUD	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/04/08	04:54:28.80	0.09	0.28	48.9506	18.4163	0.7	0.5	251	11.0F	0.8	26		84	0.15	1.56	a	ke IPEC	15271465	ISC			360
2019/04/08	04:54:32.30			49.0400	18.2200				11.0A		21					a	ke PRU	15271468	ISC			360
2019/04/08	04:54:28.53	0.79	0.97	48.9220	18.3795	3.8	2.9	25	8.0F	7.8	50	19	49	0.47	3.17	m	ke BUD	15295666	iLoc			88

Magnitude	Err	Nsta	Author	OrigID
ML	1.5		IPEC	15271465
ML	1.8	0.1	12 ILOC	15295666

Sta	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	262.6	Pg	04:54:38.358	-0.0					T__		150.1			MLv	15295668	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_
JAVC	0.47	262.6	Lg	04:54:47.011	1.2					T__					---	15295669	FDSN	CZ	--	BUD	iLoc	BHN	???	_
JAVC	0.47	262.6	Lg	04:54:45.200	-0.6					T__		25.4	0.39	---	---	15295670	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	0.47	262.6	Lg	04:54:45.300	-0.6					T__				---	---	15295671	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.8 1)																								
A335A	0.48	183.5	Pg	04:54:38.558	0.3					T__		1103.2			MLv	15295672	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A335A	0.48	183.5	Lg	04:54:45.583	-0.1					T__				---	---	15295673	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 2.7 0)																								
VYHS	0.52	144.6	Pg	04:54:39.190	-0.1					T__		29.2		---	MLv	15295674	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.52	144.6	Lg	04:54:46.962	-0.1					T__				---	---	15295675	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.2 0)																								
LANS	0.75	71.9	Pg	04:54:42.745	-0.7					T__		89.1		---	MLv	15295676	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
LANS	0.75	71.9	Lg	04:54:53.082	-0.5					T__				---	---	15295677	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 1.9 1)																								
MODS	0.91	233.5	Pn	04:54:47.072	-0.0					T__				---	---	15295678	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.91	233.5	Lg	04:55:00.109	-0.4					T__				---	---	15295679	FDSN	SK	--	BUD	iLoc	HHZ	???	_
OKC	0.93	350.7	Pg	04:54:46.600	0.6					T__				---	---	15295680	FDSN	IR	--	ISC	iLoc	???	???	_
OKC	0.93	350.7	Lg	04:54:58.900	0.9					T__		12.3	0.30	---	---	15295681	FDSN	IR	--	ISC	iLoc	???	???	_
OKC	0.93	350.7	Pn	04:54:47.167	0.0					T__		35.6		---	MLv	15295682	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_
OKC	0.93	350.7	Lg	04:54:58.404	0.4					T__				---	---	15295683	FDSN	CZ	--	BUD	iLoc	BHE	???	_
(Station ML : 1.6 1)																								
MORC	1.02	327.7	Pg	04:54:47.610	-0.1					T__		133.7		---	MLv	15295684	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_
MORC	1.02	327.7	Lg	04:55:01.277	-0.5					T__				---	---	15295685	FDSN	CZ	--	BUD	iLoc	BHE	???	_
MORC	1.02	327.7	Lg	04:55:00.700	-1.0					T__		15.4	0.29	---	---	15295686	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	1.02	327.7	Lg	04:55:00.800	-1.0					T__				---	---	15295687	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.2 1)																								
STEB	1.09	338.9	Pg	04:54:48.900	0.1					T__				---	---	15295688	FDSN	IR	--	ISC	iLoc	???	???	_
STEB	1.09	338.9	Lg	04:55:01.900	-1.5					T__				---	---	15295689	FDSN	IR	--	ISC	iLoc	???	???	_

VRAC	1.24	288.9	Pn	04:54:51.500	0.0	T__									15295690	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.24	288.9	Pn	04:54:51.500	0.0	T__									15295691	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.24	288.9	Sn	04:55:08.100	-1.6	T__	4.6	0.23							15295692	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.24	288.9	Lg	04:55:08.200	-1.4	T__									15295693	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.24	288.9	Pn	04:54:51.850	0.4	T__	40.2			MLv					15295694	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_
VRAC	1.24	288.9	Sn	04:55:08.433	-1.2	T__									15295695	FDSN	CZ	--	BUD	iLoc	BHE	???	_
(Station ML : 1.8 1																							
KRUC	1.31	276.9	Pn	04:54:52.305	-0.3	T__	39.2			MLv					15295696	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_
KRUC	1.31	276.9	Sn	04:55:09.608	-1.9	T__									15295697	FDSN	CZ	--	BUD	iLoc	BHE	???	_
KRUC	1.31	276.9	Pn	04:54:52.200	-0.4	T__									15295698	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.31	276.9	Pn	04:54:52.200	-0.4	T__									15295699	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.8 1																							
NIE	1.36	67.9	Pg	04:54:55.231	0.4	T__	20.2			MLv					15295700	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	1.36	67.9	Sn	04:55:14.892	1.5	T__									15295701	FDSN	PL	--	BUD	iLoc	BHE	???	_
(Station ML : 1.6 0																							
PSZ	1.42	134.3	Pn	04:54:57.062	3.0	T__	45.3			MLv					15295702	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	1.42	134.3	Sn	04:55:15.774	1.3	T__									15295703	FDSN	GE	--	BUD	iLoc	BHN	???	_
PSZ	1.42	134.3	Sn	04:55:15.100	0.6	T__	0.0								15295704	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.9 1																							
KECS	1.46	106.7	Pg	04:54:57.351	-0.0	T__	111.5			MLv					15295705	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	1.46	106.7	Sn	04:55:14.500	-0.6	T__	0.1								15295706	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	1.46	106.7	Sn	04:55:15.350	0.3	T__									15295707	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 2.4 0																							
KRLC	1.55	318.5	Pg	04:54:57.300	0.0	T__									15295708	FDSN	IR	--	ISC	iLoc	???	???	_
KRLC	1.55	318.5	Sn	04:55:16.100	-1.9	T__	8.1	0.30							15295709	FDSN	IR	--	ISC	iLoc	???	???	_
OJC	1.59	34.9	Pn	04:54:58.019	1.3	T__	45.9			MLv					15295710	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 2.0 1																							
DPC	1.96	317.7	Pg	04:55:05.300	0.7	T__									15295711	FDSN	IR	--	ISC	iLoc	???	???	_
DPC	1.96	317.7	Sn	04:55:28.000	-0.5	T__	2.8	0.30							15295712	FDSN	IR	--	ISC	iLoc	???	???	_
OSTC	2.16	320.2	Pg	04:55:08.600	0.5	T__									15295713	FDSN	IR	--	ISC	iLoc	???	???	_
OSTC	2.16	320.2	Lg	04:55:35.700	-0.4	T__	7.8	0.90							15295714	FDSN	IR	--	ISC	iLoc	???	???	_
CHVC	2.25	318.8	Pg	04:55:11.100	1.3	T__									15295715	FDSN	IR	--	ISC	iLoc	???	???	_
CHVC	2.25	318.8	Lg	04:55:38.000	-1.1	T__	6.6	0.90							15295716	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	3.17	275.6	Lg	04:56:09.500	-1.0	T__	1.3	0.50							15295717	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/04/08	08:05:43.22	1.82	0.60	48.6273	20.7383	13.8	4.1	1	0.0S		11	5	192	0.22	1.27	m	sx BUD	15295778	iLoc			276	
(description : suspected quarry blast)																							
(locality : Dvorniky-Vcelare Slovakia)																							

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.2	5 ILOC	15295778

Sta	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	229.4	Pg	08:05:48.018	0.2	T__						1126.7			MLv	15295780	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.22	229.4	Lg	08:05:50.840	-0.6	T__										15295781	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.22	229.4	Lg	08:05:51.600	0.2	T__						1.1				15295782	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.0 0																								
ABAH	0.47	134.6	Pg	08:05:51.800	-1.0	T__						0.0				15295783	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.47	134.6	Pg	08:05:53.208	0.4	T__						45.1			MLv	15295784	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.47	134.6	Lg	08:06:01.265	0.4	T__										15295785	FDSN	HU	--	BUD	iLoc	HHN	???	_

ABAH	0.47	134.6	Lg	08:06:01.800	1.0	T__	0.0	---	15295786	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.3 1																		
PSZ	0.91	218.8	Pg	08:06:01.968	-0.3	T__	55.2	---	MLv	15295787	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.91	218.8	Lg	08:06:15.777	-0.1	T__		---		15295788	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.7 1																		
LANS	0.99	302.5	Pn	08:06:03.864	0.3	T__	39.1	---	MLv	15295789	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 1.6 1																		
VYHS	1.27	264.7	Pg	08:06:08.748	0.0	T__	10.3	---	MLv	15295790	FDSN	SK	--	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
2019/04/08	09:12:22.25	1.05	0.27	47.5459	18.4538	8.0	3.5	106	0.0S	7	5	164	0.10	0.98	m	sx	BUD	15295815	iLoc		280	
(description : suspected quarry blast)																						
(locality : Etyek Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.2	4 ILOC	15295815

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
A269A	0.10	332.5	Pg	09:12:24.923	0.0					T__		898.6		---	MLv	15295817	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A269A	0.10	332.5	Lg	09:12:27.350	-0.1					T__				---		15295818	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
(Station ML : 1.5 1																								
CSKK	0.22	215.7	Pg	09:12:27.357	0.1					T__		194.3		---	MLv	15295819	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.22	215.7	Lg	09:12:31.585	-0.1					T__				---		15295820	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.2 1																								
A270A	0.49	51.7	Lg	09:12:40.308	-0.3					T__				---		15295821	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A335A	0.91	355.0	Pg	09:12:40.711	0.0					T__		35.2		---	MLv	15295822	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.6 1																								
VYHS	0.98	15.0	Pg	09:12:42.602	0.4					T__		5.2		---	MLv	15295823	FDSN	SK	--	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
2019/04/09	06:03:45.56	1.13	0.42	47.3434	18.3198	8.3	5.7	13	0.0S	8	6	124	0.04	1.26	m	kx	BUD	15295841	iLoc		232	
2019/04/09	06:03:45.48f	0.50	0.50	47.3167	18.3081f				0.0S	8	107	0.06	1.24	a	kx	BUD_GT	15327693	BUD			202	
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Magyaralmás Hungary)																						

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	325.3	Pg	06:03:47.020	-0.3					T__		1597.7		---	MLv	15329372	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.06	325.3	Lg	06:03:48.679	-0.6					T__				---		15329373	FDSN	HU	--	BUD	BUD	HHN	???	_
A268A	0.29	293.8	Lg	06:03:57.627	0.7					T__				---		15329374	FDSN	Z3	00	BUD	BUD	HHE	???	_
MPLH	0.54	254.6	Lg	06:04:05.631	0.6					T__				---		15329375	FDSN	HU	--	BUD	BUD	HHE	???	_
MORH	1.13	168.0	Pg	06:04:08.424	0.5					T__		9.2		---	MLv	15329376	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	1.13	168.0	Sn	06:04:24.557	0.2					T__				---		15329377	FDSN	HU	--	BUD	BUD	BHZ	???	_
PSZ	1.23	60.1	Lg	06:04:29.618	-0.4					T__				---		15329378	FDSN	GE	--	BUD	BUD	HHN	???	_
KOVH	1.24	186.7	Sn	06:04:27.610	0.5					T__				---		15329379	FDSN	HU	--	BUD	BUD	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/04/09	08:37:30.57	1.22	1.57	48.3830	19.1153	18.9	5.5	35	0.0S	7	5	145	0.22	1.07	m	sx	BUD	15295859	iLoc			260
(description : suspected quarry blast)																						
(locality : Krupina Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.2	3 ILOC	15295859

Sta	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	0.22	301.0	Pg	08:37:35.272	0.1					T__		36.9		---	MLv	15295861	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.22	301.0	Lg	08:37:39.264	0.5					T__				---		15295862	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 0.5 1																								
A335A	0.52	277.3	Pg	08:37:41.508	0.2					T__		84.4		---	MLv	15295863	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.7 1																								
PSZ	0.70	131.4	Lg	08:37:55.985	-0.2					T__				---		15295864	FDSN	GE	--	BUD	iLoc	HHN	???	_
LANS	0.80	16.8	Pn	08:37:49.674	1.2					T__		39.6		---	MLv	15295865	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
LANS	0.80	16.8	Sn	08:38:00.055	-2.5					T__				---		15295866	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.5 1																								
JAVC	1.07	297.0	Lg	08:38:07.333	-1.3					T__				---		15295867	FDSN	CZ	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/04/09	08:55:06.80	1.25	0.36	46.0669	22.0419	10.5	6.3	23	5.0A	5	3	164	0.33	0.86	m	ke	BUD	15295881	iLoc			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
SIRR	0.33	307.1	Pg	08:55:13.871	0.1					T__		144.7		---	MLv	15295883	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.33	307.1	Lg	08:55:18.692	-0.3					T__				---		15295884	FDSN	RO	--	BUD	iLoc	BHE	???	_
GZR	0.85	142.4	Lg	08:55:34.764	-0.2					T__				---		15295885	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.86	32.3	Pg	08:55:24.014	0.1					T__		33.8		---	MLv	15295886	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.86	32.3	Lg	08:55:35.884	-0.3					T__				---		15295887	FDSN	RO	--	BUD	iLoc	BHZ	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/04/09	09:13:13.99	1.25	8.91	48.3463	18.3913	5.0	3.2	23	0.0A	14		160	0.33	1.54	a	kx	KRSZO	15271540	ISC			360
2019/04/09	09:13:15.89	0.82	2.49	48.5217	18.4612	5.6	3.1	173	0.0S	16	10	71	0.11	1.39	m	sx	BUD	15295896	iLoc			116
(description : suspected quarry blast)																						
(locality : Hostie Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.2	4 ILOC	15295896

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A335A	0.11	228.1	Pg	09:13:18.864	0.4					T__		824.8		---	MLv	15295898	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A335A	0.11	228.1	Lg	09:13:21.842	1.1					T__				---		15295899	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 1.5 1																								
VYHS	0.25	96.2	Pg	09:13:21.801	0.6					T__		44.9		---	MLv	15295900	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_

VYHS	0.25	96.2	Lg	09:13:25.058	-0.1	T__								15295901	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 0.7 1																						
JAVC	0.62	303.1	Pn	09:13:31.077	-0.9	T__				67.5		MLv		15295902	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_
JAVC	0.62	303.1	Sn	09:13:40.505	-2.2	T__								15295903	FDSN	CZ	--	BUD	iLoc	BHN	???	_
JAVC	0.62	303.1	Pg	09:13:29.740	0.9	T__								15295904	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	0.62	303.1	Lg	09:13:38.290	-0.4	T__								15295905	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.7 1																						
MODS	0.80	259.8	Lg	09:13:43.888	-0.7	T__								15295906	FDSN	SK	--	BUD	iLoc	HHE	???	_
LANS	0.92	46.2	Sn	09:13:50.809	-0.1	T__								15295907	FDSN	SK	--	BUD	iLoc	EHE	???	_
PSZ	1.13	121.7	Pn	09:13:37.068	-1.2	T__				49.1		MLv		15295908	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	1.13	121.7	Sn	09:13:51.012	-5.2	T__								15295909	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.8 1																						
A268A	1.15	198.5	Sn	09:13:51.622	-4.4	T__								15295910	FDSN	Z3	00	BUD	iLoc	HHN	???	_
CSKK	1.17	186.7	Sn	09:13:51.955	-4.6	T__								15295911	FDSN	HU	--	BUD	iLoc	HHE	???	_
KECS	1.35	90.9	Sn	09:13:59.713	-1.3	T__								15295912	FDSN	SK	--	BUD	iLoc	EHE	???	_
MORC	1.39	334.7	Sn	09:14:03.938	1.1	T__								15295913	FDSN	CZ	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/04/09	09:25:09.69	0.98	0.91	47.8313	19.1555	6.1	3.8	179	0.0S		7	5	114	0.09	0.83	m	kx	BUD	15295931	iLoc		212
2019/04/09	09:25:09.80f		0.68	47.8355	19.1270f				0.0S		7		110	0.07	0.81	a	kx	BUD_GT	15327701	BUD		207
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Sejce-Vác Hungary)																						

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
A270A	0.07	277.6	Pg	09:25:12.321	0.5					T__		652.5			MLv	15329380	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A270A	0.07	277.6	Lg	09:25:14.103	0.4					T__						15329381	FDSN	Z3	00	BUD	BUD	HHN	???	_
BUD	0.36	191.2	Lg	09:25:23.360	-0.5					T__						15329382	FDSN	HU	--	BUD	BUD	BHN	???	_
PSZ	0.52	80.6	Pg	09:25:20.836	-0.4					T__		39.6			MLv	15329383	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.52	80.6	Lg	09:25:28.972	-0.6					T__						15329384	FDSN	GE	--	BUD	BUD	BHN	???	_
VYHS	0.69	343.6	Lg	09:25:33.854	-0.2					T__						15329385	FDSN	SK	--	BUD	BUD	HHN	???	_
A335A	0.81	319.4	Sn	09:25:40.333	-1.4					T__						15329386	FDSN	Z3	00	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/04/09	09:42:15.21	1.00	0.87	47.3457	18.4048	5.0	4.4	114	0.0S		11	8	111	0.10	1.19	m	sx	BUD	15295948	iLoc		193
(description : suspected quarry blast)																						
(locality : Gánt Hungary)																						

Magnitude Err Nsta Author OrigID
ML 1.2 0.1 3 ILOC 15295948

Sta	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	280.2	Pg	09:42:17.854	-0.0					T__		2825.8			MLv	15295950	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.10	280.2	Lg	09:42:19.289	-1.2					T__						15295951	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 2.0 1																								
A269A	0.29	357.0	Lg	09:42:26.807	-0.2					T__						15295952	FDSN	Z3	00	BUD	iLoc	HHN	???	_

A268A	0.34	284.9	Lg	09:42:29.931	1.5	T__	---	15295953	FDSN	Z3	00	BUD	iLoc	HHE	???	_		
MPLH	0.61	253.7	Lg	09:42:36.738	-0.3	T__	---	15295954	FDSN	HU	--	BUD	iLoc	BHE	???	_		
A270A	0.65	39.5	Lg	09:42:39.130	-0.3	T__	---	15295955	FDSN	Z3	00	BUD	iLoc	HHN	???	_		
MORH	1.14	171.6	Pg	09:42:38.296	0.3	T__	10.9	---	MLv	15295956	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.14	171.6	Lg	09:42:54.222	-0.2	T__	---	15295957	FDSN	HU	--	BUD	iLoc	BHE	???	_		
(Station ML : 1.2 1)																		
PSZ	1.16	59.8	Sn	09:42:54.568	-1.2	T__	---	15295958	FDSN	GE	--	BUD	iLoc	BHE	???	_		
VYHS	1.19	14.0	Pg	09:42:39.533	0.3	T__	9.3	---	MLv	15295959	FDSN	SK	--	BUD	iLoc	HHN	HHZ	_
VYHS	1.19	14.0	Sn	09:42:55.684	-0.7	T__	---	15295960	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
2019/04/09	12:00:00.96	0.32	1.13	48.4484	17.2657				0.0A	0.0	10	6	87	0.08	1.07	m	sx	BUD	15237407	sysop@krszo		360
2019/04/09	12:00:00.36	0.24	0.17	48.4213	17.1923	3.8	1.4	136	0.0F	0.0	10		5	0.94	1.02	a	sx	VIE	15271546	ISC		360
2019/04/09	11:59:59.63	0.82	0.68	48.4140	17.2637	4.1	3.0	91	0.0S		21	7	82	0.04	1.06	m	sx	BUD_GT	15295974	iLoc		137

(GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)

(description : suspected quarry blast)

(locality : Rohoznik Slovakia)

Magnitude	Err	Nsta	Author	OrigID
M	1.5	5	BUD	15237407
MLv	1.5	0.2	5 BUD	15237407
ml	1.4		VIE	15271546
ML	1.6	0.0	5 ILOC	15295974

Sta	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	167.3	Lg	12:00:03.300	0.6					T__	---				15295976	FDSN	IR	--	ISC	iLoc	???	???	_	
MODS	0.04	167.8	Pg	12:00:01.083	-0.1					T__	---				15295977	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.04	167.8	Lg	12:00:03.187	0.5					T__	---				15295978	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.52	31.1	Pg	12:00:10.374	-0.2					T__	65.9			---	MLv	15295979	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_
JAVC	0.52	31.1	Pg	12:00:10.600	0.0					T__	---				15295980	FDSN	IR	--	ISC	iLoc	???	???	_	
JAVC	0.52	31.1	Lg	12:00:19.600	0.6					T__	---				15295981	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.6 1)																								
KRUC	0.87	318.8	Pn	12:00:17.300	-1.2					T__	---				15295982	FDSN	IR	--	ISC	iLoc	???	???	_	
KRUC	0.87	318.8	Pg	12:00:17.500	1.2					T__	---				15295983	FDSN	IR	--	ISC	iLoc	???	???	_	
KRUC	0.87	318.8	Lg	12:00:28.600	-0.5					T__	---				15295984	FDSN	IR	--	ISC	iLoc	???	???	_	
KRUC	0.87	318.8	Pg	12:00:16.329	0.1					T__	42.5			---	MLv	15295985	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_
KRUC	0.87	318.8	Lg	12:00:29.929	0.9					T__	---				15295986	FDSN	CZ	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.6 1)																								
RONA	0.97	222.6	Pg	12:00:18.336	-0.5					T__	0.9	0.10	---		15295987	FDSN	IR	--	ISC	iLoc	???	???	_	
RONA	0.97	222.6	Lg	12:00:31.491	0.1					T__	2.7	0.20	---		15295988	FDSN	IR	--	ISC	iLoc	???	???	_	
VRAC	1.00	333.9	Pg	12:00:17.329	-1.2					T__	41.7		---	---	MLv	15295989	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 1.7 0)																								
VYHS	1.05	85.0	Pn	12:00:21.493	0.5					T__	7.2		---	---	MLv	15295990	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.05	85.0	Lg	12:00:35.540	-0.4					T__	---				15295991	FDSN	SK	--	BUD	iLoc	HHN	???	_	
VYHS	1.05	85.0	Pn	12:00:21.200	0.2					T__	0.0		---		15295992	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 0.9 0)																								
CONA	1.06	243.1	Pn	12:00:21.525	0.1					T__	34.5		---	---	MLv	15295993	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
CONA	1.06	243.1	Sn	12:00:36.253	-1.1					T__	---				15295994	FDSN	OE	--	BUD	iLoc	BHZ	???	_	
CONA	1.06	243.1	Pg	12:00:20.263	-0.2					T__	0.2	0.08	---		15295995	FDSN	IR	--	ISC	iLoc	???	???	_	
CONA	1.06	243.1	Lg	12:00:34.196	0.0					T__	1.9	0.24	---		15295996	FDSN	IR	--	ISC	iLoc	???	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/04/10	08:56:10.33	3.56	0.88	46.0668	18.3435	64.7	4.1	166	0.0S	6	4	193	0.17	1.32	m	kx	BUD	15296023	iLoc			331
2019/04/10	08:56:10.18f	0.81	46.1765	18.2926f					0.0S	6		172	0.16	1.28	a	kx	BUD_GT	15327709	BUD			328

(GT info : GT2 explosion)
 (description : known quarry blast)
 (locality : Koml6-II Hungary)

Magnitude Err Nsta Author OrigID

Sta	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	236.7	Pg	08:56:14.052	0.0					T__		490.3		---	MLv	15329387	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.16	236.7	Lg	08:56:16.701	-0.4					T__				---		15329388	FDSN	HU	--	BUD	BUD	BHE	???	_
MORH	0.25	80.7	Pg	08:56:15.827	0.1					T__		51.7		---	MLv	15329389	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.25	80.7	Lg	08:56:20.069	-0.0					T__				---		15329390	FDSN	HU	--	BUD	BUD	BHN	???	_
MOSL	1.21	242.9	Sn	08:56:51.751	0.6					T__				---		15329391	FDSN	CR	--	BUD	BUD	BHZ	???	_
KALN	1.28	268.6	Sn	08:56:54.146	1.8					T__				---		15329392	FDSN	CR	--	BUD	BUD	BHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/04/10	09:27:53.82	1.10	1.01	47.3394	18.4082	6.7	5.0	134	0.0S	14	10	112	0.10	1.81	m	sx	BUD	15296039	iLoc			132

(description : suspected quarry blast)
 (locality : Gánt Hungary)

Magnitude Err Nsta Author OrigID
 ML 1.3 0.5 4 ILOC 15296039

Sta	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	283.4	Pg	09:27:56.752	0.2					T__		1707.4		---	MLv	15296041	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.10	283.4	Lg	09:27:58.150	-1.0					T__				---		15296042	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.8 1																								
A269A	0.30	356.7	Pg	09:28:01.355	1.1					T__		276.0		---	MLv	15296043	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A269A	0.30	356.7	Lg	09:28:05.602	-0.3					T__				---		15296044	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
(Station ML : 1.6 1																								
A268A	0.34	285.8	Lg	09:28:06.485	-0.7					T__				---		15296045	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MPLH	0.62	254.4	Sn	09:28:18.469	-1.9					T__				---		15296046	FDSN	HU	--	BUD	iLoc	HHE	???	_
A270A	0.65	39.0	Lg	09:28:17.239	-0.9					T__				---		15296047	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MORH	1.14	171.7	Pg	09:28:16.777	0.3					T__		8.1		---	MLv	15296048	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.14	171.7	Sn	09:28:33.188	0.2					T__				---		15296049	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.0 1																								
PSZ	1.16	59.5	Sn	09:28:33.949	-0.5					T__				---		15296050	FDSN	GE	--	BUD	iLoc	BHE	???	_
VYHS	1.19	13.8	Pg	09:28:18.660	0.7					T__		5.7		---	MLv	15296051	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.19	13.8	Lg	09:28:34.019	-1.3					T__				---		15296052	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 0.9 1																								
KOVH	1.27	189.7	Sn	09:28:37.446	1.2					T__				---		15296053	FDSN	HU	--	BUD	iLoc	BHE	???	_
KALN	1.81	228.7	Pg	09:28:28.940	0.1					T__				---		15296054	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	1.81	228.7	Sn	09:28:39.010	-10.5					---				---		15296055	FDSN	IR	--	ISC	iLoc	???	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/04/10 11:03:01.85 1.89 1.30 48.6647 20.8104 15.4 4.7 3 0.0S 9 4 238 0.28 1.32 m sx BUD 15296073 iLoc 316
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.5 0.5 4 ILOC 15296073

Sta	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	230.0	Pg	11:03:08.425	0.8					T__		1647.0		---	MLv	15296075	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.28	230.0	Lg	11:03:11.450	-0.7					T__				---		15296076	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.28	230.0	Lg	11:03:12.900	0.8					T__		1.6		---		15296077	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.3 1)																								
ABAH	0.47	142.1	Pg	11:03:12.889	1.5					T__		51.5		---	MLv	15296078	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.47	142.1	Pn	11:03:13.900	-1.9					T__		0.1		---		15296079	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.47	142.1	Lg	11:03:18.055	-1.3					T__				---		15296080	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.3 1)																								
PSZ	0.97	219.7	Pn	11:03:21.957	0.2					T__		40.3		---	MLv	15296081	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.97	219.7	Lg	11:03:35.817	-0.7					T__				---		15296082	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.6 1)																								
VYHS	1.32	263.3	Pg	11:03:29.073	0.7					T__		5.6		---	MLv	15296083	FDSN	SK	--	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
 2019/04/10 11:09:53.74 1.04 1.26 48.5459 20.8407 7.4 3.9 18 0.0S 10 5 154 0.24 1.33 m sx BUD 15296103 iLoc 247
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.5 0.2 5 ILOC 15296103

Sta	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	255.2	Pg	11:09:59.391	0.6					T__		1621.3		---	MLv	15296105	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.24	255.2	Lg	11:10:02.568	-0.2					T__				---		15296106	FDSN	SK	--	BUD	iLoc	EHZ	???	_
(Station ML : 2.2 0)																								
ABAH	0.36	133.1	Pg	11:10:02.245	0.9					T__		54.7		---	MLv	15296107	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.36	133.1	Lg	11:10:05.300	-2.4					T__		0.1		---		15296108	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.36	133.1	Lg	11:10:07.475	-0.3					T__				---		15296109	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.1 0)																								
PSZ	0.89	225.6	Lg	11:10:20.600	-5.3					---		0.0		---		15296110	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.89	225.6	Pn	11:10:11.522	-1.1					T__		27.6		---	MLv	15296111	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.89	225.6	Lg	11:10:24.617	-1.3					T__				---		15296112	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.4 1)																								
NIE	0.94	338.5	Pg	11:10:11.569	0.1					T__		33.2		---	MLv	15296113	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 1.5 1)																								
LANs	1.09	304.2	Pn	11:10:16.496	1.0					T__		39.9		---	MLv	15296114	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 1.7 1)																								
VYHS	1.33	268.5	Sn	11:10:38.430	-0.1					T__				---		15296115	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
 2019/04/11 07:08:50.57 1.28 0.83 48.4379 20.7438 46.8 3.8 18 0.0S 7 4 188 0.18 1.27 m sx BUD 15296139 iLoc 303
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.4 0.6 3 ILOC 15296139

Sta	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	0.18	284.9	Pg	07:08:54.136	-0.2					T__		1120.2		---	MLv	15296141	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.18	284.9	Lg	07:08:58.153	0.8					T__				---		15296142	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.8 1																								
ABAH	0.36	113.0	Pg	07:08:58.468	0.4					T__		52.4		---	MLv	15296143	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.36	113.0	Lg	07:09:03.110	-1.3					T__				---		15296144	FDSN	HU	--	BUD	iLoc	HHR	???	_
(Station ML : 1.0 1																								
PSZ	0.77	227.9	Pn	07:09:07.661	-0.1					T__		31.5		---	MLv	15296145	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.77	227.9	Sn	07:09:22.074	0.4					T__				---		15296146	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.4 1																								
VYHS	1.27	273.2	Sn	07:09:33.763	-0.0					T__				---		15296147	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
 2019/04/11 08:50:49.56 0.95 0.40 47.2509 18.3622 5.0 4.3 69 0.0S 13 7 112 0.13 1.28 m sx BUD 15296161 iLoc 155
 (description : suspected quarry blast)
 (locality : Iszkaszentgyörgy Hungary)

Magnitude Err Nsta Author OrigID
 ML 1.7 0.0 5 ILOC 15296161

Sta	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	328.4	Pg	08:50:53.200	0.4					T__		4.9		---		15296163	FDSN	IR	--	ISC	iLoc	???	???	_
CSKK	0.13	328.4	Pg	08:50:53.048	0.2					T__		486.7		---	MLv	15296164	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.13	328.4	Lg	08:50:55.431	-0.5					T__				---		15296165	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.4 1																								
A268A	0.35	301.3	Lg	08:51:03.147	-0.0					T__				---		15296166	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MPLH	0.57	262.1	Pg	08:51:01.040	-0.2					T__		87.7		---	MLv	15296167	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.57	262.1	Lg	08:51:09.873	0.0					T__				---		15296168	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.8 1																								
MORH	1.05	169.3	Pg	08:51:11.011	0.4					T__		10.9		---	MLv	15296169	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.05	169.3	Lg	08:51:25.622	-0.2					T__				---		15296170	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.1 0																								
KOVH	1.18	188.9	Pg	08:51:13.192	0.2					T__		37.2		---	MLv	15296171	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	1.18	188.9	Sn	08:51:29.153	-0.6					T__				---		15296172	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.7 1																								
PSZ	1.23	56.7	Pg	08:51:15.512	0.0					T__		46.7		---	MLv	15296173	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	1.23	56.7	Lg	08:51:33.792	-0.4					T__				---		15296174	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.9 0																								
VYHS	1.28	14.2	Sn	08:51:33.862	0.6					T__				---		15296175	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
2019/04/11	09:35:20.01	1.46	0.76	47.2381	18.2850	61.7	7.0	79	0.0S	5	4	166	0.13	1.28	m	sx	BUD	15296198	iLoc			231

(description : suspected quarry blast)
(locality : Iszkaszentgyörgy Hungary)

Magnitude Err Nsta Author OrigID

Sta	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	352.5	Pg	09:35:23.486	0.3					T__		248.9			MLv	15296200	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.13	352.5	Lg	09:35:25.431	-0.8					T__						15296201	FDSN	HU	--	BUD	iLoc	HHN	???	_
MORH	1.05	166.3	Lg	09:35:55.829	-0.4					T__						15296202	FDSN	HU	--	BUD	iLoc	BHN	???	_
KOVH	1.16	186.4	Sn	09:35:59.153	-0.5					T__						15296203	FDSN	HU	--	BUD	iLoc	BHN	???	_
PSZ	1.28	57.4	Sn	09:36:03.792	0.2					T__						15296204	FDSN	GE	--	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	
2019/04/12	08:07:35.91	1.05	0.92	47.3624	18.4010	7.1	4.6	169	0.0S	10	8	97	0.10	1.17	m	sx	BUD	15296209	iLoc				178

(description : suspected quarry blast)
(locality : Gánt Hungary)

Magnitude Err Nsta Author OrigID

Sta	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	270.6	Pg	08:07:38.179	-0.3					T__		3877.1			MLv	15296211	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.10	270.6	Lg	08:07:39.977	-1.0					T__						15296212	FDSN	HU	--	BUD	iLoc	HHN	???	_
A269A	0.28	357.4	Lg	08:07:48.035	0.9					T__						15296213	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A268A	0.33	282.2	Lg	08:07:49.237	0.3					T__						15296214	FDSN	Z3	00	BUD	iLoc	HHN	???	_
BUD	0.44	73.8	Lg	08:07:52.302	-0.6					T__						15296215	FDSN	HU	--	BUD	iLoc	BHN	???	_
MPLH	0.62	252.2	Lg	08:07:59.019	1.2					T__						15296216	FDSN	HU	--	BUD	iLoc	BHE	???	_
PSZ	1.15	60.6	Sn	08:08:15.257	-1.1					T__						15296217	FDSN	GE	--	BUD	iLoc	BHN	???	_
MORH	1.16	171.6	Pg	08:07:59.504	0.5					T__		9.2			MLv	15296218	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.16	171.6	Sn	08:08:14.876	-0.7					T__						15296219	FDSN	HU	--	BUD	iLoc	BHN	???	_
VYHS	1.17	14.3	Sn	08:08:16.365	-0.4					T__						15296220	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	
2019/04/12	09:43:14.37	1.30	0.34	46.1055	18.0580	10.1	5.7	129	0.0S	6	4	156	0.03	0.44	m	kx	BUD	15296229	iLoc				258
2019/04/12	09:43:13.85f	0.57	0.57	46.1254	18.0152f				0.0S	6		169	0.07	0.45	a	kx	BUD_GT	15327727	BUD				261

(GT info : GT2 explosion)
(description : known quarry blast)
(locality : Bükkösd-II Hungary)

Magnitude Err Nsta Author OrigID

Sta	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	122.2	Pg	09:43:16.004	0.1					T__		1258.5			MLv	15329393	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.07	122.2	Lg	09:43:17.146	-0.7					T__						15329394	FDSN	HU	--	BUD	BUD	BHN	???	_
A273A	0.25	213.6	Lg	09:43:23.606	0.3					T__						15329395	FDSN	Z3	--	BUD	BUD	HHE	???	_
A266A	0.44	23.3	Lg	09:43:31.041	0.9					T__						15329398	FDSN	Z3	00	BUD	BUD	HHE	???	_
MORH	0.45	78.1	Pg	09:43:23.240	0.0					T__		10.6			MLv	15329396	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_

MORH 0.45 78.1 Lg 09:43:29.714 -0.7 T__ --- 15329397 FDSN HU -- BUD BUD BHN ??? _

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/04/12	10:00:42.88	0.83	0.53	48.1393	16.8885	8.7	3.0	109	0.0F	0.0	9	5	0.59	1.28	a	sx VIE	15271595	ISC				360
2019/04/12	10:00:41.66	0.83	0.75	48.1533	16.9624	4.8	3.2	137	0.0S		29	17	61	0.30	1.89	m	sx BUD	15296245	iLoc			91

(description : suspected quarry blast)
 (locality : Hainburg Austria)

Magnitude	Err	Nsta	Author	OrigID
mb	1.3		VIE	15271595
ml	1.6		VIE	15271595
ML	1.6	0.1	5 ILOC	15296245

Sta	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	43.6	Pg	10:00:48.389	0.1					T__						15296247	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.30	43.6	Lg	10:00:53.224	-0.5					T__						15296248	FDSN	SK	--	BUD	iLoc	HHE	???	_
RONA	0.64	224.9	Pg	10:00:53.929	-0.5					T__		1.6	0.10			15296249	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.64	224.9	Lg	10:01:02.355	-0.6					T__		5.8	0.24			15296250	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.77	253.4	Pg	10:00:57.166	0.2					T__		31.4			MLv	15296251	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
CONA	0.77	253.4	Lg	10:01:08.024	0.9					T__						15296252	FDSN	OE	--	BUD	iLoc	BHN	???	_
CONA	0.77	253.5	Pg	10:00:56.750	-0.2					T__		0.4	0.10			15296253	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.4 0)																								
EGYH	0.78	161.2	Lg	10:01:09.802	1.0					T__						15296254	FDSN	HU	--	BUD	iLoc	HHE	???	_
JAVC	0.85	33.4	Pn	10:01:01.780	1.3					T__		57.8			MLv	15296255	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_
JAVC	0.85	33.4	Pn	10:01:01.000	0.5					T__						15296256	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.7 1)																								
A335A	0.96	71.7	Lg	10:01:15.490	-0.4					T__						15296257	FDSN	Z3	00	BUD	iLoc	HHE	???	_
KRUC	0.98	337.7	Pn	10:01:01.300	-0.8					T__						15296258	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.98	337.7	Lg	10:01:15.200	0.1					T__						15296259	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.98	337.7	Pn	10:01:01.877	-0.3					T__		32.7			MLv	15296260	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_
KRUC	0.98	337.7	Lg	10:01:15.730	0.6					T__						15296261	FDSN	CZ	--	BUD	iLoc	BHE	???	_
(Station ML : 1.6 1)																								
A011B	1.01	222.6	Sn	10:01:16.633	-0.9					T__						15296262	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A013A	1.05	265.7	Lg	10:01:15.935	0.6					T__						15296263	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A269A	1.09	117.8	Sn	10:01:19.580	-0.4					T__						15296264	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A007A	1.11	301.1	Lg	10:01:17.521	-1.2					T__						15296265	FDSN	Z3	00	BUD	iLoc	HHN	???	_
CSKK	1.18	131.6	Sn	10:01:20.271	-2.1					T__						15296266	FDSN	HU	--	BUD	iLoc	HHE	???	_
VRAC	1.18	348.2	Pg	10:01:04.300	0.3					T__						15296267	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.18	348.2	Pn	10:01:04.879	-0.0					T__		30.6			MLv	15296268	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_
VRAC	1.18	348.2	Lg	10:01:21.259	-0.1					T__						15296269	FDSN	CZ	--	BUD	iLoc	BHE	???	_
(Station ML : 1.6 1)																								
VVHS	1.30	74.1	Sn	10:01:25.775	0.1					T__						15296270	FDSN	SK	--	BUD	iLoc	HHN	???	_
ARSA	1.33	227.6	Sn	10:01:25.508	0.1					T__		9.3	0.58			15296271	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.33	227.6	Pg	10:01:07.626	-0.2					T__		38.1			MLv	15296272	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
ARSA	1.33	227.6	Sn	10:01:25.240	-0.1					T__						15296273	FDSN	OE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.8 0)																								
A019A	1.45	241.5	Sn	10:01:29.684	0.7					T__						15296274	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
CKRC	1.89	291.7	Sn	10:01:40.320	0.9					T__						15296275	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
 2019/04/12 10:18:24.18 1.08 0.69 48.2491 21.2191 10.1 4.8 2 0.0S 15 8 152 0.05 1.61 m kx BUD 15296301 iLoc 182
 2019/04/12 10:18:24.12f 0.80 48.2470 21.2460f 0.0S 15 153 0.05 1.63 a kx BUD_GT 15327733 BUD 182
 (GT info : GT2 explosion)
 (description : known quarry blast)
 (locality : Tállya Hungary)

Magnitude Err Nsta Author OrigID
 ML 1.8 0.3 4 BUD 15296301
 ML 1.8 0.3 4 ILOC 15327733

Sta	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	10:18:25.917	0.2					T__		13969.8		___	MLv	15329399	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
ABAH	0.05	355.1	Lg	10:18:26.952	-0.3					T__				___		15329400	FDSN	HU	--	BUD	BUD	HHE	???	_
(Station ML : 2.6 1																								
KECS	0.56	295.3	Pg	10:18:35.734	0.3					T__		130.5		___	MLv	15329401	FDSN	SK	--	BUD	BUD	EHE	EHZ	_
KECS	0.56	295.3	Lg	10:18:42.272	-1.7					T__				___		15329402	FDSN	SK	--	BUD	BUD	EHN	???	_
(Station ML : 1.9 1																								
HOLU	0.81	69.3	Pn	10:18:41.310	-0.3					T__				___		15329403	FDSN	UA	--	BUD	BUD	MHZ	???	_
HOLU	0.81	69.3	Lg	10:18:54.013	0.7					T__				___		15329404	FDSN	UA	--	BUD	BUD	MHZ	???	_
TRPA	0.87	97.2	Pg	10:18:41.682	0.6					T__		34.5		___	MLv	15329405	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
TRPA	0.87	97.2	Lg	10:18:55.285	-0.3					T__				___		15329406	FDSN	HU	--	BUD	BUD	BHZ	???	_
(Station ML : 1.5 1																								
PSZ	0.96	250.6	Pn	10:18:44.020	0.1					T__		51.3		___	MLv	15329407	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.96	250.6	Lg	10:18:57.829	-1.0					T__				___		15329408	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.7 1																								
KOLS	0.97	44.4	Pn	10:18:44.531	0.5					T__				___		15329409	FDSN	SK	--	BUD	BUD	HHZ	???	_
KOLS	0.97	44.4	Lg	10:18:59.192	0.8					T__				___		15329410	FDSN	SK	--	BUD	BUD	HHE	???	_
STZU	1.19	49.4	Pn	10:18:48.800	1.5					T__				___		15329411	FDSN	UA	--	BUD	BUD	MHZ	???	_
STZU	1.19	49.4	Sn	10:19:05.896	-0.1					T__				___		15329412	FDSN	UA	--	BUD	BUD	MHZ	???	_
VYHS	1.63	279.6	Lg	10:19:18.593	-1.2					T__				___		15329413	FDSN	SK	--	BUD	BUD	HHN	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/04/12 10:31:57.89 1.28 0.31 46.1194 18.0731 9.2 4.9 117 0.0S 7 5 119 0.04 1.11 m kx BUD 15296335 iLoc 191
 2019/04/12 10:31:57.32f 0.62 46.1254 18.0152f 0.0S 7 129 0.07 1.10 a kx BUD_GT 15327737 BUD 220
 (GT info : GT2 explosion)
 (description : known quarry blast)
 (locality : Bükkösd-II Hungary)

Magnitude Err Nsta Author OrigID

Sta	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	122.2	Pg	10:31:59.557	0.1					T__		1746.9		___	MLv	15329414	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.07	122.2	Lg	10:32:00.631	-0.7					T__				___		15329415	FDSN	HU	--	BUD	BUD	BHN	???	_
A273A	0.25	213.6	Lg	10:32:07.649	0.9					T__				___		15329416	FDSN	Z3	--	BUD	BUD	HHE	???	_
A266A	0.44	23.3	Lg	10:32:13.931	0.3					T__				___		15329419	FDSN	Z3	00	BUD	BUD	HHN	???	_
MORH	0.45	78.1	Pg	10:32:06.586	-0.1					T__		10.5		___	MLv	15329417	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.45	78.1	Lg	10:32:12.818	-1.0					T__				___		15329418	FDSN	HU	--	BUD	BUD	BHN	???	_
MPLH	1.10	342.8	Lg	10:32:35.873	0.5					T__				___		15329420	FDSN	HU	--	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/04/12	10:35:45.50	1.63	0.47	48.2871	21.2258	16.2	3.8	156	0.0S	6	3	202	0.01	0.97	m	kx	BUD	15296352	iLoc			316
2019/04/12	10:35:44.67f		0.64	48.2470	21.2460f				0.0S	6		255	0.05	0.96	a	kx	BUD_GT	15327741	BUD			315

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.3	3 BUD	15296352
ML	1.8	0.4	3 ILOC	15327741

Sta	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	10:35:46.088	-0.2					T__		8710.9		---	MLv	15329421	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
ABAH	0.05	355.1	Lg	10:35:46.879	-0.9					T__				---		15329422	FDSN	HU	--	BUD	BUD	HHE	???	_
(Station ML : 2.4 1																								
KECS	0.56	295.3	Pg	10:35:56.117	0.2					T__		95.3		---	MLv	15329423	FDSN	SK	--	BUD	BUD	EHE	EHZ	_
KECS	0.56	295.3	Lg	10:36:04.689	0.2					T__				---		15329424	FDSN	SK	--	BUD	BUD	EHE	???	_
(Station ML : 1.8 1																								
PSZ	0.96	250.6	Pg	10:36:06.156	1.2					T__		33.0		---	MLv	15329425	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.96	250.6	Lg	10:36:19.639	0.2					T__				---		15329426	FDSN	GE	--	BUD	BUD	BHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/04/13	04:04:02.69	0.85	0.84	48.7685	19.8378	4.5	3.7	33	10.8F	17.9	16	9	74	0.45	1.45	m	ke	BUD	15296373	iLoc			124

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.3	8 ILOC	15296373

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
LANS	0.45	327.6	Pg	04:04:12.233	0.3					T__		307.2		---	MLv	15296375	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
LANS	0.45	327.6	Lg	04:04:18.115	-0.1					T__				---		15296376	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 2.0 1																								
KECS	0.52	123.4	Pg	04:04:13.389	0.3					T__		214.1		---	MLv	15296377	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.52	123.4	Lg	04:04:20.187	-0.5					T__				---		15296378	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 2.1 0																								
VYHS	0.72	247.9	Pg	04:04:17.560	0.3					T__		7.8		---	MLv	15296379	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.72	247.9	Lg	04:04:26.813	-0.8					T__				---		15296380	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 0.8 0																								
NIE	0.72	25.5	Pg	04:04:16.712	0.3					T__		19.2		---	MLv	15296381	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.72	25.5	Lg	04:04:25.242	-1.1					T__				---		15296382	FDSN	PL	--	BUD	iLoc	BHE	???	_
(Station ML : 1.2 1																								
PSZ	0.85	177.4	Pn	04:04:20.646	0.8					T__		36.3		---	MLv	15296383	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.85	177.4	Sn	04:04:31.922	-1.7					T__				---		15296384	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.5 1																								
ABAH	1.04	116.4	Pg	04:04:23.697	0.6					T__		37.5		---	MLv	15296385	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	1.04	116.4	Sn	04:04:37.167	-0.7					T__				---		15296386	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.7 1																								
A335A	1.05	252.7	Pn	04:04:23.285	0.8					T__		41.6		---	MLv	15296387	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A335A	1.05	252.7	Sn	04:04:37.604	-0.9					T__				---		15296388	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 1.7 1																								

STHS	1.13	54.4	Sn	04:04:40.343	-0.4	T__										15296389	FDSN	SK	--	BUD	iLoc	EHN	???	_
OJC	1.45	359.0	Pg	04:04:31.129	0.3	T__					37.7					15296390	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/04/15	03:42:29.60	0.06	0.22	48.9540	18.4165	0.5	0.3	244	11.6F	0.7	28		75	0.15	1.55	a	ke IPEC	15271625	ISC			360
2019/04/15	03:42:33.00			49.0400	18.2300				0.0A		18					a	ke PRU	15271623	ISC			360
2019/04/15	03:42:29.11	0.29	1.16	48.9630	18.4709	2.9	1.3	70	11.7F	0.0	17		4	1.92	2.02	a	ke VIE	15271619	ISC			360
2019/04/15	03:42:29.18	0.77	1.06	48.9291	18.3739	3.5	2.6	47	5.5F	7.7	53	24	46	0.47	3.16	m	ke BUD	15296424	iLoc			77

Magnitude	Err	Nsta	Author	OrigID
ML	1.8		IPEC	15271625
mb	1.6		VIE	15271619
ml	2.0		VIE	15271619
ML	2.1	0.1	9 ILOC	15296424

Sta	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	261.7	Pg	03:42:39.142	0.2					T__						15296426	FDSN	CZ	--	BUD	iLoc	BH	???	_
JAVC	0.47	261.7	Lg	03:42:46.000	-0.3					T__		28.3	0.34			15296427	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	0.47	261.7	Lg	03:42:46.000	-0.3					T__						15296428	FDSN	IR	--	ISC	iLoc	???	???	_
A335A	0.48	183.0	Pg	03:42:39.335	0.3					T__		724.9			MLv	15296429	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A335A	0.48	183.0	Lg	03:42:46.341	-0.2					T__						15296430	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 2.5 0																								
VYHS	0.53	144.7	Pg	03:42:39.931	-0.1					T__		33.0			MLv	15296431	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.53	144.7	Lg	03:42:47.532	-0.3					T__						15296432	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.3 0																								
LANS	0.75	72.5	Pg	03:42:43.051	-1.1					T__		152.3			MLv	15296433	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 2.1 1																								
MODS	0.92	233.0	Pn	03:42:47.740	-0.3					T__						15296434	FDSN	SK	--	BUD	iLoc	HHE	???	_
MODS	0.92	233.0	Lg	03:43:01.047	-0.2					T__						15296435	FDSN	SK	--	BUD	iLoc	HHE	???	_
OKC	0.92	350.8	Pg	03:42:46.653	0.4					T__		57.0			MLv	15296436	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_
OKC	0.92	350.8	Lg	03:42:59.335	1.0					T__						15296437	FDSN	CZ	--	BUD	iLoc	BHE	???	_
(Station ML : 1.8 1																								
LOSC	0.95	316.9	Pg	03:42:47.200	0.2					T__						15296438	FDSN	IR	--	ISC	iLoc	???	???	_
LOSC	0.95	316.9	Lg	03:43:00.100	-0.2					T__						15296439	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	1.01	327.7	Pg	03:42:48.462	0.6					T__						15296440	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MORC	1.01	327.7	Lg	03:43:00.947	-1.0					T__						15296441	FDSN	CZ	--	BUD	iLoc	BHE	???	_
MORC	1.01	327.7	Lg	03:43:01.100	-0.8					T__						15296442	FDSN	IR	--	ISC	iLoc	???	???	_
SRO	1.12	182.1	Sn	03:43:08.093	0.6					T__						15296443	FDSN	SK	--	BUD	iLoc	EHN	???	_
A270A	1.17	158.1	Pn	03:42:52.621	1.4					T__		107.4			MLv	15296444	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A270A	1.17	158.1	Sn	03:43:08.467	-0.3					T__						15296445	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 2.2 1																								
VRAC	1.23	288.6	Pn	03:42:52.100	-0.3					T__						15296446	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.23	288.6	Pg	03:42:52.200	-0.1					T__						15296447	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.23	288.6	Sn	03:43:08.500	-2.1					T__		10.2	0.31			15296448	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.23	288.6	Sn	03:43:08.500	-2.1					T__						15296449	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.23	288.6	Pn	03:42:52.373	-0.0					T__						15296450	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.23	288.6	Sn	03:43:09.711	-0.9					T__						15296451	FDSN	CZ	--	BUD	iLoc	BHN	???	_
KRUC	1.31	276.6	Pn	03:42:53.011	-0.5					T__						15296452	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	1.31	276.6	Sn	03:43:10.291	-2.3					T__						15296453	FDSN	CZ	--	BUD	iLoc	BHN	???	_
NIE	1.36	68.1	Pg	03:42:55.570	0.9					T__						15296454	FDSN	IR	--	ISC	iLoc	???	???	_
NIE	1.36	68.2	Pg	03:42:55.432	0.6					T__		37.2			MLv	15296455	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_

NIE	1.36	68.2	Sn	03:43:15.618	1.1	T__								15296456	FDSN	PL	--	BUD	iLoc	BHE	???	_	
				(Station ML : 1.8 1																			
PSZ	1.43	134.4	Pg	03:42:57.708	-0.6	T__		67.5			MLv			15296457	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	1.43	134.4	Sn	03:43:16.319	0.5	T__								15296458	FDSN	GE	--	BUD	iLoc	BHN	???	_	
				(Station ML : 2.1 1																			
KECS	1.47	106.9	Pn	03:42:56.200	0.8	T__		0.1						15296459	FDSN	IR	--	ISC	iLoc	???	???	_	
KECS	1.47	106.9	Lg	03:43:18.482	0.8	T__								15296460	FDSN	SK	--	BUD	iLoc	EHE	???	_	
OJC	1.59	35.1	Pn	03:42:57.590	-0.1	T__								15296461	FDSN	IR	--	ISC	iLoc	???	???	_	
OJC	1.59	35.1	Pn	03:42:58.406	0.8	T__		67.8			MLv			15296462	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_	
OJC	1.59	35.1	Sn	03:43:17.195	-2.9	T__								15296463	FDSN	PL	--	BUD	iLoc	BHE	???	_	
				(Station ML : 2.2 1																			
RONA	1.85	229.2	Pn	03:43:02.710	1.6	T__		0.5	0.16					15296464	FDSN	IR	--	ISC	iLoc	???	???	_	
CONA	1.95	240.0	Pn	03:43:03.652	1.0	T__		71.1			MLv			15296465	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_	
CONA	1.95	240.0	Sn	03:43:28.768	0.7	T__								15296466	FDSN	OE	--	BUD	iLoc	BHE	???	_	
CONA	1.95	240.0	Pn	03:43:03.768	1.1	T__		0.1	0.12					15296467	FDSN	IR	--	ISC	iLoc	???	???	_	
CONA	1.95	240.0	Sn	03:43:27.598	-0.5	T__		1.4	0.28					15296468	FDSN	IR	--	ISC	iLoc	???	???	_	
				(Station ML : 2.4 1																			
DPC	1.95	317.6	Pg	03:43:05.500	0.2	T__								15296469	FDSN	IR	--	ISC	iLoc	???	???	_	
DPC	1.95	317.6	Lg	03:43:30.000	-1.1	T__		6.8	0.70					15296470	FDSN	IR	--	ISC	iLoc	???	???	_	
OSTC	2.15	320.1	Pg	03:43:08.900	0.1	T__								15296471	FDSN	IR	--	ISC	iLoc	???	???	_	
OSTC	2.15	320.1	Lg	03:43:36.000	-0.8	T__		10.7	0.70					15296472	FDSN	IR	--	ISC	iLoc	???	???	_	
UPC	2.20	316.8	Pg	03:43:11.500	1.8	T__								15296473	FDSN	IR	--	ISC	iLoc	???	???	_	
UPC	2.20	316.8	Lg	03:43:38.900	0.4	T__		13.2	0.90					15296474	FDSN	IR	--	ISC	iLoc	???	???	_	
CHVC	2.24	318.7	Pg	03:43:09.000	-1.5	T__								15296475	FDSN	IR	--	ISC	iLoc	???	???	_	
CHVC	2.24	318.7	Lg	03:43:38.500	-1.2	T__		16.7	1.20					15296476	FDSN	IR	--	ISC	iLoc	???	???	_	
PRU	2.72	294.4	Lg	03:43:54.100	-1.5	T__		3.9	0.60					15296477	FDSN	IR	--	ISC	iLoc	???	???	_	
KHC	3.16	275.5	Lg	03:44:09.400	-1.8	T__		4.4	0.90					15296478	FDSN	IR	--	ISC	iLoc	???	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/04/15 08:37:24.30 1.97 1.43 48.5634 20.8093 20.9 6.5 11 0.0S 11 7 130 0.23 1.65 m sx BUD 15296528 iLoc 202
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.7 0.4 6 ILOC 15296528

Sta	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	249.7	Pg	08:37:29.050	-0.0					T__		3306.8			MLv	15296530	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_	
KECS	0.23	249.7	Lg	08:37:33.075	0.3					T__						15296531	FDSN	SK	--	BUD	iLoc	EHN	???	_	
				(Station ML : 2.5 0																					
ABAH	0.39	132.9	Pn	08:37:34.383	-2.8					T__		100.6			MLv	15296532	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ABAH	0.39	132.9	Lg	08:37:39.410	0.2					T__						15296533	FDSN	HU	--	BUD	iLoc	HHE	???	_	
				(Station ML : 1.4 1																					
PSZ	0.89	223.8	Pn	08:37:43.216	0.1					T__		81.0			MLv	15296534	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	0.89	223.8	Sn	08:37:56.047	-2.3					T__						15296535	FDSN	GE	--	BUD	iLoc	BHE	???	_	
				(Station ML : 1.9 1																					
NIE	0.92	339.3	Pn	08:37:44.887	1.3					T__		25.3			MLv	15296536	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_	
				(Station ML : 1.4 1																					
TRPA	1.23	109.9	Lg	08:38:06.190	-0.5					T__						15296537	FDSN	HU	--	BUD	iLoc	BHN	???	_	
VYHS	1.31	267.7	Pn	08:37:49.606	0.6					T__		11.0			MLv	15296538	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_	
VYHS	1.31	267.7	Sn	08:38:08.011	-0.6					T__						15296539	FDSN	SK	--	BUD	iLoc	HHN	???	_	

(Station ML : 1.3 0
A335A 1.65 266.9 Pg 08:37:56.638 -0.6 T__ 73.7 ___ MLv 15296540 FDSN Z3 00 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
2019/04/15 08:42:16.56 2.56 0.96 47.3523 18.4234 17.8 7.8 134 0.0S 8 6 112 0.11 1.18 m sx BUD 15296566 iLoc 215
(description : suspected quarry blast)
(locality : Gánt Hungary)

Magnitude Err Nsta Author OrigID

Sta	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	275.7	Pg	08:42:19.401	-0.0					T__		1037.8		___	MLv	15296568	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.11	275.7	Lg	08:42:21.046	-1.1					T__					___	15296569	FDSN	HU	--	BUD	iLoc	HNN	???	_
CSKK	0.11	275.6	Pg	08:42:19.300	-0.1					T__		10.5			___	15296570	FDSN	IR	--	ISC	iLoc	???	???	_
A269A	0.29	354.5	Lg	08:42:27.915	-0.2					T__					___	15296571	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A268A	0.35	283.3	Lg	08:42:31.520	1.4					T__					___	15296572	FDSN	Z3	00	BUD	iLoc	HNN	???	_
PSZ	1.14	59.8	Sn	08:42:57.538	0.8					T__					___	15296573	FDSN	GE	--	BUD	iLoc	BHE	???	_
MORH	1.15	172.3	Sn	08:42:56.326	0.4					T__					___	15296574	FDSN	HU	--	BUD	iLoc	BHN	???	_
VYHS	1.18	13.5	Pn	08:42:40.158	0.8					T__		8.3		___	MLv	15296575	FDSN	SK	--	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
2019/04/15 22:14:42.80 0.40 45.5910 18.4760 0.1 0.0 0.0F 0.0 15 1.03 2.06 a ke BEO 15271696 ISC 360
2019/04/15 22:14:42.60 0.42 45.5080 18.4800 0.0 0.0 7.4F 2.7 25 0.82 2.27 a ke RHSSO 15271693 ISC 360
2019/04/15 22:14:40.56 1.16 1.56 45.5898 18.5238 5.2 2.8 43 0.2F 1.9 71 33 80 0.58 2.51 m ke BUD 15296585 iLoc 94

Magnitude Err Nsta Author OrigID
ML 1.9 BEO 15271696
ML 2.0 RHSSO 15271693
ML 2.4 0.2 17 ILOC 15296585

Sta	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	0.58	329.4	Pg	22:14:52.157	-0.5					T__		72.5		___	MLv	15296587	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
KOVH	0.58	329.4	Lg	22:14:59.794	-1.3					T__					___	15296588	FDSN	HU	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.7 0																									
A273A	0.59	303.6	Pg	22:14:52.855	0.0					T__		8.2		___	MLv	15296589	FDSN	Z3	--	BUD	iLoc	HHZ	HHZ	_	
A273A	0.59	303.6	Lg	22:15:01.025	0.1					T__					___	15296590	FDSN	Z3	--	BUD	iLoc	HHE	???	_	
(Station ML : 0.7 0																									
MORH	0.63	7.6	Pg	22:14:53.359	-0.1					T__		62.6		___	MLv	15296591	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
MORH	0.63	7.6	Lg	22:15:02.500	-0.8					T__					___	15296592	FDSN	HU	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.6 0																									
DOB	0.91	199.4	Lg	22:15:10.000	0.1					T__					___	15296593	FDSN	IR	--	ISC	iLoc	???	???	_	
A266A	0.95	349.2	Pn	22:14:59.729	-0.1					T__		417.5		___	MLv	15296594	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A266A	0.95	349.2	Lg	22:15:14.294	0.4					T__					___	15296595	FDSN	Z3	00	BUD	iLoc	HNN	???	_	
(Station ML : 2.7 1																									
A265A	0.98	329.0	Pn	22:15:00.283	0.1					T__		222.1		___	MLv	15296596	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A265A	0.98	329.0	Lg	22:15:14.880	0.9					T__					___	15296597	FDSN	Z3	00	BUD	iLoc	HNN	???	_	
(Station ML : 2.4 1																									
FRGS	1.00	115.0	Pg	22:15:00.300	0.4					T__					___	15296598	FDSN	IR	--	ISC	iLoc	???	???	_	

FRGS	1.00	115.0	Sn	22:15:15.000	-1.4	T__			15296599	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	1.00	115.0	Lg	22:15:15.600	-1.1	T__			15296600	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	1.00	115.0	Sg	22:15:15.700	-1.0	T__	0.1		15296601	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	1.03	115.7	Pg	22:15:00.774	0.3	T__	84.4	MLv	15296602	FDSN	SJ	--	BUD	iLoc	HHZ	HHZ	_
FRGS	1.03	115.7	Sn	22:15:15.458	-1.9	T__			15296603	FDSN	SJ	--	BUD	iLoc	HHE	???	_
(Station ML	:	2.0	1														
A264A	1.03	303.9	Pn	22:15:00.617	-0.5	T__	227.6	MLv	15296604	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A264A	1.03	303.9	Lg	22:15:14.669	-0.6	T__			15296605	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML	:	2.4	1														
BELGA	1.06	313.7	Pn	22:15:01.322	-0.1	T__	220.7	MLv	15296606	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BELGA	1.06	313.7	Sn	22:15:17.784	0.5	T__			15296607	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML	:	2.4	1														
SLATY	1.15	229.1	Pn	22:15:01.500	-1.5	T__			15296608	FDSN	IR	--	ISC	iLoc	???	???	_
SLATY	1.15	229.1	Lg	22:15:17.600	0.3	T__			15296609	FDSN	IR	--	ISC	iLoc	???	???	_
DARVA	1.19	309.6	Pn	22:15:02.712	-0.6	T__	168.2	MLv	15296610	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
DARVA	1.19	309.6	Lg	22:15:21.354	1.0	T__			15296611	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML	:	2.4	1														
BLY	1.24	230.3	Pn	22:15:04.146	-0.2	T__	74.6	MLv	15296612	FDSN	MN	--	BUD	iLoc	BHZ	BHZ	_
BLY	1.24	230.3	Sn	22:15:22.026	0.0	T__			15296613	FDSN	MN	--	BUD	iLoc	BHE	???	_
(Station ML	:	2.1	1														
MOSL	1.24	271.7	Pn	22:15:03.250	-1.1	T__			15296614	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	1.24	271.7	Lg	22:15:16.450	-4.8	T__			15296615	FDSN	IR	--	ISC	iLoc	???	???	_
TEKS	1.26	145.3	Pn	22:15:04.500	0.3	T__			15296616	FDSN	IR	--	ISC	iLoc	???	???	_
TEKS	1.26	145.3	Pg	22:15:05.400	1.1	T__			15296617	FDSN	IR	--	ISC	iLoc	???	???	_
TEKS	1.26	145.3	Sn	22:15:20.700	-1.8	T__			15296618	FDSN	IR	--	ISC	iLoc	???	???	_
TEKS	1.26	145.3	Lg	22:15:21.600	-3.8	T__			15296619	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	1.27	228.9	Pn	22:15:04.000	-0.7	T__			15296620	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	1.27	228.9	Lg	22:15:20.100	-1.1	T__			15296621	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	1.27	228.9	Sg	22:15:21.500	0.3	T__	0.1		15296622	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML	:	2.1	1														
A051A	1.28	243.7	Pn	22:15:03.900	-1.2	T__			15296623	FDSN	IR	--	ISC	iLoc	???	???	_
A051A	1.28	243.7	Lg	22:15:21.700	-0.2	T__			15296624	FDSN	IR	--	ISC	iLoc	???	???	_
A263A	1.35	321.8	Lg	22:15:25.413	0.2	T__			15296625	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A267A	1.36	358.8	Pn	22:15:06.089	0.7	T__	111.5	MLv	15296626	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A267A	1.36	358.8	Sn	22:15:26.785	2.0	T__			15296627	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML	:	2.3	1														
TIH	1.38	341.6	Pn	22:15:05.830	0.0	T__	214.5	MLv	15296628	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Station ML	:	2.6	1														
BEHE	1.50	306.5	Pg	22:15:09.900	0.2	T__			15296629	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	1.50	306.5	Lg	22:15:31.100	1.2	T__			15296630	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	1.50	306.5	Pn	22:15:09.258	1.6	T__	176.0	MLv	15296631	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
(Station ML	:	2.6	1														
A261A	1.66	325.5	Lg	22:15:38.097	3.0	T__			15296632	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KNYS	1.71	246.6	Pn	22:15:12.600	1.7	T__			15296633	FDSN	IR	--	ISC	iLoc	???	???	_
KNYS	1.71	246.6	Sn	22:15:33.400	-0.3	T__			15296634	FDSN	IR	--	ISC	iLoc	???	???	_
MPLH	1.72	337.0	Pn	22:15:10.896	0.4	T__	64.5	MLv	15296635	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
(Station ML	:	2.3	1														
A050A	1.80	232.6	Pn	22:15:13.000	0.5	T__			15296636	FDSN	IR	--	ISC	iLoc	???	???	_
A050A	1.80	232.6	Sn	22:15:34.900	-1.9	T__			15296637	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	1.80	299.3	Pn	22:15:13.175	1.3	T__	420.7	MLv	15296638	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	1.80	299.3	Lg	22:15:40.092	1.4	T__			15296639	FDSN	SL	--	BUD	iLoc	BHE	???	_
(Station ML	:	3.1	0														
DIVS	1.82	144.5	Pg	22:15:15.300	1.1	T__			15296640	FDSN	IR	--	ISC	iLoc	???	???	_

DIVS	1.82	144.5	Sn	22:15:38.700	2.1	T__	---	---	15296641	FDSN	IR	--	ISC	iLoc	???	???	_		
BBLs	1.83	159.7	Pn	22:15:14.000	1.5	T__	---	---	15296642	FDSN	IR	--	ISC	iLoc	???	???	_		
BBLs	1.83	159.7	Sn	22:15:36.500	-0.1	T__	---	---	15296643	FDSN	IR	--	ISC	iLoc	???	???	_		
BBLs	1.83	159.7	Lg	22:15:40.700	-2.1	T__	---	---	15296644	FDSN	IR	--	ISC	iLoc	???	???	_		
TRUS	1.91	134.9	Pg	22:15:16.900	1.4	T__	---	---	15296645	FDSN	IR	--	ISC	iLoc	???	???	_		
TRUS	1.91	134.9	Sn	22:15:42.600	4.3	T__	---	---	15296646	FDSN	IR	--	ISC	iLoc	???	???	_		
VRSS	2.03	102.3	Pg	22:15:20.500	2.3	T__	---	---	15296647	FDSN	IR	--	ISC	iLoc	???	???	_		
VRSS	2.03	102.3	Sn	22:15:46.600	5.2	T__	---	---	15296648	FDSN	IR	--	ISC	iLoc	???	???	_		
RUDD	2.06	162.7	Pn	22:15:15.900	0.2	T__	---	---	15296649	FDSN	IR	--	ISC	iLoc	???	???	_		
RUDD	2.06	162.7	Sn	22:15:41.900	0.0	T__	---	---	15296650	FDSN	IR	--	ISC	iLoc	???	???	_		
CRES	2.16	277.4	Pn	22:15:17.903	0.7	T__	---	430.5	---	MLv	15296651	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	2.16	277.4	Pn	22:15:18.700	1.5	T__	---	---	---	---	15296652	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	2.16	277.4	Sn	22:15:45.100	0.7	T__	---	---	---	---	15296653	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 3.3 0)																			
BOJS	2.30	269.0	Pn	22:15:20.800	1.7	T__	---	---	---	---	15296654	FDSN	IR	--	ISC	iLoc	???	???	_
BOJS	2.30	269.0	Sn	22:15:48.500	0.6	T__	---	---	---	---	15296655	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	2.51	21.5	Pn	22:15:20.993	-0.7	T__	---	62.8	---	MLv	15296656	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	2.51	21.5	Lg	22:16:04.833	-1.1	T__	---	---	---	---	15296657	FDSN	GE	--	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
 2019/04/16 09:08:02.85 1.07 0.48 48.5647 20.7569 7.4 3.9 1 0.0S 11 6 92 0.20 1.28 m sx BUD 15296729 iLoc 161
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.6 0.4 4 ILOC 15296729

Sta	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	0.20	245.8	Pg	09:08:07.011	-0.0					T__		1426.0		---	MLv	15296731	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.20	245.8	Lg	09:08:10.224	-0.1					T__				---	---	15296732	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.20	245.8	Lg	09:08:11.100	0.8					T__		1.4		---	---	15296733	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.0 1)																								
ABAH	0.42	129.7	Pg	09:08:11.646	0.2					T__		85.8		---	MLv	15296734	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.42	129.7	Lg	09:08:18.229	-0.5					T__				---	---	15296735	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.4 1)																								
PSZ	0.87	222.0	Pg	09:08:20.595	-0.5					T__		68.8		---	MLv	15296736	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.87	222.0	Lg	09:08:33.773	-0.4					T__				---	---	15296737	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.8 1)																								
NIE	0.90	341.3	Lg	09:08:32.417	-0.4					T__				---	---	15296738	FDSN	PL	--	BUD	iLoc	BHE	???	_
KOLS	1.07	69.2	Lg	09:08:39.968	0.2					T__				---	---	15296739	FDSN	SK	--	BUD	iLoc	HHN	???	_
VYHS	1.28	267.5	Pn	09:08:27.640	0.5					T__		8.9		---	MLv	15296740	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.28	267.5	Sn	09:08:46.373	0.0					T__				---	---	15296741	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
 2019/04/16 09:17:08.10 0.37 45.5990 17.3060 0.0 0.0 5.0A 16 0.65 1.89 a ke RHSSO 15271782 ISC 360
 2019/04/16 09:17:07.38 1.15 0.91 45.5788 17.2629 5.6 4.1 19 0.5F 3.0 47 21 65 0.36 1.91 m ke BUD 15296760 iLoc 128

Magnitude Err Nsta Author OrigID

ML 1.6 RHSSO 15271782
 ML 2.3 0.2 13 ILOC 15296760

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L			
MOSL	0.36	275.7	Pg	09:17:14.450	-0.5					T__						15296762	FDSN	IR	--	ISC	iLoc	???	???	_			
MOSL	0.36	275.7	Lg	09:17:19.550	-0.4					T__						15296763	FDSN	IR	--	ISC	iLoc	???	???	_			
A273A	0.51	48.7	Pg	09:17:17.567	-0.4					T__		4.3		---	MLv	15296764	FDSN	Z3	--	BUD	iLoc	HHZ	HHZ	_			
A273A	0.51	48.7	Lg	09:17:25.287	0.4					T__				---		15296765	FDSN	Z3	--	BUD	iLoc	HHE	???	_			
(Station ML : 0.4 0																											
A264A	0.58	1.8	Pg	09:17:20.704	1.3					T__		382.9		---	MLv	15296766	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_			
A264A	0.58	1.8	Lg	09:17:28.081	0.7					T__				---		15296767	FDSN	Z3	00	BUD	iLoc	HHN	???	_			
(Station ML : 2.4 1																											
A051A	0.62	204.1	Pg	09:17:19.300	-0.4					T__						15296768	FDSN	IR	--	ISC	iLoc	???	???	_			
A051A	0.62	204.1	Lg	09:17:29.400	1.5					T__						15296769	FDSN	IR	--	ISC	iLoc	???	???	_			
BELGA	0.75	8.1	Pg	09:17:23.070	0.5					T__		222.4		---	MLv	15296770	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_			
BELGA	0.75	8.1	Lg	09:17:33.603	0.8					T__				---		15296771	FDSN	HU	--	BUD	iLoc	HHE	???	_			
(Station ML : 2.3 1																											
DARVA	0.77	356.6	Pg	09:17:23.340	0.4					T__		492.5		---	MLv	15296772	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_			
DARVA	0.77	356.6	Lg	09:17:35.099	1.7					T__				---		15296773	FDSN	HU	--	BUD	iLoc	HHE	???	_			
(Station ML : 2.6 1																											
KOVH	0.78	48.7	Pg	09:17:21.956	-1.2					T__		186.7		---	MLv	15296774	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_			
(Station ML : 2.2 1																											
KALN	0.79	314.7	Pg	09:17:23.030	-0.4					T__						15296775	FDSN	IR	--	ISC	iLoc	???	???	_			
KALN	0.79	314.7	Lg	09:17:32.870	-1.3					T__						15296776	FDSN	IR	--	ISC	iLoc	???	???	_			
BLY	0.79	184.2	Pg	09:17:21.714	-1.1					T__		61.8		---	MLv	15296777	FDSN	MN	--	BUD	iLoc	BHZ	BHZ	_			
BLY	0.83	183.9	Pg	09:17:23.400	-0.1					T__						15296778	FDSN	IR	--	ISC	iLoc	???	???	_			
BLY	0.83	183.9	Lg	09:17:35.500	1.4					T__						15296779	FDSN	IR	--	ISC	iLoc	???	???	_			
(Station ML : 1.7 1																											
A265A	0.92	23.5	Pg	09:17:25.900	-0.1					T__		650.6		---	MLv	15296780	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_			
A265A	0.92	23.5	Lg	09:17:39.131	0.3					T__				---		15296781	FDSN	Z3	00	BUD	iLoc	HHZ	???	_			
(Station ML : 2.8 0																											
BEHE	0.95	339.3	Pg	09:17:24.900	-1.7					T__						15296782	FDSN	IR	--	ISC	iLoc	???	???	_			
BEHE	0.95	339.3	Lg	09:17:38.300	-1.1					T__						15296783	FDSN	IR	--	ISC	iLoc	???	???	_			
BEHE	0.95	339.3	Pg	09:17:26.803	0.2					T__		165.6		---	MLv	15296784	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_			
BEHE	0.95	339.3	Sn	09:17:41.102	-0.2					T__				---		15296785	FDSN	HU	--	BUD	iLoc	BHE	???	_			
(Station ML : 2.2 1																											
KNYS	0.96	224.4	Pg	09:17:26.500	0.9					T__						15296786	FDSN	IR	--	ISC	iLoc	???	???	_			
KNYS	0.96	224.4	Lg	09:17:40.000	1.5					T__						15296787	FDSN	IR	--	ISC	iLoc	???	???	_			
PTJ	0.96	290.4	Pg	09:17:25.869	-0.4					T__		100.7		---	MLv	15296788	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_			
PTJ	0.96	290.4	Lg	09:17:40.514	1.3					T__						15296789	FDSN	CR	--	BUD	iLoc	BHN	???	_			
PTJ	0.96	290.4	Pg	09:17:25.420	-1.1					T__						15296790	FDSN	IR	--	ISC	iLoc	???	???	_			
PTJ	0.96	290.4	Lg	09:17:38.760	-1.2					T__						15296791	FDSN	IR	--	ISC	iLoc	???	???	_			
(Station ML : 2.0 1																											
LOBO	1.01	305.1	Pg	09:17:26.140	-1.2					T__						15296792	FDSN	IR	--	ISC	iLoc	???	???	_			
LOBO	1.01	305.1	Lg	09:17:39.490	-1.2					T__						15296793	FDSN	IR	--	ISC	iLoc	???	???	_			
KOGS	1.12	321.3	Pn	09:17:29.677	0.3					T__		329.8		---	MLv	15296794	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_			
KOGS	1.12	321.3	Lg	09:17:45.291	1.5					T__				---		15296795	FDSN	SL	--	BUD	iLoc	BHN	???	_			
(Station ML : 2.6 0																											
MORH	1.16	56.1	Pn	09:17:28.708	-0.8					T__		16.2		---	MLv	15296796	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_			
MORH	1.16	56.1	Lg	09:17:45.118	-0.3					T__				---		15296797	FDSN	HU	--	BUD	iLoc	BHE	???	_			
(Station ML : 1.4 0																											
A266A	1.18	36.0	Pn	09:17:29.943	0.1					T__		179.9		---	MLv	15296798	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_			
(Station ML : 2.4 1																											

Station	Mag	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A050A	1.21	205.6	Pg		09:17:30.400	-0.5					T__						15296799	FDSN	IR	--	ISC	iLoc	???	???	_
A050A	1.21	205.6	Lg		09:17:47.200	-0.2					T__						15296800	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	1.29	281.7	Pn		09:17:32.412	0.3					T__	206.1			MLv		15296801	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	1.29	281.7	Sn		09:17:50.727	0.7					T__						15296802	FDSN	SL	--	BUD	iLoc	BHN	???	_
CRES	1.29	281.7	Pn		09:17:31.500	-0.7					T__						15296803	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	1.29	281.7	Sn		09:17:49.700	-0.3					T__						15296804	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.5 1)																									
BOJS	1.42	267.7	Pn		09:17:34.300	0.4					T__						15296805	FDSN	IR	--	ISC	iLoc	???	???	_
BOJS	1.42	267.7	Sn		09:17:53.900	0.8					T__						15296806	FDSN	IR	--	ISC	iLoc	???	???	_
TEKS	1.91	121.9	Pn		09:17:40.800	0.6					T__						15296807	FDSN	IR	--	ISC	iLoc	???	???	_
TEKS	1.91	121.9	Sn		09:18:05.300	0.5					T__						15296808	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp			
2019/04/16	09:48:46.34	1.75	0.91	47.3567	18.3883	14.0	5.2	152	0.0S		10	8	110	0.09	1.80	m	sx BUD	15296862	iLoc			213			
(description : suspected quarry blast)																									
(locality : Gánt Hungary)																									

Magnitude Err Nsta Author OrigID

Sta	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	274.4	Pg	09:48:48.747	0.0					T__		1585.3			MLv		15296864	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.09	274.4	Lg	09:48:50.150	-1.0					T__							15296865	FDSN	HU	--	BUD	iLoc	HHN	???	_
A269A	0.28	359.2	Lg	09:48:57.247	-0.5					T__							15296866	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A268A	0.32	283.5	Lg	09:48:59.403	0.3					T__							15296867	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A270A	0.65	40.9	Lg	09:49:10.643	0.1					T__							15296868	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	1.09	358.2	Sn	09:49:25.966	0.8					T__							15296869	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MORH	1.15	171.1	Sn	09:49:24.807	-1.1					T__							15296870	FDSN	HU	--	BUD	iLoc	BHE	???	_
PSZ	1.16	60.6	Pn	09:49:09.296	0.3					T__		69.8			MLv		15296871	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	1.16	60.6	Sn	09:49:25.915	-1.1					T__							15296872	FDSN	GE	--	BUD	iLoc	BHE	???	_
CDNA	1.80	289.4	Lg	09:49:45.868	1.1					T__							15296873	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			
2019/04/17	07:24:06.37	0.96	0.22	47.9136	19.4263	9.2	3.4	172	0.0S		7	4	167	0.28	0.91	m	kx BUD	15297241	iLoc			237			
2019/04/17	07:24:08.36f		3.19	48.0061	19.6278f				0.0S		6		132	0.20	0.75	a	kx BUD_GT	15327753	BUD			198			
(GT info : GT2 explosion)																									
(description : known quarry blast)																									
(locality : Nagylóc Hungary)																									

Magnitude Err Nsta Author OrigID

ML	0.8	1.2	3	BUD	15297241
ML	0.8	0.1	3	ILOC	15327753

Sta	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	116.0	Pg	07:24:13.574	0.4					T__		85.4			MLv		15329429	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.20	116.0	Lg	07:24:18.871	1.8					T__							15329430	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 0.8 1)																									
A270A	0.44	248.8	Pg	07:24:12.397	-5.3					---		343.6			MLv		15329427	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A270A	0.44	248.8	Lg	07:24:17.830	-7.2					T__							15329428	FDSN	Z3	00	BUD	BUD	HHN	???	_

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(Station ML : 2.1 1
VYHS 0.72 313.0 Pg 07:24:22.869 -0.2 T__ 8.5 --- MLv 15329431 FDSN SK -- BUD BUD HHZ HHZ _
VYHS 0.72 313.0 Lg 07:24:31.181 -2.5 T__ --- 15329432 FDSN SK -- BUD BUD HHN ??? _
(Station ML : 0.8 1
KECS 0.75 49.9 Sn 07:24:38.174 -0.2 T__ --- 15329433 FDSN SK -- BUD BUD EHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2019/04/17 09:30:55.63 1.49 1.81 48.5927 20.8116 12.6 7.0 3 0.0S 13 7 86 0.24 1.32 m sx BUD 15297263 iLoc 129
(description : suspected quarry blast)
(locality : Dvorniky-Vcelare Slovakia)

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Magnitude Err Nsta Author OrigID
ML 1.5 0.3 6 ILOC 15297263

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Sta 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 0.24 243.3 Pg 09:31:00.840 0.2 T__ 1025.9 --- MLv 15297265 FDSN SK -- BUD iLoc EHE EHZ _
KECS 0.24 243.3 Lg 09:31:04.890 0.3 T__ --- 15297266 FDSN SK -- BUD iLoc EHE ??? _
(Station ML : 2.0 0
ABAH 0.41 136.0 Pn 09:31:05.784 -3.0 T__ 73.2 --- MLv 15297267 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.41 136.0 Lg 09:31:11.094 -0.1 T__ --- 15297268 FDSN HU -- BUD iLoc HHE ??? _
(Station ML : 1.3 1
STHS 0.87 18.9 Pn 09:31:14.398 0.1 T__ 74.2 --- MLv 15297269 FDSN SK -- BUD iLoc EHZ EHZ _
STHS 0.87 18.9 Sn 09:31:26.188 -3.4 T__ --- 15297270 FDSN SK -- BUD iLoc EHN ??? _
(Station ML : 1.9 1
NIE 0.89 338.5 Pn 09:31:17.035 2.5 T__ 19.8 --- MLv 15297271 FDSN PL -- BUD iLoc BHZ BHZ _
NIE 0.89 338.5 Sn 09:31:29.013 -0.9 T__ --- 15297272 FDSN PL -- BUD iLoc BHN ??? _
(Station ML : 1.3 1
PSZ 0.91 222.6 Pn 09:31:13.434 -1.3 T__ 46.3 --- MLv 15297273 FDSN GE -- BUD iLoc BHZ BHZ _
PSZ 0.91 222.6 Lg 09:31:28.116 -0.4 T__ --- 15297274 FDSN GE -- BUD iLoc BHZ ??? _
(Station ML : 1.7 1
HOLU 1.05 93.0 Pn 09:31:17.966 1.5 T__ --- 15297275 FDSN UA -- BUD iLoc MHZ ??? _
VYHS 1.32 266.4 Pg 09:31:21.303 -0.8 T__ 7.5 --- MLv 15297276 FDSN SK -- BUD iLoc HHZ HHZ _
VYHS 1.32 266.4 Sn 09:31:39.316 -0.8 T__ --- 15297277 FDSN SK -- 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
2019/04/17 11:16:12.03 3.03 1.23 47.8023 20.1363 22.3 8.0 170 0.0S 6 4 249 0.20 1.11 m kx BUD 15297303 iLoc 286
2019/04/17 11:16:12.51f 0.98 47.8650 20.1529f 0.0S 6 228 0.18 1.08 a kx BUD_GT 15327759 BUD 267
(GT info : GT2 explosion)
(description : known quarry blast)
(locality : Kiszána Hungary)

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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 0.18 287.2 Pg 11:16:17.046 0.1 T__ 522.2 --- MLv 15329434 FDSN GE -- BUD BUD BHZ BHZ _
PSZ 0.18 287.2 Lg 11:16:19.885 -0.7 T__ --- 15329435 FDSN GE -- BUD BUD BHN ??? _
KECS 0.66 19.7 Lg 11:16:37.837 2.0 T__ --- 15329436 FDSN SK -- BUD BUD EHE ??? _
ABAH 0.85 59.0 Lg 11:16:42.874 -0.2 T__ --- 15329437 FDSN HU -- BUD BUD HHE ??? _

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VYHS	1.08	306.0	Pg	11:16:35.387	1.0	T__	6.7	---	MLv	15329438	FDSN	SK	--	BUD	BUD	HHN	HHZ	_
VYHS	1.08	306.0	Sn	11:16:50.673	-0.3	T__		---		15329439	FDSN	SK	--	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/04/18	08:58:22.54	1.09	0.36	47.8415	19.1651	8.1	3.7	177	0.0S		8	5	191	0.10	1.43	m	kx BUD	15297319	iLoc			235
2019/04/18	08:58:22.60f		0.65	47.8355	19.1270f				0.0S		8		197	0.07	1.41	a	kx BUD_GT	15327763	BUD			236

(GT info : GT2 explosion)
(description : known quarry blast)
(locality : Sejce-Vác Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	1.0	1.9	3 BUD	15297319
ML	1.5	0.7	3 ILOC	15327763

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A270A	0.07	277.6	Pg	08:58:25.183	0.6					T__		4914.3		---	MLv	15329440	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A270A	0.07	277.6	Lg	08:58:26.960	0.5					T__				---		15329441	FDSN	Z3	00	BUD	BUD	HHE	???	_
(Station ML : 2.2 1																								
PSZ	0.52	80.6	Pg	08:58:33.425	-0.6					T__		56.0		---	MLv	15329442	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.52	80.6	Lg	08:58:41.457	-0.9					T__				---		15329443	FDSN	GE	--	BUD	BUD	BHE	???	_
(Station ML : 1.5 1																								
VYHS	0.69	343.6	Pg	08:58:36.845	0.2					T__		13.5		---	MLv	15329444	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
VYHS	0.69	343.6	Lg	08:58:46.567	-0.3					T__				---		15329445	FDSN	SK	--	BUD	BUD	HHN	???	_
(Station ML : 1.0 1																								
KECS	1.12	54.0	Sn	08:59:00.790	-0.9					T__				---		15329446	FDSN	SK	--	BUD	BUD	EHN	???	_
JAVC	1.41	317.1	Sn	08:59:11.024	0.8					T__				---		15329447	FDSN	CZ	--	BUD	BUD	BHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2019/04/19	11:24:30.93	2.53	0.74	46.3131	21.5469	22.9	7.8	121	11.2F	20.9	13	4	244	0.70	1.26	m	ke BUD	15297342	iLoc					282

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.4	4 ILOC	15297342

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
SIRR	0.09	120.7	Pg	11:24:31.420	-2.6					---		6646.0		---	MLv	15297344	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.09	120.7	Lg	11:24:32.522	-3.9					---				---		15297345	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 2.4 1																								
BZS	0.70	174.6	Pg	11:24:44.991	0.4					T__		33.0		---	MLv	15297346	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.70	174.6	Lg	11:24:54.210	0.2					T__				---		15297347	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	0.70	176.0	Pg	11:24:44.439	-0.2					T__				---		15297348	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.70	176.0	Lg	11:24:53.656	-0.4					T__				---		15297349	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.4 1																								
DRGR	0.94	58.8	Pn	11:24:48.459	-0.4					T__				---		15297350	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.94	58.8	Lg	11:25:01.078	-1.1					T__				---		15297351	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.94	58.8	Pn	11:24:48.751	-0.1					T__		61.6		---	MLv	15297352	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.94	58.8	Lg	11:25:02.328	0.2					T__				---		15297353	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.8 1																								
MARR	1.15	71.0	Pn	11:24:52.675	0.7					T__				---		15297354	FDSN	IR	--	ISC	iLoc	???	???	_

MARR	1.15	71.0	Sn	11:25:07.030	-1.4	T__									15297355	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	1.26	136.5	Pn	11:24:54.216	0.6	T__					95.4			---	MLv	15297356	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.26	136.5	Sn	11:25:10.198	-0.7	T__									---	15297357	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.26	136.5	Lg	11:25:11.598	0.2	T__									---	15297358	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	
2019/04/22	07:56:15.25	0.88	1.28	48.2738	19.3388	9.3	3.4	25	11.7F	17.7	13	8	130	0.40	1.38	m	ke	BUD	15297376	iLoc			148

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.0	5 ILOC	15297376

Sta	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	0.40	303.5	Pg	07:56:24.105	0.4					T__		13.8			---	MLv	15297378	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.40	303.5	Lg	07:56:29.820	0.0					T__					---		15297379	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 0.6 0																									
PSZ	0.52	133.5	Pg	07:56:26.742	0.3					T__		40.2			---	MLv	15297380	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.52	133.5	Lg	07:56:34.058	-0.3					T__					---		15297381	FDSN	GE	--	BUD	iLoc	BHZ	???	_
(Station ML : 1.3 1																									
A335A	0.69	284.9	Pg	07:56:29.572	0.3					T__		116.6			---	MLv	15297382	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A335A	0.69	284.9	Lg	07:56:38.368	-1.3					T__					---		15297383	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 2.0 0																									
KECS	0.79	74.2	Pn	07:56:30.870	-0.2					T__		93.7			---	MLv	15297384	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.79	74.2	Lg	07:56:41.853	-0.5					T__					---		15297385	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 1.9 1																									
SR0	0.83	236.6	Sn	07:56:44.412	-0.3					T__					---		15297386	FDSN	SK	--	BUD	iLoc	EHN	???	_
JAVC	1.25	298.5	Pg	07:56:40.480	0.1					T__					---		15297387	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
ABAH	1.27	88.3	Pg	07:56:39.992	-0.3					T__		54.9			---	MLv	15297388	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	1.27	88.3	Sn	07:56:56.442	1.2					T__					---		15297389	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.9 1																									
MODS	1.38	274.9	Sn	07:57:02.115	3.3					T__					---		15297390	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	
2019/04/23	08:26:08.36	1.18	1.17	48.2133	21.2429	11.5	6.9	162	0.0S		18	10	80	0.57	1.97	m	kx	BUD	15297412	iLoc			157
2019/04/23	08:26:08.49f		1.26	48.2470	21.2460f				0.0S		18		78	0.56	2.00	a	kx	BUD_GT	15327767	BUD			153

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

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.2	5 BUD	15297412
ML	2.0	0.2	5 ILOC	15327767

Sta	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	0.56	295.3	Pg	08:26:19.883	0.1					T__		197.1			---	MLv	15329448	FDSN	SK	--	BUD	BUD	EHE	EHZ	_
KECS	0.56	295.3	Lg	08:26:28.118	-0.2					T__					---		15329449	FDSN	SK	--	BUD	BUD	EHN	???	_
(Station ML : 2.1 1																									
HOLU	0.81	69.3	Pn	08:26:25.678	-0.3					T__					---		15329450	FDSN	UA	--	BUD	BUD	MHZ	???	_
HOLU	0.81	69.3	Lg	08:26:38.155	0.4					T__					---		15329451	FDSN	UA	--	BUD	BUD	MHZ	???	_

TRPA	0.87	97.2	Pn	08:26:26.331	-0.5	T__	61.6	---	MLv	15329452	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
TRPA	0.87	97.2	Lg	08:26:39.240	-0.7	T__		---		15329453	FDSN	HU	--	BUD	BUD	BHZ	???	_
(Station ML : 1.8 1																		
PSZ	0.96	250.6	Pg	08:26:28.981	0.2	T__	83.7	---	MLv	15329454	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.96	250.6	Lg	08:26:41.890	-1.4	T__		---		15329455	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 2.0 1																		
KOLS	0.97	44.4	Pn	08:26:28.576	0.2	T__		---		15329457	FDSN	SK	--	BUD	BUD	HHZ	???	_
KOLS	0.97	44.4	Lg	08:26:42.762	0.0	T__		---		15329458	FDSN	SK	--	BUD	BUD	HHE	???	_
MUKU	0.98	77.3	Pn	08:26:28.036	-0.5	T__		---		15329456	FDSN	UA	--	BUD	BUD	MHZ	???	_
STHS	1.17	359.9	Pn	08:26:35.534	4.2	T__	143.8	---	MLv	15329459	FDSN	SK	--	BUD	BUD	EHZ	EHZ	_
STHS	1.17	359.9	Lg	08:26:48.803	0.5	T__		---		15329460	FDSN	SK	--	BUD	BUD	EHN	???	_
(Station ML : 2.3 0																		
STZU	1.19	49.4	Pn	08:26:32.783	1.1	T__		---		15329461	FDSN	UA	--	BUD	BUD	MHZ	???	_
STZU	1.19	49.4	Sn	08:26:51.055	0.7	T__		---		15329462	FDSN	UA	--	BUD	BUD	MHZ	???	_
VYHS	1.63	279.6	Pg	08:26:40.586	-0.5	T__	8.1	---	MLv	15329463	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
VYHS	1.63	279.6	Sn	08:27:01.026	0.8	T__		---		15329464	FDSN	SK	--	BUD	BUD	HHN	???	_
(Station ML : 1.3 0																		
SIRR	2.00	171.7	Lg	08:27:13.173	-2.1	T__		---		15329465	FDSN	RO	--	BUD	BUD	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/04/23	09:10:33.64	0.95	1.28	47.1679	18.0407	4.8	4.1	139	0.0S		13	8	72	0.25	1.46	m	sx BUD	15297453	iLoc			142
(description : suspected quarry blast)																						
(locality : Királyszentistván Hungary)																						

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	0.25	37.4	Lg	09:10:43.800	-0.2					T__						15297455	FDSN	IR	--	ISC	iLoc	???	???	_
CSKK	0.25	37.4	Lg	09:10:43.382	-0.6					T__						15297456	FDSN	HU	--	BUD	iLoc	HHE	???	_
A268A	0.28	343.2	Lg	09:10:45.548	0.7					T__						15297457	FDSN	Z3	00	BUD	iLoc	HHN	???	_
TIH	0.29	200.7	Lg	09:10:45.200	0.5					T__						15297458	FDSN	IR	--	ISC	iLoc	???	???	_
MPLH	0.34	270.6	Pg	09:10:41.062	0.1					T__	108.7			---	MLv	15297459	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.34	270.6	Pg	09:10:41.400	0.4					T__	0.1			---		15297460	FDSN	IR	--	ISC	iLoc	???	???	_
MPLH	0.34	270.6	Lg	09:10:44.386	-2.2					T__				---		15297461	FDSN	HU	--	BUD	iLoc	BHN	???	_
MPLH	0.34	270.6	Lg	09:10:47.600	0.8					T__	0.1			---		15297462	FDSN	IR	--	ISC	iLoc	???	???	_
A267A	0.37	126.1	Lg	09:10:48.877	0.8					T__				---		15297463	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A270A	0.95	44.0	Lg	09:11:07.643	-0.7					T__				---		15297464	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MORH	1.04	156.3	Pn	09:10:54.400	0.3					T__	0.0			---		15297465	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.04	156.3	Lg	09:11:07.400	-2.1					T__	0.0			---		15297466	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	1.46	58.4	Sn	09:11:23.554	1.9					T__				---		15297467	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	
2019/04/23	20:48:48.68	0.44	0.68	47.5504	18.9502				1.1	2.0	13	8	83	0.08	1.35	m	ke BUD	15238777			sysop@krszo		360
2019/04/23	20:48:47.19	0.95	1.28	47.5282	18.9474	7.8	3.8	97	11.5F	7.6	13	8	77	0.07	1.33	m	ke BUD_GT	15297476	iLoc			130	

(GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)

Magnitude	Err	Nsta	Author	OrigID
M	1.3	5	BUD	15238777

MLv 1.3 0.4 5 BUD 15238777
 ML 1.2 0.1 5 ILOC 15297476

Sta	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	0.07	130.7	Pg	20:48:50.458	0.5					T__		192.8		_c_	MLv	15297478	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_		
BUD	0.07	130.7	Lg	20:48:51.739	-0.5					T__				---		15297479	FDSN	HU	--	BUD	iLoc	BHN	???	_		
(Station ML : 0.8 0																										
A270A	0.32	8.6	Pg	20:48:54.735	0.6					T__		96.2		---	MLv	15297480	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
A270A	0.32	8.6	Lg	20:48:58.580	-1.0					T__				---		15297481	FDSN	Z3	00	BUD	iLoc	HHN	???	_		
(Station ML : 1.2 1																										
A269A	0.40	286.3	Lg	20:49:01.568	-0.6					T__				---		15297482	FDSN	Z3	00	BUD	iLoc	HHN	???	_		
A267A	0.66	208.7	Lg	20:49:09.730	-1.1					T__				---		15297483	FDSN	Z3	00	BUD	iLoc	HHE	???	_		
PSZ	0.75	58.2	Pn	20:49:01.502	-1.0					T__		58.7		---	MLv	15297484	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	0.75	58.2	Sn	20:49:12.650	-2.2					T__				---		15297485	FDSN	GE	--	BUD	iLoc	BHE	???	_		
(Station ML : 1.7 0																										
VYHS	0.97	355.6	Pg	20:49:07.951	1.3					T__		11.5		---	MLv	15297486	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_		
VYHS	0.97	355.6	Sn	20:49:18.605	-1.6					T__				---		15297487	FDSN	SK	--	BUD	iLoc	HHN	???	_		
(Station ML : 1.1 1																										
A335A	1.01	336.1	Sn	20:49:20.831	-0.2					T__				---		15297488	FDSN	Z3	00	BUD	iLoc	HHN	???	_		
MORH	1.33	189.1	Pg	20:49:14.208	1.2					T__		26.8		---	MLv	15297489	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_		
MORH	1.33	189.1	Lg	20:49:31.935	-0.3					T__				---		15297490	FDSN	HU	--	BUD	iLoc	BHE	???	_		

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/04/24 09:32:44.77 1.05 1.04 48.3985 19.4893 7.0 4.3 51 0.0S 9 7 122 0.45 1.47 m sx BUD 15297512 iLoc 182
 (description : suspected quarry blast)
 (locality : Tuhár Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.7 1.1 3 ILOC 15297512

Sta	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	0.45	282.6	Pg	09:32:54.171	0.2					T__		22.0		---	MLv	15297514	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_		
VYHS	0.45	282.6	Lg	09:33:00.522	-0.1					T__				---		15297515	FDSN	SK	--	BUD	iLoc	HHN	???	_		
(Station ML : 0.9 1																										
PSZ	0.55	150.4	Pg	09:32:56.948	0.3					T__		75.5		---	MLv	15297516	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	0.55	150.4	Lg	09:33:05.125	-0.2					T__				---		15297517	FDSN	GE	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.7 1																										
A270A	0.64	209.8	Lg	09:33:07.843	-0.3					T__				---		15297518	FDSN	Z3	00	BUD	iLoc	HHE	???	_		
LANS	0.75	358.9	Lg	09:33:09.662	-0.2					T__				---		15297519	FDSN	SK	--	BUD	iLoc	EHE	???	_		
A335A	0.77	274.0	Pn	09:33:01.418	-0.5					T__		335.3		---	MLv	15297520	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
(Station ML : 2.5 1																										
NIE	1.16	27.7	Sn	09:33:23.282	-2.3					T__				---		15297521	FDSN	PL	--	BUD	iLoc	BHN	???	_		
MODS	1.47	269.8	Sn	09:33:34.137	0.8					T__				---		15297522	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
 2019/04/24 19:32:52.91 1.66 1.02 46.2488 19.8810 17.1 5.1 8 4.5F 18.5 11 8 146 0.59 1.67 m ke BUD 15297536 iLoc 174

Magnitude Err Nsta Author OrigID

ML 1.6 0.1 3 ILOC 15297536

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
AMBH	0.59	79.9	Lg	19:33:13.984	-0.3					T__						15297538	FDSN	HU	00	BUD	iLoc	BHN	???	_		
MORH	0.86	268.2	Pn	19:33:09.687	-0.2					T__		13.5			MLv	15297539	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_		
MORH	0.86	268.2	Sn	19:33:21.531	-1.8					T__						15297540	FDSN	HU	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.1 1)																										
A266A	1.15	284.5	Lg	19:33:31.794	-0.5					T__						15297541	FDSN	Z3	00	BUD	iLoc	HHN	???	_		
A267A	1.19	306.4	Sn	19:33:32.485	0.8					T__						15297542	FDSN	Z3	00	BUD	iLoc	HHE	???	_		
SIRR	1.24	88.6	Sn	19:33:33.300	0.3					T__						15297543	FDSN	RO	--	BUD	iLoc	BHE	???	_		
KOVH	1.25	263.3	Pg	19:33:17.720	0.6					T__		30.8			MLv	15297544	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_		
KOVH	1.25	263.3	Lg	19:33:34.650	-0.3					T__						15297545	FDSN	HU	--	BUD	iLoc	BHE	???	_		
(Station ML : 1.7 1)																										
BZS	1.38	116.5	Pg	19:33:19.797	0.2					T__		21.6			MLv	15297546	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
BZS	1.38	116.5	Lg	19:33:38.389	-0.2					T__						15297547	FDSN	RO	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.6 1)																										
PSZ	1.67	0.3	Sn	19:33:45.144	1.6					T__						15297548	FDSN	GE	--	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
2019/04/25	07:50:13.12	2.74	0.73	48.6019	20.7461	23.0	12.7	126	0.0S		10	5	148	0.21	1.27	m	sx	BUD	15297562	iLoc		276
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude Err Nsta Author OrigID
ML 1.7 0.2 4 ILOC 15297562

Sta	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	235.6	Pg	07:50:17.800	0.3					T__		922.9			MLv	15297564	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_		
KECS	0.21	235.6	Lg	07:50:20.000	-1.0					T__		0.9				15297565	FDSN	IR	--	ISC	iLoc	???	???	_		
KECS	0.21	235.6	Sg	07:50:21.000	0.0					T__		0.9				15297566	FDSN	IR	--	ISC	iLoc	???	???	_		
KECS	0.21	235.6	Lg	07:50:21.779	0.8					T__						15297567	FDSN	SK	--	BUD	iLoc	EHE	???	_		
(Station ML : 1.8 1)																										
PSZ	0.89	220.1	Pn	07:50:31.824	-0.1					T__		58.9			MLv	15297568	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	0.89	220.1	Lg	07:50:44.469	-0.7					T__						15297569	FDSN	GE	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.8 1)																										
LANS	1.01	303.5	Pn	07:50:33.561	-0.2					T__		33.7			MLv	15297570	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_		
(Station ML : 1.6 1)																										
KOLS	1.06	71.3	Sn	07:50:50.604	-1.1					T__						15297571	FDSN	SK	--	BUD	iLoc	HHE	???	_		
VYHS	1.27	265.9	Pg	07:50:38.542	-0.2					T__		5.9			MLv	15297572	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_		
VYHS	1.27	265.9	Sn	07:50:56.053	-0.5					T__						15297573	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
2019/04/25	08:03:41.31	1.12	0.68	47.8352	19.1548	8.1	3.7	1	0.0S		8	5	196	0.09	1.10	m	kx	BUD	15297593	iLoc		238
2019/04/25	08:03:41.43f		0.72	47.8355	19.1270f				0.0S		8		197	0.07	1.12	a	kx	BUD_GT	15327777	BUD		238
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Sejce-Vác Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	0.9	1.8	3 BUD	15297593
ML	1.3	0.7	3 ILOC	15327777

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A270A	0.07	277.6	Pg	08:03:43.951	0.5					T__		3236.7		---	MLv	15329466	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A270A	0.07	277.6	Lg	08:03:45.542	0.2					T__				---		15329467	FDSN	Z3	00	BUD	BUD	HHN	???	_
(Station ML : 2.0 1																								
PSZ	0.52	80.6	Pg	08:03:52.555	-0.3					T__		36.7		---	MLv	15329468	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.52	80.6	Lg	08:04:00.034	-1.2					T__				---		15329469	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.3 1																								
VVHS	0.69	343.6	Pg	08:03:55.850	0.4					T__		9.5		---	MLv	15329470	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
VVHS	0.69	343.6	Lg	08:04:05.954	0.3					T__				---		15329471	FDSN	SK	--	BUD	BUD	HHN	???	_
(Station ML : 0.9 1																								
A335A	0.81	319.4	Lg	08:04:09.670	-0.8					T__				---		15329472	FDSN	Z3	00	BUD	BUD	HHE	???	_
KECS	1.12	54.0	Sn	08:04:19.283	-1.2					T__				---		15329473	FDSN	SK	--	BUD	BUD	EHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/04/25	09:33:40.00	2.34	0.90	46.1063	18.0066	17.7	6.0	46	0.0S		6	4	229	0.07	0.46	m	sx BUD	15297616	iLoc			277
(description : suspected quarry blast)																						
(locality : Bükkösd-II Hungary)																						

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	0.07	105.4	Pg	09:33:42.419	0.4					T__		1156.1		---	MLv	15297618	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.07	105.4	Lg	09:33:43.319	-0.6					T__				---		15297619	FDSN	HU	--	BUD	iLoc	BHN	???	_
A265A	0.35	335.4	Lg	09:33:52.377	-0.8					T__				---		15297620	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A266A	0.46	23.0	Lg	09:33:57.612	0.7					T__				---		15297621	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MORH	0.46	75.9	Pg	09:33:49.759	0.2					T__		10.0		---	MLv	15297622	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	0.46	75.9	Lg	09:33:56.025	-0.9					T__				---		15297623	FDSN	HU	--	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
2019/04/25	09:52:40.22	0.28	0.73	47.3554	18.4009	3.7	2.9	135	0.0A	0.0	15	11	111	0.10	1.80	m	sx BUD	15238963	scolv@krszo			360
2019/04/25	09:52:38.57	1.02	0.83	47.3847	18.3758	7.7	3.7	139	0.0S		15	11	108	0.08	1.79	m	sx BUD_GT	15297672	iLoc			126
(GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.5		4 BUD	15238963
MLv	1.5	0.5	4 BUD	15238963
ML	1.6	0.4	4 ILOC	15297672

Sta	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	254.7	Pg	09:52:40.887	0.0					T__		2389.1		---	MLv	15297674	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.08	254.7	Lg	09:52:42.885	-0.3					T__				---		15297675	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.9 1																								
A269A	0.25		1.0 Lg	09:52:49.066	0.1					T__				---		15297676	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A268A	0.31	278.8	Lg	09:52:50.942	0.1					T__				---		15297677	FDSN	Z3	00	BUD	iLoc	HHE	???	_

MPLH	0.61	249.7	Lg	09:53:00.645	0.4	T__									15297678	FDSN	HU	--	BUD	iLoc	BHN	???	_
A270A	0.63	43.1	Lg	09:53:02.447	0.3	T__									15297679	FDSN	Z3	00	BUD	iLoc	HHN	???	_
VYHS	1.15	15.4	Pg	09:53:02.492	0.6	T__				6.0					15297680	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.15	15.4	Lg	09:53:17.573	-1.2	T__									15297681	FDSN	SK	--	BUD	iLoc	HHZ	???	_
(Station ML : 0.9 1																							
PSZ	1.16	62.0	Pn	09:53:01.283	0.2	T__				48.4					15297682	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	1.16	62.0	Sn	09:53:17.895	-1.2	T__									15297683	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.8 1																							
MORH	1.18	170.9	Pg	09:53:02.098	-0.0	T__				14.1					15297684	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.18	170.9	Sn	09:53:17.179	-1.7	T__									15297685	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.3 1																							
MODS	1.23	323.6	Sn	09:53:20.149	-0.9	T__									15297686	FDSN	SK	--	BUD	iLoc	HHE	???	_
KOVH	1.31	188.4	Sn	09:53:21.203	-0.9	T__									15297687	FDSN	HU	--	BUD	iLoc	BHN	???	_
KECS	1.79	51.5	Sn	09:53:34.705	0.6	T__									15297688	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
2019/04/25	09:52:39.94	0.40	0.35	46.1260	21.6133	3.4	1.3	96	9.1F	2.6	13	195		0.14	1.65	a	ke BUC	15272174	ISC			360
2019/04/25	09:52:39.87	0.96	0.32	46.1240	21.6427	9.3	3.3	86	2.9F	12.8	21	7	185	0.14	1.63	m	ke BUD	15297632	iLoc			228

Magnitude	Err	Nsta	Author	OrigID
ml	1.1		BUC	15272174
ML	1.4	0.3	4 ILOC	15297632

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
SIRR	0.14	5.7	Pg	09:52:43.187	0.1					T__		209.1			MLv	15297634	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.14	5.7	Lg	09:52:45.488	-0.2					T__						15297635	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 1.0 1																								
SURR	0.50	137.6	Pg	09:52:49.646	0.1					T__						15297636	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.50	137.6	Pg	09:52:49.646	0.1					T__						15297637	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.50	137.6	Lg	09:52:56.536	-0.1					T__						15297638	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.51	180.2	Pg	09:52:49.731	-0.1					T__		32.5			MLv	15297639	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.51	180.2	Lg	09:52:56.905	-0.1					T__						15297640	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	0.51	182.1	Lg	09:52:57.079	-0.0					T__						15297641	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.2 1																								
DRGR	1.00	47.5	Lg	09:53:13.817	0.1					T__						15297642	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.00	47.5	Pn	09:52:59.515	-0.3					T__		39.5			MLv	15297643	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	1.00	47.5	Lg	09:53:12.938	-0.7					T__						15297644	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 1.7 1																								
GZR	1.08	132.2	Pn	09:53:01.232	0.1					T__						15297645	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.08	132.2	Pn	09:53:01.232	0.1					T__						15297646	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.08	132.2	Pn	09:53:01.727	0.6					T__		28.0			MLv	15297647	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.08	132.2	Lg	09:53:15.381	-0.1					T__						15297648	FDSN	RO	--	BUD	iLoc	BHN	???	_
GZR	1.08	132.2	Sn	09:53:17.181	-0.2					T__						15297649	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.5 1																								
MARR	1.16	61.1	Pn	09:53:02.591	0.3					T__						15297650	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.16	61.1	Pn	09:53:02.591	0.3					T__						15297651	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.16	61.1	Lg	09:53:18.525	-0.4					T__						15297652	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.63	113.7	Sn	09:53:31.579	0.3					T__						15297653	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.63	113.7	Sn	09:53:31.579	0.3					T__						15297654	FDSN	IR	--	ISC	iLoc	???	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/04/25 10:01:29.48 0.91 0.59 48.3542 19.8484 4.9 3.9 163 0.0S 10 6 103 0.44 1.11 m sx BUD 15297706 iLoc 160
 (description : suspected quarry blast)
 (locality : Tuhár Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.9 0.1 4 ILOC 15297706

Sta	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	175.9	Pg	10:01:39.240	0.2					T__		228.3		---	MLv	15297708	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	0.44	175.9	Lg	10:01:45.956	-0.2					T__				---		15297709	FDSN	GE	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.9 1																										
KECS	0.44	72.8	Pg	10:01:39.032	0.5					T__		326.0		---	MLv	15297710	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_		
KECS	0.44	72.8	Lg	10:01:44.641	-0.7					T__				---		15297711	FDSN	SK	--	BUD	iLoc	EHN	???	_		
(Station ML : 2.0 1																										
VYHS	0.69	282.1	Pg	10:01:43.948	0.5					T__		9.2		---	MLv	15297712	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_		
VYHS	0.69	282.1	Lg	10:01:53.573	-0.1					T__				---		15297713	FDSN	SK	--	BUD	iLoc	HHN	???	_		
(Station ML : 0.8 1																										
A270A	0.75	227.8	Pn	10:01:46.110	-0.1					T__		95.0		---	MLv	15297714	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
A270A	0.75	227.8	Lg	10:01:56.758	-0.2					T__				---		15297715	FDSN	Z3	00	BUD	iLoc	HHE	???	_		
(Station ML : 1.9 1																										
A335A	1.01	275.8	Lg	10:02:04.403	-0.9					T__				---		15297716	FDSN	Z3	00	BUD	iLoc	HHN	???	_		
NIE	1.11	15.9	Lg	10:02:06.020	-0.7					T__				---		15297717	FDSN	PL	--	BUD	iLoc	BHE	???	_		

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/04/26 06:24:44.40 1.32 1.07 47.2210 18.2861 12.6 5.9 88 0.0S 5 4 172 0.14 0.70 m sx BUD 15297735 iLoc 301
 (description : suspected quarry blast)
 (locality : Iszkaszentgyörgy Hungary)

Magnitude Err Nsta Author OrigID

Sta	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	353.1	Pg	06:24:48.219	0.3					T__		1903.6		---	MLv	15297737	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.14	353.1	Lg	06:24:49.812	-1.4					T__				---		15297738	FDSN	HU	--	BUD	iLoc	HHN	???	_
A268A	0.32	310.6	Lg	06:24:57.228	0.0					T__				---		15297739	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A269A	0.42	8.9	Lg	06:25:01.036	0.3					T__				---		15297740	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A266A	0.70	181.2	Lg	06:25:08.378	-0.5					T__				---		15297741	FDSN	Z3	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
 2019/04/26 07:35:11.34 1.47 1.07 47.5426 18.4229 18.4 3.2 99 0.0S 8 5 195 0.10 1.13 m sx BUD 15297746 iLoc 301
 (description : suspected quarry blast)
 (locality : Etyek Hungary)

Magnitude Err Nsta Author OrigID
 ML 1.9 0.3 3 ILOC 15297746

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

A269A	0.10	344.0	Pg	07:35:13.748	-0.2	T__	2309.9	---	MLv	15297748	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A269A	0.10	344.0	Lg	07:35:15.396	-1.0	T__		---		15297749	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 1.9 1																		
CSKK	0.21	211.6	Pg	07:35:16.162	0.1	T__	1741.4	---	MLv	15297750	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.21	211.6	Lg	07:35:20.005	-0.3	T__		---		15297751	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 2.1 1																		
SRO	0.28	344.7	Lg	07:35:24.125	1.5	T__		---		15297752	FDSN	SK	--	BUD	iLoc	EHN	???	_
VYHS	0.99	16.1	Pn	07:35:31.762	0.1	T__	7.5	---	MLv	15297753	FDSN	SK	--	BUD	iLoc	HHN	HHZ	_
VYHS	0.99	16.1	Lg	07:35:46.026	0.0	T__		---		15297754	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 0.9 1																		
MODS	1.13	317.6	Sn	07:35:49.770	-1.5	T__		---		15297755	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
 2019/04/26 10:14:50.15 1.22 0.80 48.4020 20.7334 36.1 5.7 22 0.0S 7 4 170 0.18 1.27 m sx BUD 15297769 iLoc 293
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID

Sta	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	0.18	296.3	Pg	10:14:54.050	-0.0					T__		580.1		---	MLv	15297771	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.18	296.3	Lg	10:14:56.800	-0.4					T__		0.6		---		15297772	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	0.18	296.3	Lg	10:14:57.673	0.5					T__				---		15297773	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.35	107.2	Lg	10:15:03.848	0.0					T__				---		15297774	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	0.74	229.6	Pn	10:15:07.085	0.2					T__		32.2		---	MLv	15297775	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.74	229.6	Sn	10:15:20.588	0.1					T__				---		15297776	FDSN	GE	--	BUD	iLoc	BHE	???	_
VYHS	1.27	274.9	Sn	10:15:31.773	-1.5					T__				---		15297777	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
 2019/04/28 05:52:31.26 0.38 0.64 48.2523 22.6937 4.9 3.7 55 6.5 3.3 11 8 69 0.16 1.46 m ke BUD 15239139 scolv@krszo 360
 2019/04/28 05:52:30.80 48.2800 22.7200 2.0A ke SIGU 15272206 ISC 360
 2019/04/28 05:52:30.80 0.86 1.04 48.2735 22.6820 3.7 2.9 107 7.8F 0.9 19 10 72 0.05 1.48 m ke BUD_GT 15297787 iLoc 124
 (GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)

Magnitude Err Nsta Author OrigID

M	1.6	2	BUD	15239139	
MLv	1.6	0.1	2	BUD	15239139
mb	1.0		SIGU	15272206	

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
BERU	0.05	210.8	Pg	05:52:32.400	-0.2					T__				---		15297789	FDSN	IR	--	ISC	iLoc	???	???	_
BERU	0.05	210.8	Lg	05:52:33.500	-0.7					T__				---		15297790	FDSN	IR	--	ISC	iLoc	???	???	_
BERU	0.05	210.8	x	05:52:34.000	-99.0					---		250.0		---		15297791	FDSN	IR	--	ISC	iLoc	???	???	_
TRPA	0.17	213.8	Lg	05:52:38.001	0.1					T__				---		15297792	FDSN	HU	--	BUD	iLoc	BHE	???	_
MUKU	0.18	1.1	Pg	05:52:34.400	-0.2					T__				---		15297793	FDSN	IR	--	ISC	iLoc	???	???	_
MUKU	0.18	1.1	x	05:52:34.600	-99.0					---		20.0		---		15297794	FDSN	IR	--	ISC	iLoc	???	???	_
MUKU	0.18	1.1	Pg	05:52:35.646	1.0					T__				---		15297795	FDSN	UA	--	BUD	iLoc	MHZ	???	_
MUKU	0.18	1.1	Lg	05:52:37.500	-0.4					T__				---		15297796	FDSN	IR	--	ISC	iLoc	???	???	_

MUKU	0.18	1.1	x	05:52:38.500	-99.0	---	---	60.0	---	15297797	FDSN	IR	--	ISC	iLoc	???	???	_
BRIU	0.23	73.9	Pg	05:52:35.400	-0.2	T__	---	---	---	15297798	FDSN	IR	--	ISC	iLoc	???	???	_
BRIU	0.23	73.9	Pg	05:52:35.568	-0.1	T__	---	---	---	15297799	FDSN	UA	--	BUD	iLoc	MHZ	???	_
BRIU	0.23	73.9	x	05:52:36.500	-99.0	---	---	190.0	---	15297800	FDSN	IR	--	ISC	iLoc	???	???	_
BRIU	0.23	73.9	Lg	05:52:38.600	-1.1	T__	---	---	---	15297801	FDSN	IR	--	ISC	iLoc	???	???	_
BRIU	0.23	73.9	x	05:52:39.300	-99.0	---	---	20.0	---	15297802	FDSN	IR	--	ISC	iLoc	???	???	_
BRIU	0.23	73.9	x	05:52:39.700	-99.0	---	---	50.0	---	15297803	FDSN	IR	--	ISC	iLoc	???	???	_
TRSU	0.26	134.0	Pg	05:52:38.074	2.0	T__	---	---	---	15297804	FDSN	UA	--	BUD	iLoc	MHZ	???	_
TRSU	0.26	134.0	Lg	05:52:39.400	-1.1	T__	---	---	---	15297805	FDSN	IR	--	ISC	iLoc	???	???	_
KORU	0.32	110.9	Lg	05:52:41.900	-0.8	T__	---	---	---	15297806	FDSN	IR	--	ISC	iLoc	???	???	_
KOLS	0.71	337.8	Pg	05:52:45.376	1.0	T__	---	---	---	15297807	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	0.71	337.8	Lg	05:52:56.995	1.4	T__	---	---	---	15297808	FDSN	SK	--	BUD	iLoc	HHE	???	_
BMR	0.81	137.4	Pn	05:52:47.095	-0.6	T__	---	55.5	MLv	15297809	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BMR	0.81	137.4	Lg	05:52:57.407	-1.4	T__	---	---	---	15297810	FDSN	RO	--	BUD	iLoc	BHE	???	_
ABAH	0.96	271.9	Pg	05:52:49.744	0.1	T__	---	34.9	MLv	15297811	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.96	271.9	Sn	05:53:03.347	-1.3	T__	---	---	---	15297812	FDSN	HU	--	BUD	iLoc	HHN	???	_
NSLU	1.19	93.0	Sn	05:52:48.800	-22.1	---	---	---	---	15297813	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.48	179.2	Sn	05:53:17.219	-0.6	T__	---	---	---	15297814	FDSN	RO	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/04/29	01:09:51.80	1.01		45.6590	18.0610	0.1	0.1		5.2F	4.9	10			1.04	2.54	a	ke RHSSO	15272245	ISC			360
2019/04/29	01:09:50.08	0.91	1.41	45.6956	18.0062	4.8	3.8	69	3.1F	8.9	40	23	76	0.26	2.55	m	ke BUD	15297829	iLoc			100

Magnitude	Err	Nsta	Author	OrigID
ML	1.9		RHSSO	15272245
ML	2.0	0.1	10 ILOC	15297829

Sta	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	329.0	Pg	01:09:55.798	0.3					T__		9.7		---	MLv	15297831	FDSN	Z3	--	BUD	iLoc	HHZ	HHZ	_		
A273A	0.26	329.0	Lg	01:09:59.609	0.5					T__				---		15297832	FDSN	Z3	--	BUD	iLoc	HHN	???	_		
(Station ML : 0.0 0																										
KOVH	0.40	9.4	Pg	01:09:58.392	0.1					T__		69.5		---	MLv	15297833	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_		
KOVH	0.40	9.4	Lg	01:10:03.902	-0.1					T__				---		15297834	FDSN	HU	--	BUD	iLoc	BHE	???	_		
(Station ML : 1.2 1																										
A264A	0.68	313.1	Pg	01:10:03.335	-0.5					T__		146.9		---	MLv	15297835	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
A264A	0.68	313.1	Lg	01:10:12.765	-0.0					T__				---		15297836	FDSN	Z3	00	BUD	iLoc	HHE	???	_		
(Station ML : 2.0 1																										
MORH	0.68	40.3	Pn	01:10:04.204	-0.9					T__		19.1		---	MLv	15297837	FDSN	HU	--	BUD	iLoc	BHN	BHZ	_		
MORH	0.68	40.3	Sn	01:10:14.040	-2.5					T__				---		15297838	FDSN	HU	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.2 0																										
A265A	0.74	348.7	Pn	01:10:05.039	-1.0					T__		146.5		---	MLv	15297839	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
A265A	0.74	348.7	Lg	01:10:15.095	0.0					T__				---		15297840	FDSN	Z3	00	BUD	iLoc	HHE	???	_		
(Station ML : 2.1 1																										
BELGA	0.75	326.7	Pn	01:10:04.816	-1.4					T__		196.6		---	MLv	15297841	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
BELGA	0.75	326.7	Lg	01:10:15.006	0.1					T__				---		15297842	FDSN	HU	--	BUD	iLoc	HHE	???	_		
(Station ML : 2.2 0																										
A266A	0.85	12.1	Pg	01:10:07.452	0.5					T__		242.6		---	MLv	15297843	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
A266A	0.85	12.1	Sn	01:10:20.885	0.1					T__				---		15297844	FDSN	Z3	00	BUD	iLoc	HHE	???	_		
(Station ML : 2.4 0																										
DARVA	0.86	319.2	Pg	01:10:07.533	0.3					T__		95.3		---	MLv	15297845	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
DARVA	0.86	319.2	Sn	01:10:20.096	-0.8					T__				---		15297846	FDSN	HU	--	BUD	iLoc	HHN	???	_		

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(Station ML : 2.0 1
MOSL 0.88 265.1 Pn 01:10:07.960 -0.5 T__ --- 15297847 FDSN IR -- ISC iLoc ??? ??? _
MOSL 0.88 265.1 Lg 01:10:16.720 -2.2 T__ --- 15297848 FDSN IR -- ISC iLoc ??? ??? _
A051A 1.03 229.0 Pn 01:10:10.000 -0.8 T__ --- 15297849 FDSN IR -- ISC iLoc ??? ??? _
A051A 1.03 229.0 Lg 01:10:25.000 1.3 T__ --- 15297850 FDSN IR -- ISC iLoc ??? ??? _
A263A 1.06 333.3 Lg 01:10:25.789 0.6 T__ --- 15297851 FDSN Z3 00 BUD iLoc HHN ??? _
BLY 1.08 213.0 Pg 01:10:11.828 0.9 T__ 76.4 --- MLv 15297852 FDSN MN -- BUD iLoc BHZ BHZ _
BLY 1.08 213.0 Sn 01:10:27.957 1.4 T__ --- 15297853 FDSN MN -- BUD iLoc BHE ??? _
BLY 1.11 211.8 Lg 01:10:27.300 1.6 T__ --- 15297854 FDSN IR -- ISC iLoc ??? ??? _
(Station ML : 2.0 1
BEHE 1.16 312.6 Lg 01:10:29.098 1.3 T__ --- 15297855 FDSN HU -- BUD iLoc BHE ??? _
A267A 1.29 14.6 Sn 01:10:31.134 -0.6 T__ --- 15297856 FDSN Z3 00 BUD iLoc HHN ??? _
A251A 1.35 245.8 Pn 01:10:15.040 -0.0 T__ --- 15297857 FDSN IR -- ISC iLoc ??? ??? _
A251A 1.35 245.8 Sn 01:10:30.100 -3.3 T__ --- 15297858 FDSN IR -- ISC iLoc ??? ??? _
A261A 1.39 335.0 Lg 01:10:36.314 1.2 T__ --- 15297859 FDSN Z3 00 BUD iLoc HHE ??? _
FRGS 1.40 112.9 Lg 01:10:38.610 0.5 T__ --- 15297860 FDSN SJ -- BUD iLoc HHN ??? _
MPLH 1.51 347.8 Pg 01:10:19.922 0.7 T__ 24.9 --- MLv 15297861 FDSN HU -- BUD iLoc BHZ BHZ _
MPLH 1.51 347.8 Lg 01:10:38.989 -0.2 T__ --- 15297862 FDSN HU -- BUD iLoc BHE ??? _
(Station ML : 1.7 1
A262A 1.55 319.3 Lg 01:10:42.008 2.4 T__ --- 15297863 FDSN Z3 00 BUD iLoc HHN ??? _
TEKS 1.57 136.2 Pg 01:10:19.000 -0.2 T__ --- 15297864 FDSN IR -- ISC iLoc ??? ??? _
TEKS 1.57 136.2 Lg 01:10:40.500 -2.4 T__ --- 15297865 FDSN IR -- ISC iLoc ??? ??? _
A050A 1.60 221.2 Pg 01:10:20.400 -0.0 T__ --- 15297866 FDSN IR -- ISC iLoc ??? ??? _
A050A 1.60 221.2 Lg 01:10:41.400 -0.2 T__ --- 15297867 FDSN IR -- ISC iLoc ??? ??? _
CEY 2.51 272.3 Pg 01:10:34.400 -1.2 T__ --- 15297868 FDSN IR -- ISC iLoc ??? ??? _
CEY 2.51 272.3 Sn 01:11:05.500 4.0 T__ --- 15297869 FDSN IR -- ISC iLoc ??? ??? _
BZS 2.55 90.4 Lg 01:11:14.924 1.7 T__ --- 15297870 FDSN RO -- 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
2019/04/29 08:01:34.63 1.74 1.05 47.8040 19.8797 12.4 5.0 147 0.0S 9 5 200 0.11 1.04 m sx BUD 15297912 iLoc 256

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(description : suspected quarry blast)

(locality : Gyöngyöstarján Hungary)

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Magnitude Err Nsta Author OrigID
ML 2.0 0.1 4 ILOC 15297912

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Sta 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 4.9 Pg 08:01:37.900 0.1 T__ 2963.0 --- MLv 15297914 FDSN GE -- BUD iLoc BHZ BHZ _
PSZ 0.11 4.9 Lg 08:01:39.769 -0.7 T__ --- 15297915 FDSN GE -- BUD iLoc BHN ??? _
(Station ML : 2.1 1
A270A 0.58 274.4 Pg 08:01:46.718 -0.1 T__ 197.4 --- MLv 15297916 FDSN Z3 00 BUD iLoc HHZ HHZ _
A270A 0.58 274.4 Lg 08:01:56.081 -0.2 T__ --- 15297917 FDSN Z3 00 BUD iLoc HHN ??? _
(Station ML : 2.1 1
VYHS 0.98 315.0 Pn 08:01:55.557 0.8 T__ 10.1 --- MLv 15297918 FDSN SK -- BUD iLoc HHZ HHZ _
VYHS 0.98 315.0 Lg 08:02:09.129 0.2 T__ --- 15297919 FDSN SK -- BUD iLoc HHN ??? _
(Station ML : 1.1 1
A269A 1.02 261.3 Sn 08:02:09.667 -1.7 T__ --- 15297920 FDSN Z3 00 BUD iLoc HHE ??? _
ABAH 1.04 61.1 Pn 08:01:56.665 1.5 T__ 72.4 --- MLv 15297921 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 1.04 61.1 Lg 08:02:10.791 -0.7 T__ --- 15297922 FDSN HU -- 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
2019/04/29	08:31:47.30	0.98	0.85	48.4079	19.1234	6.3	4.2	41	0.0S		21	13	53	0.21	1.73	m	sx BUD	15297940	iLoc			93

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.3	5 ILOC	15297940

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
VVHS	0.21	294.4	Pg	08:31:52.482	0.7					T__		86.3		---	MLv	15297942	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VVHS	0.21	294.4	Lg	08:31:56.018	0.8					T__				---		15297943	FDSN	SK	--	BUD	iLoc	HHZ	???	_
(Station ML : 0.8 0																								
A335A	0.53	274.6	Pg	08:31:58.480	0.4					T__		187.4		---	MLv	15297944	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A335A	0.53	274.6	Lg	08:32:05.787	-0.6					T__				---		15297945	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 2.0 1																								
A270A	0.57	187.1	Pn	08:32:01.024	-1.6					T__		186.1		---	MLv	15297946	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A270A	0.57	187.1	Lg	08:32:08.170	-0.1					T__				---		15297947	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
(Station ML : 2.1 0																								
PSZ	0.71	133.2	Pn	08:32:04.440	0.7					T__		50.9		---	MLv	15297948	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.71	133.2	Lg	08:32:13.208	-0.1					T__				---		15297949	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.6 1																								
LANS	0.78	16.9	Pn	08:32:04.079	-0.7					T__		84.1		---	MLv	15297950	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 1.9 1																								
SRO	0.81	222.7	Lg	08:32:16.207	-0.3					T__				---		15297951	FDSN	SK	--	BUD	iLoc	EHN	???	_
A269A	0.92	213.1	Sn	08:32:21.438	-0.2					T__				---		15297952	FDSN	Z3	00	BUD	iLoc	HHN	???	_
JAVC	1.06	295.7	Pn	08:32:09.762	0.8					T__				---		15297953	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	1.06	295.7	Sn	08:32:25.654	-0.6					T__				---		15297954	FDSN	CZ	--	BUD	iLoc	BHE	???	_
JAVC	1.06	295.7	Pn	08:32:09.200	0.2					T__				---		15297955	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	1.06	295.7	Lg	08:32:23.100	-2.0					T__				---		15297956	FDSN	IR	--	ISC	iLoc	???	???	_
CSKK	1.20	209.4	Lg	08:32:29.146	-0.8					T__				---		15297957	FDSN	HU	--	BUD	iLoc	HHE	???	_
MODS	1.23	269.1	Sn	08:32:29.351	-0.5					T__				---		15297958	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ABAH	1.42	93.7	Lg	08:32:35.311	-0.6					T__				---		15297959	FDSN	HU	--	BUD	iLoc	HHE	???	_
MORC	1.72	323.4	Sn	08:32:41.513	-0.9					T__				---		15297960	FDSN	CZ	--	BUD	iLoc	BHN	???	_
MORC	1.72	323.4	Pg	08:32:20.100	-0.5					T__				---		15297961	FDSN	IR	--	ISC	iLoc	???	???	_
STHS	1.73	53.4	Sn	08:32:41.668	-0.6					T__				---		15297962	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
2019/04/29	09:51:49.97	1.09	1.09	48.2526	21.2182	13.3	6.6	146	0.0S		15	10	110	0.05	2.01	m	sx BUD	15297984	iLoc			189

(description : suspected quarry blast)
(locality : Krupina Slovakia)

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.5	3 ILOC	15297984

Sta	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	18.3	Pg	09:51:51.846	0.4					T__		26784.1		---	MLv	15297986	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.9 1																								
HOLU	0.82	70.1	Pn	09:52:07.447	-0.2					T__				---		15297987	FDSN	UA	--	BUD	iLoc	MHZ	???	_
HOLU	0.82	70.1	Sn	09:52:20.331	-2.1					T__				---		15297988	FDSN	UA	--	BUD	iLoc	MHZ	???	_
TRPA	0.89	97.4	Pn	09:52:07.937	-0.6					T__		31.4		---	MLv	15297989	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
TRPA	0.89	97.4	Lg	09:52:21.154	-0.9					T__				---		15297990	FDSN	HU	--	BUD	iLoc	BHN	???	_

(Station ML : 1.5 1	
PSZ 0.95 249.8 Pg	09:52:10.817 0.9 T__
PSZ 0.95 249.8 Lg	09:52:22.439 -1.7 T__
(Station ML : 1.8 1	
KOLS 0.98 45.4 Pn	09:52:10.435 0.4 T__
KOLS 0.98 45.4 Lg	09:52:24.559 0.0 T__
MUKU 1.00 77.9 Pn	09:52:09.881 -0.3 T__
MUKU 1.00 77.9 Sn	09:52:27.155 0.4 T__
STHS 1.17 0.8 Lg	09:52:28.170 -1.4 T__
STZU 1.21 50.1 Pn	09:52:14.004 0.7 T__
BRIU 1.21 85.3 Pn	09:52:13.668 0.5 T__
SIRR 2.01 171.2 Lg	09:52:55.682 -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
2019/04/29	10:00:15.09	1.10	0.69	48.1721	16.9328	9.2	4.8	148	0.0A		11	115		0.31	1.33	a	kx KRSZO	15272284	ISC			360
2019/04/29	10:00:15.84	0.54	0.19	48.1390	16.8721	4.6	1.4	107	0.0F	0.0	6	2		0.58	0.71	a	sx VIE	15272280	ISC			360
2019/04/29	10:00:14.28	0.83	0.79	48.1311	16.9799	5.2	3.4	144	0.0S		25	13	110	0.31	1.45	m	sx BUD	15298014	iLoc			118

(description : suspected quarry blast)
(locality : Hainburg Austria)

Magnitude	Err	Nsta	Author	OrigID
ML 1.7			KRSZO	15272284
mb 1.2			VIE	15272280
m1 1.6			VIE	15272280
ML 2.0	0.7	4	ILOC	15298014

Sta	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	39.2	Pg	10:00:21.679	0.5					T__						15298016	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.31	39.2	Lg	10:00:26.365	-0.3					T__						15298017	FDSN	SK	--	BUD	iLoc	HHN	???	_
RONA	0.63	227.1	Pg	10:00:27.258	0.3					T__		0.5	0.08			15298018	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.63	227.1	Lg	10:00:35.043	-0.3					T__		4.9	0.26			15298019	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.78	255.3	Pn	10:00:30.839	-1.3					T__		29.2			MLv	15298020	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
CONA	0.78	255.3	Lg	10:00:40.469	0.6					T__						15298021	FDSN	OE	--	BUD	iLoc	BHE	???	_
CONA	0.78	255.3	Pg	10:00:29.460	-0.2					T__		0.7	0.20			15298022	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.78	255.3	Lg	10:00:39.669	-0.2					T__		2.9	0.28			15298023	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.4 1																								
JAVC	0.86	32.0	Pn	10:00:34.915	1.6					T__						15298024	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
SRO	0.95	109.0	Pn	10:00:34.784	0.7					T__		757.9			MLv	15298025	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
SRO	0.95	109.0	Lg	10:00:47.773	-0.9					T__						15298026	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 2.9 1																								
KRUC	1.01	337.6	Pn	10:00:34.600	-0.5					T__						15298027	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.01	337.6	Lg	10:00:48.000	-0.6					T__						15298028	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.01	337.6	Pn	10:00:34.915	-0.2					T__						15298029	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	1.01	337.6	Sn	10:00:49.804	-0.9					T__						15298030	FDSN	CZ	--	BUD	iLoc	BHN	???	_
A269A	1.06	117.1	Sn	10:00:51.957	-0.1					T__						15298031	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A012A	1.08	241.2	Sn	10:00:51.337	-1.1					T__						15298032	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A007A	1.13	301.7	Lg	10:00:51.408	-0.7					T__						15298033	FDSN	Z3	00	BUD	iLoc	HHN	???	_
VRAC	1.21	347.9	Pn	10:00:37.900	0.0					T__						15298034	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.21	347.9	Lg	10:00:54.000	-0.8					T__						15298035	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.21	347.9	Lg	10:00:54.714	-0.1					T__						15298036	FDSN	CZ	--	BUD	iLoc	BHE	???	_
ARSA	1.32	228.7	Pg	10:00:40.945	0.6					T__		29.3			MLv	15298037	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_

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ARSA 1.32 228.7 Sn 10:00:58.893 1.1 T__ --- 15298038 FDSN OE -- BUD iLoc BHE ??? _
(Station ML : 1.7 1
A336A 1.36 84.9 Pg 10:00:41.570 0.0 T__ 106.3 --- MLv 15298039 FDSN Z3 00 BUD iLoc HH3 HHZ _
(Station ML : 2.3 1
A019A 1.45 242.5 Sn 10:01:02.933 1.4 T__ --- 15298040 FDSN Z3 00 BUD iLoc HH2 ??? _

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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
2019/04/30 07:17:01.75 2.10 1.41 47.9558 20.0987 15.0 11.1 146 0.0S 10 5 189 0.14 1.00 m kx BUD 15298062 iLoc 228
2019/04/30 07:17:01.93f 0.62 47.8987 20.0893f 0.0S 10 203 0.13 1.03 a kx BUD_GT 15327797 BUD 241

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

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Magnitude Err Nsta Author OrigID
ML 1.7 0.0 5 BUD 15298062
ML 1.7 0.0 5 ILOC 15327797

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Sta 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 07:17:05.552 0.1 T__ 1093.0 --- MLv 15329474 FDSN GE -- BUD BUD BHZ BHZ _
PSZ 0.13 278.6 Lg 07:17:08.309 -0.0 T__ --- 15329475 FDSN GE -- BUD BUD BHN ??? _
(Station ML : 1.7 1
KECS 0.64 24.2 Pg 07:17:15.824 0.9 T__ 116.2 --- MLv 15329476 FDSN SK -- BUD BUD EHN EHZ _
KECS 0.64 24.2 Lg 07:17:24.940 0.2 T__ --- 15329477 FDSN SK -- BUD BUD EHE ??? _
(Station ML : 1.9 0
A270A 0.72 266.1 Pn 07:17:17.610 -0.6 T__ 64.4 --- MLv 15329478 FDSN Z3 00 BUD BUD HHZ HHZ _
A270A 0.72 266.1 Lg 07:17:28.599 0.1 T__ --- 15329479 FDSN Z3 00 BUD BUD HHN ??? _
(Station ML : 1.7 1
ABAH 0.87 62.3 Pg 07:17:19.541 0.3 T__ 59.9 --- MLv 15329480 FDSN HU -- BUD BUD HHZ HHZ _
ABAH 0.87 62.3 Lg 07:17:33.157 -0.0 T__ --- 15329481 FDSN HU -- BUD BUD HHE ??? _
(Station ML : 1.8 1
VYHS 1.03 305.9 Pg 07:17:23.622 0.9 T__ 7.5 --- MLv 15329482 FDSN SK -- BUD BUD HHZ HHZ _
VYHS 1.03 305.9 Lg 07:17:36.441 -1.3 T__ --- 15329483 FDSN SK -- BUD BUD HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2019/04/30 09:10:02.50 1.77 0.99 48.0178 20.7119 12.9 5.9 138 0.0S 7 4 208 0.45 1.34 m sx BUD 15298095 iLoc 277

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(description : suspected quarry blast)
(locality : Miskolc-Mexikóvölgy Hungary)

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Magnitude Err Nsta Author OrigID
ML 1.5 0.6 3 ILOC 15298095

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```

Sta 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 51.6 Lg 09:10:18.956 -0.7 T__ 15298097 FDSN HU -- BUD iLoc HHN ??? _
KECS 0.49 342.1 Pg 09:10:12.793 0.3 T__ 177.6 --- MLv 15298098 FDSN SK -- BUD iLoc EHN EHZ _
KECS 0.49 342.1 Lg 09:10:19.510 -0.5 T__ --- 15298099 FDSN SK -- BUD iLoc EHE ??? _
(Station ML : 1.9 1
PSZ 0.56 260.0 Pg 09:10:15.009 0.4 T__ 49.3 --- MLv 15298100 FDSN GE -- BUD iLoc BHZ BHZ _
PSZ 0.56 260.0 Lg 09:10:22.141 -1.3 T__ --- 15298101 FDSN GE -- BUD iLoc BHE ??? _

```

(Station ML : 1.5 1
 VYHS 1.34 291.5 Pg 09:10:30.494 1.0 T__ 6.2 ___ MLv 15298102 FDSN SK -- BUD iLoc HHZ HHZ _
 VYHS 1.34 291.5 Sn 09:10:47.693 0.5 T__ ___ 15298103 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
2019/04/30	09:14:49.08	3.59	1.02	46.1093	18.1004	28.2	6.5	120	0.0S	4	3	159	0.02	1.13	m	kx	BUD	15298117	iLoc			266
2019/04/30	09:14:47.77f	0.63	46.1254	18.0152f					0.0S	4	220	0.07	1.10	a	kx	BUD_GT	15327803	BUD				315

(GT info : GT2 explosion)
 (description : known quarry blast)
 (locality : Bükkösd-II Hungary)

Magnitude Err Nsta Author OrigID

Sta	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	122.2	Pg	09:14:50.107	0.2					T__		732.3		___	MLv	15329484	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.07	122.2	Lg	09:14:51.008	-0.8					T__				___		15329485	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.45	78.1	Lg	09:15:03.783	-0.5					T__				___		15329486	FDSN	HU	--	BUD	BUD	BHN	???	_
MPLH	1.10	342.8	Lg	09:15:26.634	0.8					T__				___		15329487	FDSN	HU	--	BUD	BUD	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/04/30	09:53:28.57	2.93	0.80	48.5521	20.7993	34.4	4.0	11	0.0S	7	4	222	0.22	1.31	m	sx	BUD	15298127	iLoc				315

Magnitude Err Nsta Author OrigID
 ML 1.5 0.6 3 ILOC 15298127

Sta	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	251.8	Pg	09:53:32.957	-0.2					T__		1057.8		___	MLv	15298129	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_		
KECS	0.22	251.8	Lg	09:53:37.553	0.8					T__				___		15298130	FDSN	SK	--	BUD	iLoc	EHE	???	_		
(Station ML : 1.9 1																										
ABAH	0.39	131.0	Pg	09:53:36.903	0.3					T__		51.9		___	MLv	15298131	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
ABAH	0.39	131.0	Lg	09:53:42.394	-1.0					T__				___		15298132	FDSN	HU	--	BUD	iLoc	HHE	???	_		
(Station ML : 1.1 1																										
PSZ	0.88	224.0	Pn	09:53:47.509	0.3					T__		36.5		___	MLv	15298133	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	0.88	224.0	Sn	09:54:01.487	-0.8					T__				___		15298134	FDSN	GE	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.5 1																										
VYHS	1.31	268.2	Lg	09:54:13.358	-0.2					T__				___		15298135	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	
2019/04/30	10:08:53.93	1.69	1.15	47.8924	20.0260	13.6	4.5	158	0.0S	13	8	165	0.09	1.54	m	kx	BUD	15298149	iLoc				203
2019/04/30	10:08:53.49f	1.29	47.8987	20.0893f					0.0S	13	167	0.13	1.53	a	kx	BUD_GT	15327807	BUD					205

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

Magnitude Err Nsta Author OrigID
 ML 2.0 0.1 5 BUD 15298149

ML 1.9 0.3 5 ILOC 15327807

Sta	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	10:08:56.704	-0.3					T__		2728.0		---	MLv	15329488	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_	
PSZ	0.13	278.6	Lg	10:08:59.391	-0.5					T__				---		15329489	FDSN	GE	--	BUD	BUD	BHN	???	_	
(Station ML : 2.1 1)																									
KECS	0.64	24.2	Pg	10:09:07.259	0.8					T__		177.5		---	MLv	15329490	FDSN	SK	--	BUD	BUD	EHE	EHZ	_	
KECS	0.64	24.2	Lg	10:09:16.877	0.6					T__				---		15329491	FDSN	SK	--	BUD	BUD	EHE	???	_	
(Station ML : 2.1 0)																									
A270A	0.72	266.1	Lg	10:09:18.813	-1.2					T__				---		15329492	FDSN	Z3	00	BUD	BUD	HHN	???	_	
ABAH	0.87	62.3	Pn	10:09:12.029	0.4					T__		89.2		---	MLv	15329493	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_	
ABAH	0.87	62.3	Sn	10:09:25.555	-0.8					T__				---		15329494	FDSN	HU	--	BUD	BUD	HHE	???	_	
(Station ML : 1.9 1)																									
VYHS	1.03	305.9	Pn	10:09:14.096	-0.1					T__		10.6		---	MLv	15329495	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_	
VYHS	1.03	305.9	Lg	10:09:27.169	-2.1					T__				---		15329496	FDSN	SK	--	BUD	BUD	HHN	???	_	
(Station ML : 1.1 0)																									
A335A	1.30	295.7	Sn	10:09:36.706	-0.4					T__				---		15329497	FDSN	Z3	00	BUD	BUD	HHN	???	_	
A267A	1.45	229.5	Sn	10:09:41.091	1.0					T__				---		15329498	FDSN	Z3	00	BUD	BUD	HHN	???	_	
NIE	1.53	5.5	Pg	10:09:25.561	3.2					T__		25.5		---	MLv	15329499	FDSN	PL	--	BUD	BUD	BHZ	BHZ	_	
NIE	1.53	5.5	Lg	10:09:45.888	1.4					T__				---		15329500	FDSN	PL	--	BUD	BUD	BHE	???	_	

Date 2019/04/30 Time 10:14:41.10 Err 1.14 RMS 0.89 Latitude 48.6683 Longitude 21.4391 Smaj 9.4 Smin 4.8 Az 170 Depth 0.0S
 Err Ndef 14 Nsta 10 Gap 73 mdist 0.40 Mdist 1.28 m Qual sx Author BUD OrigID 15298185 Rep iLoc DPdep Err Sgp 108
 (description : suspected quarry blast)
 (locality : Slanec Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.5 0.4 5 ILOC 15298185

Sta	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	199.7	Pg	10:14:49.716	0.5					T__		137.2		---	MLv	15298187	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ABAH	0.40	199.7	Lg	10:14:55.186	-0.9					T__				---		15298188	FDSN	HU	--	BUD	iLoc	HHE	???	_	
(Station ML : 1.5 1)																									
KOLS	0.61	64.0	Pn	10:14:55.647	-1.4					T__				---		15298189	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
HOLU	0.64	102.3	Pg	10:14:53.919	0.3					T__				---		15298190	FDSN	UA	--	BUD	iLoc	MHZ	???	_	
HOLU	0.64	102.3	Lg	10:15:04.411	-0.0					T__				---		15298191	FDSN	UA	--	BUD	iLoc	MHZ	???	_	
KECS	0.66	254.1	Pg	10:14:54.494	0.2					T__		118.1		---	MLv	15298192	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_	
KECS	0.66	254.1	Lg	10:15:03.911	-0.3					T__				---		15298193	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Station ML : 1.9 1)																									
STHS	0.76	350.3	Pn	10:14:57.610	-1.5					T__		109.6		---	MLv	15298194	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_	
(Station ML : 2.0 0)																									
STZU	0.86	65.5	Pn	10:14:59.526	-0.1					T__				---		15298195	FDSN	UA	--	BUD	iLoc	MHZ	???	_	
TRPA	0.91	125.9	Pn	10:14:59.203	-0.8					T__		16.9		---	MLv	15298196	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
TRPA	0.91	125.9	Lg	10:15:12.428	-1.1					T__				---		15298197	FDSN	HU	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.2 0)																									
NIE	1.06	315.8	Pn	10:15:03.219	0.9					T__		15.8		---	MLv	15298198	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_	
(Station ML : 1.3 1)																									
BRIU	1.10	106.9	Pn	10:15:02.206	-0.7					T__				---		15298199	FDSN	UA	--	BUD	iLoc	MHZ	???	_	
PSZ	1.28	234.5	Sn	10:15:25.192	0.6					T__				---		15298200	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
2019/05/01	09:03:53.03	2.31	1.07	45.5963	18.1932	29.6	9.5	107	0.0S	7	5	130	0.50	1.25	m	sx	BUD	15299010	iLoc		241	
(description : suspected quarry blast)																						
(locality : Zoljan Croatia)																						

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	0.50	352.5	Pg	09:04:03.851	0.3					T__		24.9		---	MLv	15299012	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.50	352.5	Lg	09:04:10.442	-0.6					T__				---		15299013	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORH	0.70	26.8	Pn	09:04:08.662	-0.1					T__	15.0			---	MLv	15299014	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	0.70	26.8	Sn	09:04:19.444	-1.4					T__				---		15299015	FDSN	HU	--	BUD	iLoc	BHE	???	_
A266A	0.93	3.0	Sn	09:04:25.818	-1.0					T__				---		15299016	FDSN	Z3	00	BUD	iLoc	HHE	???	_
BLY	1.08	221.9	Lg	09:04:27.303	-0.3					T__				---		15299017	FDSN	MN	--	BUD	iLoc	BHE	???	_
FRGS	1.25	111.1	Sn	09:04:34.196	-1.0					T__				---		15299018	FDSN	SJ	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/05/01	09:15:12.30	0.20		45.6420	16.2220	0.1	0.0		0.0F	0.0	20			0.69	2.58	a	ke	BEO	15273309	ISC		360	
2019/05/01	09:15:11.40		0.40	45.6520	16.2450				20.2A							a	ke	LJU	15273306	ISC		360	
2019/05/01	09:15:13.50			45.8500	16.3200				1.0A		8					a	ke	PRU	15273316	ISC		360	
2019/05/01	09:15:12.70	0.22		45.6250	16.2190	0.0	0.0		4.7F	2.4	32			0.69	2.95	a	ke	RHSSO	15273318	ISC		360	
2019/05/01	09:15:12.34	0.51	3.38	45.6875	16.2383	3.2	2.0	127	13.6F	1.9	26		265	1.30	3.00	a	ke	VIE	15273312	ISC		360	
2019/05/01	09:15:11.76	0.56	1.38	45.6345	16.2530	2.7	2.2	55	1.0F	0.8	148	62	26	0.27	4.05	m	ke	BUD	15299027	iLoc		33	

Magnitude	Err	Nsta	Author	OrigID
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ML	2.1		BEO	15273309
ML	2.2		LJU	15273306
ML	2.3		RHSSO	15273318
mb	1.9		VIE	15273312
m1	2.3		VIE	15273312
ML	2.3	0.2	9 ILOC	15299027

Sta	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	316.0	Pg	09:15:17.404	0.3					T__		3301.1		---	MLv	15299029	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.27	316.0	Lg	09:15:21.876	0.9					T__				---		15299030	FDSN	CR	--	BUD	iLoc	BHE	???	_
ZAG	0.27	316.0	Lg	09:15:21.750	0.7					T__				---		15299031	FDSN	IR	--	ISC	iLoc	???	???	_
ZAG	0.27	316.0	Pg	09:15:23.400	6.2					---		3.3		---		15299032	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.6 1																								
PTJ	0.34	323.9	Pg	09:15:18.080	-0.7					T__				---		15299033	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.34	323.9	Pb	09:15:18.600	-0.2					T__		1.7		---		15299034	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.34	323.9	Lg	09:15:22.940	-1.1					T__				---		15299035	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.34	324.0	Pg	09:15:18.214	-0.3					T__	1742.7			---	MLv	15299036	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.34	324.0	Lg	09:15:22.806	-0.5					T__				---		15299037	FDSN	CR	--	BUD	iLoc	BHE	???	_
(Station ML : 2.5 1																								
MOSL	0.35	93.2	Pg	09:15:18.580	-0.5					T__				---		15299038	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.35	93.2	Lg	09:15:23.240	-0.8					T__				---		15299039	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.50	298.2	Pg	09:15:21.590	0.2					T__				---		15299040	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.50	298.2	Lg	09:15:28.590	0.1					T__				---		15299041	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.50	298.2	IAML	09:15:30.740	-99.0					---		88.1	0.17	---		15299042	FDSN	IR	--	ISC	iLoc	???	???	_

KALN	0.52	15.8	Pg	09:15:21.850	-0.6	T__	---	15299043	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.52	15.8	Lg	09:15:28.290	-1.3	T__	---	15299044	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.54	346.2	Pg	09:15:22.440	-0.0	T__	---	15299045	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.54	346.2	Lg	09:15:29.880	0.1	T__	---	15299046	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	0.55	268.3	Pg	09:15:22.740	0.4	T__	---	15299047	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	0.55	268.3	Lg	09:15:30.370	0.1	T__	---	15299048	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.58	310.8	Pg	09:15:23.050	-0.1	T__	---	15299049	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.58	310.8	Lg	09:15:31.950	0.6	T__	---	15299050	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.58	310.8	IAML	09:15:36.230	-99.0	---	98.9 0.22	15299051	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.59	289.2	Pg	09:15:23.190	-0.0	T__	---	15299052	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.59	289.2	Lg	09:15:31.830	0.0	T__	---	15299053	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.59	289.2	IAML	09:15:33.230	-99.0	---	43.2 0.13	15299054	FDSN	IR	--	ISC	iLoc	???	???	_
CESS	0.65	301.8	Pg	09:15:24.890	0.6	T__	---	15299055	FDSN	IR	--	ISC	iLoc	???	???	_
CESS	0.65	301.8	Lg	09:15:33.820	0.2	T__	---	15299056	FDSN	IR	--	ISC	iLoc	???	???	_
CESS	0.65	301.8	IAML	09:15:37.590	-99.0	---	114.0 0.18	15299057	FDSN	IR	--	ISC	iLoc	???	???	_
BOJS	0.72	259.8	Pg	09:15:25.000	-0.5	T__	---	15299058	FDSN	IR	--	ISC	iLoc	???	???	_
BOJS	0.72	259.8	Pb	09:15:25.300	-0.2	T__	---	15299059	FDSN	IR	--	ISC	iLoc	???	???	_
BOJS	0.72	259.8	Pb	09:15:25.370	-0.2	T__	---	15299060	FDSN	IR	--	ISC	iLoc	???	???	_
BOJS	0.72	259.8	Lg	09:15:34.200	-1.8	T__	---	15299061	FDSN	IR	--	ISC	iLoc	???	???	_
BOJS	0.72	259.8	Sg	09:15:35.000	-1.0	T__	---	15299062	FDSN	IR	--	ISC	iLoc	???	???	_
LEGS	0.73	296.0	Pg	09:15:25.900	0.1	T__	---	15299063	FDSN	IR	--	ISC	iLoc	???	???	_
LEGS	0.73	296.0	Lg	09:15:35.760	-0.6	T__	---	15299064	FDSN	IR	--	ISC	iLoc	???	???	_
PRIJ	0.74	153.7	Pg	09:15:26.500	0.5	T__	---	15299065	FDSN	IR	--	ISC	iLoc	???	???	_
PRIJ	0.74	153.7	Lg	09:15:36.900	1.4	T__	---	15299066	FDSN	IR	--	ISC	iLoc	???	???	_
KNYS	0.75	176.3	Pg	09:15:25.500	-0.5	T__	---	15299067	FDSN	IR	--	ISC	iLoc	???	???	_
KNYS	0.75	176.3	Lg	09:15:35.900	-0.1	T__	---	15299068	FDSN	IR	--	ISC	iLoc	???	???	_
A051A	0.77	143.2	Pg	09:15:25.800	-1.3	T__	---	15299069	FDSN	IR	--	ISC	iLoc	???	???	_
A051A	0.77	143.2	Lg	09:15:37.700	0.5	T__	---	15299070	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.81	359.9	Pg	09:15:28.700	0.9	T__	4.2	15299071	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.81	359.9	Pg	09:15:27.564	-0.2	T__	---	15299072	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	0.81	359.9	Sn	09:15:40.645	-1.9	T__	---	15299073	FDSN	SL	--	BUD	iLoc	BHN	???	_
PLIT	0.88	210.7	Pg	09:15:28.490	-0.4	T__	---	15299074	FDSN	IR	--	ISC	iLoc	???	???	_
PLIT	0.88	210.7	Lg	09:15:40.640	-0.3	T__	---	15299075	FDSN	IR	--	ISC	iLoc	???	???	_
A264A	0.89	53.7	Sn	09:15:42.965	-1.5	T__	---	15299076	FDSN	Z3	00	BUD	iLoc	HNN	???	_
BEHE	0.91	23.3	Pg	09:15:28.600	-1.4	T__	---	15299077	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.91	23.3	Lg	09:15:42.600	0.6	T__	---	15299078	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.91	23.3	Pn	09:15:44.800	13.7	---	---	15299079	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.91	23.3	Pn	09:15:31.269	0.2	T__	1152.0	15299080	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BEHE	0.91	23.3	Sn	09:15:44.293	-0.7	T__	---	15299081	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 3.1 0																
DARVA	0.97	42.5	Lg	09:15:44.245	0.4	T__	---	15299082	FDSN	HU	--	BUD	iLoc	HHE	???	_
PDKS	0.98	296.4	Pg	09:15:30.480	0.0	T__	---	15299083	FDSN	IR	--	ISC	iLoc	???	???	_
PDKS	0.98	296.4	Lg	09:15:43.620	-1.1	T__	---	15299084	FDSN	IR	--	ISC	iLoc	???	???	_
PDKS	0.98	296.4	IAML	09:15:45.000	-99.0	---	17.5 0.15	15299085	FDSN	IR	--	ISC	iLoc	???	???	_
BELGA	1.06	49.4	Lg	09:15:45.387	-1.4	T__	---	15299086	FDSN	HU	--	BUD	iLoc	HHE	???	_
BLY	1.07	141.9	Pg	09:15:32.109	-0.3	T__	166.1	15299087	FDSN	MN	--	BUD	iLoc	BHZ	BHZ	_
BLY	1.07	141.9	Lg	09:15:47.744	1.7	T__	---	15299088	FDSN	MN	--	BUD	iLoc	BHN	???	_
(Station ML : 2.3 1																
SLATY	1.09	137.1	Pg	09:15:32.600	-0.2	T__	---	15299089	FDSN	IR	--	ISC	iLoc	???	???	_
SLATY	1.09	137.1	Lg	09:15:48.000	1.4	T__	---	15299090	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	1.10	143.0	Pn	09:15:35.000	1.1	T__	0.2	15299091	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	1.10	143.0	Lg	09:15:46.400	-0.8	T__	---	15299092	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	1.10	143.0	Sg	09:15:46.900	-0.3	T__	---	15299093	FDSN	IR	--	ISC	iLoc	???	???	_

BLY	1.10	143.0	Sb	09:15:48.100	0.9	T__	---	---	15299094	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.3 1																	
UDBI	1.16	197.5	Pg	09:15:34.040	-0.1	T__	---	---	15299095	FDSN	IR	--	ISC	iLoc	???	???	_
UDBI	1.16	197.5	Lg	09:15:50.690	-0.2	T__	---	---	15299096	FDSN	IR	--	ISC	iLoc	???	???	_
A021A	1.16	345.3	Pn	09:15:34.159	-0.4	T__	---	---	15299097	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A021A	1.16	345.3	Lg	09:15:49.069	0.2	T__	---	---	15299098	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A050A	1.17	170.2	Pg	09:15:33.500	-0.7	T__	---	---	15299099	FDSN	IR	--	ISC	iLoc	???	???	_
A050A	1.17	170.2	Lg	09:15:50.000	-0.9	T__	---	---	15299100	FDSN	IR	--	ISC	iLoc	???	???	_
A263A	1.25	35.9	Lg	09:15:53.253	0.5	T__	---	---	15299101	FDSN	Z3	00	BUD	iLoc	HHN	???	_
LJU	1.27	289.4	Sn	09:15:52.200	-2.2	T__	---	---	15299102	FDSN	IR	--	ISC	iLoc	???	???	_
RIY	1.28	256.7	Pn	09:15:36.220	-0.2	T__	---	---	15299103	FDSN	IR	--	ISC	iLoc	???	???	_
RIY	1.28	256.7	Pn	09:15:36.300	-0.2	T__	---	---	15299104	FDSN	IR	--	ISC	iLoc	???	???	_
RIY	1.28	256.7	Sn	09:15:53.560	-1.1	T__	---	---	15299105	FDSN	IR	--	ISC	iLoc	???	???	_
RIY	1.28	256.7	Lg	09:15:53.900	-2.1	T__	---	---	15299106	FDSN	IR	--	ISC	iLoc	???	???	_
CEY	1.28	275.3	Pg	09:15:36.100	0.4	T__	---	---	15299107	FDSN	IR	--	ISC	iLoc	???	???	_
CEY	1.28	275.3	Pn	09:15:36.600	-0.0	T__	---	---	15299108	FDSN	IR	--	ISC	iLoc	???	???	_
CEY	1.28	275.3	Pb	09:15:36.800	1.1	T__	---	---	15299109	FDSN	IR	--	ISC	iLoc	???	???	_
CEY	1.28	275.3	Sn	09:15:52.500	-2.4	T__	---	---	15299110	FDSN	IR	--	ISC	iLoc	???	???	_
CEY	1.28	275.3	Lg	09:15:53.100	-3.2	T__	---	---	15299111	FDSN	IR	--	ISC	iLoc	???	???	_
A265A	1.33	53.1	Lg	09:15:55.947	0.6	T__	---	---	15299112	FDSN	Z3	00	BUD	iLoc	HHN	???	_
SOKA	1.34	321.3	Pg	09:15:36.393	-0.7	T__	---	4.6 0.28	15299113	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	1.34	321.3	Lg	09:15:54.029	-1.2	T__	---	2.8 0.16	15299114	FDSN	IR	--	ISC	iLoc	???	???	_
RABC	1.36	230.2	Pg	09:15:37.710	0.3	T__	---	---	15299115	FDSN	IR	--	ISC	iLoc	???	???	_
RABC	1.36	230.2	Sn	09:15:57.130	0.3	T__	---	---	15299116	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	1.37	70.0	Pn	09:15:35.380	-1.7	T__	---	71.9	15299117	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	1.37	70.0	Pg	09:15:39.900	1.8	T__	---	0.1	15299118	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.1 1																	
NVLJ	1.45	222.9	Pg	09:15:39.390	0.4	T__	---	---	15299119	FDSN	IR	--	ISC	iLoc	???	???	_
NVLJ	1.45	222.9	Lg	09:16:00.100	0.0	T__	---	---	15299120	FDSN	IR	--	ISC	iLoc	???	???	_
A261A	1.46	24.9	Lg	09:15:59.912	0.7	T__	---	---	15299121	FDSN	Z3	00	BUD	iLoc	HHE	???	_
OBKA	1.47	307.0	Pg	09:15:38.910	-0.3	T__	---	7.0 0.36	15299122	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.47	307.0	Pn	09:15:39.400	-0.2	T__	---	---	15299123	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.47	307.0	Pb	09:15:42.700	3.5	T__	---	0.2	15299124	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.47	307.0	Sn	09:15:57.643	-1.8	T__	---	39.8 0.40	15299125	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.47	307.0	Pn	09:15:39.702	0.1	T__	---	179.6	15299126	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
OBKA	1.47	307.0	Lg	09:15:59.214	-0.1	T__	---	---	15299127	FDSN	OE	--	BUD	iLoc	BHN	???	_
(Station ML : 2.6 1																	
VIRC	1.59	212.8	Pg	09:15:42.160	0.6	T__	---	---	15299128	FDSN	IR	--	ISC	iLoc	???	???	_
VIRC	1.59	212.8	Sn	09:16:03.270	0.4	T__	---	---	15299129	FDSN	IR	--	ISC	iLoc	???	???	_
KIJV	1.63	176.1	Pg	09:15:42.860	0.6	T__	---	---	15299130	FDSN	IR	--	ISC	iLoc	???	???	_
KIJV	1.63	176.1	Sn	09:16:04.760	0.3	T__	---	---	15299131	FDSN	IR	--	ISC	iLoc	???	???	_
A266A	1.66	56.8	Sn	09:16:03.011	0.1	T__	---	---	15299132	FDSN	Z3	00	BUD	iLoc	HHN	???	_
ARSA	1.69	342.9	Pn	09:15:40.782	-1.3	T__	---	52.0	15299133	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
ARSA	1.69	342.9	Lg	09:16:05.901	0.3	T__	---	---	15299134	FDSN	OE	--	BUD	iLoc	BHN	???	_
ARSA	1.69	342.9	Pn	09:15:42.300	0.2	T__	---	---	15299135	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.69	342.9	Pg	09:15:45.400	2.1	T__	---	---	15299136	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.69	342.9	Sn	09:16:02.616	-1.1	T__	---	7.4 0.32	15299137	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.69	342.9	Lg	09:16:04.900	-0.7	T__	---	---	15299138	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.2 1																	
MORH	1.77	70.0	Pg	09:15:44.700	-0.7	T__	---	---	15299139	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.77	70.0	Pb	09:15:48.200	2.8	T__	---	---	15299140	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.77	70.0	Lg	09:16:07.300	-1.5	T__	---	---	15299141	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.77	69.9	Pn	09:15:40.697	-1.8	T__	---	20.6	15299142	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_

(Station ML : 1.8 0																	
MORI	1.81	192.6	Pn	09:15:44.840	0.6	T__	---	---	15299143	FDSN	IR	--	ISC	iLoc	???	???	_
MORI	1.81	192.6	Sn	09:16:08.520	-0.6	T__	---	---	15299144	FDSN	IR	--	ISC	iLoc	???	???	_
DUGI	1.85	207.8	Pn	09:15:44.940	0.3	T__	---	---	15299145	FDSN	IR	--	ISC	iLoc	???	???	_
DUGI	1.85	207.8	Sn	09:16:10.310	0.2	T__	---	---	15299146	FDSN	IR	--	ISC	iLoc	???	???	_
ZIRJ	2.03	192.6	Pn	09:15:47.810	0.5	T__	---	---	15299147	FDSN	IR	--	ISC	iLoc	???	???	_
ZIRJ	2.03	192.6	Sn	09:16:14.670	-0.1	T__	---	---	15299148	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	2.07	0.8	Pn	09:15:47.468	0.3	T__	---	2.5 0.22	15299149	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	2.07	0.8	Sn	09:16:12.098	-0.8	T__	---	4.9 0.44	15299150	FDSN	IR	--	ISC	iLoc	???	???	_
MYKA	2.07	299.7	Pg	09:15:52.810	3.7	T__	---	2.0 0.26	15299151	FDSN	IR	--	ISC	iLoc	???	???	_
MYKA	2.07	299.7	Lg	09:16:18.007	0.8	T__	---	6.3 0.34	15299152	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	2.31	353.5	Pn	09:15:50.120	-0.6	T__	---	31.7	15299153	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
CONA	2.31	353.5	Sn	09:16:19.830	0.6	T__	---	MLv	15299154	FDSN	OE	--	BUD	iLoc	BHE	???	_
CONA	2.31	353.5	Pn	09:15:49.543	-1.1	T__	---	0.6 0.18	15299155	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	2.31	353.5	Pg	09:15:58.600	3.7	T__	---	---	15299156	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	2.31	353.5	Sn	09:16:18.621	-0.6	T__	---	1.4 0.32	15299157	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.3 1																	
MAKA	2.41	166.6	Sn	09:16:24.140	0.6	T__	---	---	15299158	FDSN	IR	--	ISC	iLoc	???	???	_
HAPS	2.47	127.9	Pn	09:15:53.700	0.7	T__	---	---	15299159	FDSN	IR	--	ISC	iLoc	???	???	_
HAPS	2.47	127.9	Sn	09:16:24.800	1.2	T__	---	---	15299160	FDSN	IR	--	ISC	iLoc	???	???	_
KBA	2.48	306.7	Pg	09:15:58.567	2.0	T__	---	1.2 0.34	15299161	FDSN	IR	--	ISC	iLoc	???	???	_
KBA	2.48	306.7	Lg	09:16:30.223	-1.8	T__	---	1.8 0.28	15299162	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	2.55	99.5	Pn	09:15:55.400	1.8	T__	---	---	15299163	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	2.55	99.5	Pg	09:15:55.900	-2.7	T__	---	---	15299164	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	2.55	99.5	Sn	09:16:27.100	1.9	T__	---	---	15299165	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	2.55	99.5	Lg	09:16:27.700	-7.3	T__	---	---	15299166	FDSN	IR	--	ISC	iLoc	???	???	_
TEKS	2.56	113.9	Pn	09:15:55.200	1.3	T__	---	---	15299167	FDSN	IR	--	ISC	iLoc	???	???	_
TEKS	2.56	113.9	Pg	09:15:56.800	-2.1	T__	---	---	15299168	FDSN	IR	--	ISC	iLoc	???	???	_
TEKS	2.56	113.9	Sn	09:16:27.000	1.7	T__	---	---	15299169	FDSN	IR	--	ISC	iLoc	???	???	_
TEKS	2.56	113.9	Lg	09:16:27.100	-7.8	T__	---	---	15299170	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	2.60	329.1	Pn	09:15:55.000	0.1	T__	---	---	15299171	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	2.60	329.1	Pn	09:15:55.028	0.1	T__	---	0.9 0.18	15299172	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	2.60	329.1	Sn	09:16:25.100	-1.5	T__	---	---	15299173	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	2.60	329.1	Lg	09:16:25.403	-9.3	T__	---	2.1 0.20	15299174	FDSN	IR	--	ISC	iLoc	???	???	_
LSTV	2.90	170.7	Pn	09:15:59.900	0.4	T__	---	---	15299175	FDSN	IR	--	ISC	iLoc	???	???	_
LSTV	2.90	170.7	Sn	09:16:35.080	-1.6	T__	---	---	15299176	FDSN	IR	--	ISC	iLoc	???	???	_
STON	2.95	158.9	Pn	09:15:59.800	-0.1	T__	---	---	15299177	FDSN	IR	--	ISC	iLoc	???	???	_
STON	2.95	158.9	Sn	09:16:35.700	-1.3	T__	---	---	15299178	FDSN	IR	--	ISC	iLoc	???	???	_
LESA	3.05	307.2	Pn	09:16:03.966	2.2	T__	---	0.3 0.18	15299179	FDSN	IR	--	ISC	iLoc	???	???	_
LESA	3.05	307.2	Sn	09:16:38.560	0.6	T__	---	2.1 0.32	15299180	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	3.43	1.6	Pn	09:16:04.800	-1.1	T__	---	---	15299181	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	3.43	1.6	Sn	09:16:43.500	-2.9	T__	---	---	15299182	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	3.94	333.5	Pn	09:16:12.800	-0.2	T__	---	---	15299183	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	3.94	333.5	Sn	09:16:57.300	-2.3	T__	---	---	15299184	FDSN	IR	--	ISC	iLoc	???	???	_
ZVC	4.05	340.6	Sn	09:16:58.400	-3.9	T__	---	---	15299185	FDSN	IR	--	ISC	iLoc	???	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/05/02 07:18:46.72 1.65 0.65 48.6196 20.7401 13.5 4.1 1 0.0S 14 7 151 0.22 1.30 m sx BUD 15299251 iLoc 189
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
ML 1.5 0.2 6 ILOC 15299251

Sta	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	231.2	Pg	07:18:51.535	0.3					T__		1552.0		---	MLv	15299253	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.22	231.2	Lg	07:18:54.300	-0.5					T__		1.6		---		15299254	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	0.22	231.2	Lg	07:18:55.128	0.3					T__				---		15299255	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 2.1 0)																								
ABAH	0.46	134.0	Pg	07:18:56.074	-0.1					T__		52.0		---	MLv	15299256	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.46	134.0	Lg	07:19:03.788	-0.3					T__				---		15299257	FDSN	HU	--	BUD	iLoc	HHE	???	_
ABAH	0.46	134.0	Lg	07:19:05.000	0.9					T__		0.1		---		15299258	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.3 1)																								
PSZ	0.90	219.2	Pn	07:19:05.324	-0.4					T__		43.6		---	MLv	15299259	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.90	219.2	Lg	07:19:18.503	-0.7					T__				---		15299260	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.6 1)																								
LA NS	0.99	302.8	Pn	07:19:07.148	-0.0					T__		59.7		---	MLv	15299261	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 1.8 1)																								
HOLU	1.10	94.2	Pn	07:19:08.864	0.6					T__				---		15299262	FDSN	UA	--	BUD	iLoc	MHZ	???	_
VYHS	1.27	265.0	Pg	07:19:12.103	-0.2					T__		5.8		---	MLv	15299263	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.27	265.0	Sn	07:19:29.820	-0.2					T__				---		15299264	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.0 0)																								
TRPA	1.30	111.5	Pn	07:19:11.126	0.1					T__		16.7		---	MLv	15299265	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
TRPA	1.30	111.5	Sn	07:19:28.920	-1.5					T__				---		15299266	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/05/02	08:29:22.58	0.93	1.25	47.8977	19.4382	8.6	3.3	171	0.0S		10	7	150	0.29	1.52	m	kx BUD	15299294	iLoc			173	
2019/05/02	08:29:22.74f		1.05	47.9151	19.4088f				0.0S		10		145	0.27	1.50	a	kx BUD_GT	15327817	BUD			165	
(GT info : GT2 explosion)																							
(description : known quarry blast)																							
(locality : Szanda Hungary)																							

Magnitude Err Nsta Author OrigID
ML 1.0 1.5 3 BUD 15299294
ML 1.5 0.6 3 ILOC 15327817

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A270A	0.27	255.2	Pg	08:29:29.237	0.6					T__		821.9		---	MLv	15329501	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A270A	0.27	255.2	Lg	08:29:34.254	0.7					T__				---		15329502	FDSN	Z3	00	BUD	BUD	HHE	???	_
(Station ML : 2.0 1)																								
PSZ	0.33	89.2	Pg	08:29:29.760	-0.4					T__		211.5		---	MLv	15329503	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.33	89.2	Lg	08:29:35.148	-0.6					T__				---		15329504	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.5 1)																								
VYHS	0.69	326.7	Pn	08:29:39.409	0.5					T__		13.3		---	MLv	15329505	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
VYHS	0.69	326.7	Lg	08:29:47.335	0.1					T__				---		15329506	FDSN	SK	--	BUD	BUD	HHN	???	_
(Station ML : 1.0 1)																								
CSKK	0.95	235.0	Lg	08:29:55.783	-1.4					T__				---		15329507	FDSN	HU	--	BUD	BUD	HHN	???	_
ABAH	1.28	72.1	Sn	08:30:06.688	1.0					T__				---		15329508	FDSN	HU	--	BUD	BUD	HHN	???	_
JAVC	1.49	309.8	Sn	08:30:10.404	-2.0					T__				---		15329509	FDSN	CZ	--	BUD	BUD	BHN	???	_
MODS	1.50	288.6	Lg	08:30:13.580	-1.6					T__				---		15329510	FDSN	SK	--	BUD	BUD	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/05/02	08:47:15.16	0.96	1.64	47.9024	19.1709	5.3	3.6	160	0.0S		10	6	153	0.12	1.38	m	kx	BUD	15299319	iLoc		203
2019/05/02	08:47:15.73	0.94	1.09	47.8055	19.1040				0.0F	0.0	5		217	0.54	1.35	a	kx	KRSZO	15273615	ISC		360
2019/05/02	08:47:14.88f		0.84	47.8355	19.1270f				0.0S		10		197	0.07	1.41	a	kx	BUD_GT	15327821	BUD		223

(GT info : GT2 explosion)

(description : known quarry blast)

(locality : Sejce-Vác Hungary)

Magnitude	Err	Nsta	Author	OrigID
M	1.1		KRSZO	15273615
MLv	1.1		KRSZO	15273615

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A270A	0.07	277.6	Pg	08:47:18.216	1.3					T__		3445.5		___	MLv	15329511	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A270A	0.07	277.6	Lg	08:47:19.817	1.1					T__				___		15329512	FDSN	Z3	00	BUD	BUD	HHE	???	_
PSZ	0.52	80.6	Pg	08:47:25.732	-0.6					T__		39.0		___	MLv	15329513	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.52	80.6	Lg	08:47:33.903	-0.8					T__				___		15329514	FDSN	GE	--	BUD	BUD	BHZ	???	_
VYHS	0.69	343.6	Pg	08:47:27.400	-1.5					T__		0.0		___		15329515	FDSN	IR	--	ISC	BUD	???	???	_
VYHS	0.69	343.6	Lg	08:47:38.741	-0.4					T__				___		15329517	FDSN	SK	--	BUD	BUD	HHN	???	_
VYHS	0.69	343.6	Lg	08:47:39.100	-0.0					T__		0.0		___		15329516	FDSN	IR	--	ISC	BUD	???	???	_
KECS	1.12	54.0	Sn	08:47:53.723	-0.2					T__				___		15329518	FDSN	SK	--	BUD	BUD	EHN	???	_
MODS	1.35	294.1	Sn	08:47:59.523	-0.8					T__				___		15329519	FDSN	SK	--	BUD	BUD	HHE	???	_
JAVC	1.41	317.1	Lg	08:48:04.420	-0.2					T__				___		15329520	FDSN	CZ	--	BUD	BUD	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/05/02	10:11:33.08	3.58	2.49	48.8477	20.9610	29.0	9.8	21	0.0S		6	4	264	0.48	1.45	m	sx	BUD	15299341	iLoc		321

(description : suspected quarry blast)
(locality : Dvorniky-Vcelare Slovakia)

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.4	3 ILOC	15299341

Sta	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	0.48	221.0	Pg	10:11:42.873	0.1					T__		636.2		___	MLv	15299343	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 2.4 1																								
ABAH	0.58	161.4	Pn	10:11:48.551	-0.1					T__		46.5		___	MLv	15299344	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.58	161.4	Lg	10:11:54.575	0.1					T__				___		15299345	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.5 1																								
PSZ	1.17	217.8	Pn	10:11:55.787	-0.1					T__		39.6		___	MLv	15299346	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	1.17	217.8	Sn	10:12:09.705	-4.3					T__				___		15299347	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.7 1																								
VYHS	1.45	256.7	Lg	10:12:21.961	0.0					T__				___		15299348	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
2019/05/03	08:04:04.21	1.61	1.03	48.6478	20.8273	13.0	4.8	8	0.0S		14	8	79	0.28	1.67	m	sx	BUD	15299362	iLoc		148

(description : suspected quarry blast)
(locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
ML 1.7 0.1 7 ILOC 15299362

Sta	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	234.2	Pg	08:04:10.140	0.2					T__		881.3		---	MLv	15299364	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.28	234.2	Lg	08:04:14.511	0.1					T__				---		15299365	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 2.0 1)																								
ABAH	0.45	141.9	Pg	08:04:13.212	-0.1					T__		73.5		---	MLv	15299366	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.45	141.9	Lg	08:04:21.203	0.2					T__				---		15299367	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.4 1)																								
STHS	0.82	19.4	Pn	08:04:23.260	1.1					T__		74.4		---	MLv	15299368	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
STHS	0.82	19.4	Sn	08:04:35.140	-1.7					T__				---		15299369	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.8 1)																								
PSZ	0.96	220.8	Pn	08:04:23.517	-0.5					T__		43.4		---	MLv	15299370	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.96	220.8	Lg	08:04:38.162	-0.5					T__				---		15299371	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.7 1)																								
KOLS	1.00	72.8	Sn	08:04:43.626	2.4					T__				---		15299372	FDSN	SK	--	BUD	iLoc	HHE	???	_
LANS	1.03	299.8	Pn	08:04:25.915	0.8					T__		45.7		---	MLv	15299373	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 1.7 1)																								
VYHS	1.33	264.1	Pg	08:04:30.962	0.0					T__		10.7		---	MLv	15299374	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.33	264.1	Sn	08:04:48.691	-0.4					T__				---		15299375	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.3 0)																								
A335A	1.67	264.0	Pg	08:04:36.782	-0.7					T__		44.3		---	MLv	15299376	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A335A	1.67	264.0	Sn	08:04:57.104	-0.3					T__				---		15299377	FDSN	Z3	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	
2019/05/03	09:53:41.04	0.32	0.66	47.4035	18.7136				0.0F	0.0	11	113		0.23	1.19	a	kx KRSZO	15273625	ISC			360	
2019/05/03	09:53:39.25	0.86	0.66	47.4476	18.7066	5.5	2.4	163	0.0S		24	9	101	0.22	1.23	m	sx BUD	15299407	iLoc			170	
(description : suspected quarry blast)																							
(locality : Etyek Hungary)																							

Magnitude Err Nsta Author OrigID
M 1.9 KRSZO 15273625
MLv 1.9 KRSZO 15273625
ML 1.9 0.3 6 ILOC 15299407

Sta	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	80.4	Pg	09:53:44.531	0.2					T__		369.9		---	MLv	15299409	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BUD	0.22	80.4	Pg	09:53:44.700	0.4					T__		0.4		---		15299410	FDSN	IR	--	ISC	iLoc	???	???	_
BUD	0.22	80.4	Lg	09:53:48.600	0.1					T__		0.4		---		15299411	FDSN	IR	--	ISC	iLoc	???	???	_
BUD	0.22	80.4	Lg	09:53:48.755	0.2					T__				---		15299412	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.5 1)																								
A269A	0.29	311.1	Lg	09:53:50.375	-0.6					T__				---		15299413	FDSN	Z3	00	BUD	iLoc	HHN	???	_
CSKK	0.31	254.6	Pg	09:53:46.141	0.1					T__		1720.0		---	MLv	15299414	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.31	254.6	Lg	09:53:51.732	-0.1					T__				---		15299415	FDSN	HU	--	BUD	iLoc	HHE	???	_
CSKK	0.31	254.6	Pg	09:53:45.700	-0.3					T__		17.3		---		15299416	FDSN	IR	--	ISC	iLoc	???	???	_
CSKK	0.31	254.6	Lg	09:53:52.600	0.8					T__		17.3		---		15299417	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.4 0)																								
A270A	0.45	27.8	Lg	09:53:56.247	-0.2					T__				---		15299418	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A268A	0.53	268.5	Pg	09:53:50.160	-0.1					T__		168.4		---	MLv	15299419	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_

A268A	0.53	268.5	Lg	09:53:59.872	0.8	T__								15299420	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 2.0 1																						
MPLH	0.84	251.2	Pn	09:53:56.579	-0.6	T__				62.9		MLv		15299421	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.84	251.2	Lg	09:54:08.212	-0.3	T__								15299422	FDSN	HU	--	BUD	iLoc	BHN	???	_
MPLH	0.84	251.2	Sn	09:54:11.400	-0.1	T__				0.1				15299423	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.8 1																						
PSZ	0.93	59.2	Pg	09:53:59.349	0.4	T__				139.9		MLv		15299424	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.93	59.2	Lg	09:54:12.021	-1.1	T__								15299425	FDSN	GE	--	BUD	iLoc	BHE	???	_
PSZ	0.93	59.2	Pg	09:53:59.100	0.1	T__				0.1				15299426	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.93	59.2	Lg	09:54:11.700	-1.4	T__				0.1				15299427	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.2 1																						
VYHS	1.05	4.7	Pg	09:54:00.900	0.3	T__				0.0				15299430	FDSN	IR	--	ISC	iLoc	???	???	_
VYHS	1.05	4.7	Pg	09:54:01.219	0.6	T__				14.0		MLv		15299428	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.05	4.7	Lg	09:54:15.900	-0.0	T__				0.0				15299431	FDSN	IR	--	ISC	iLoc	???	???	_
VYHS	1.05	4.7	Lg	09:54:16.314	0.4	T__								15299429	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.2 0																						
MORH	1.23	182.0	Sn	09:54:19.153	-1.6	T__								15299432	FDSN	HU	--	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
 2019/05/03 10:24:05.31 1.87 1.44 48.4328 19.9046 19.9 10.4 117 0.0S 7 5 167 0.39 1.04 m sx BUD 15299467 iLoc 265
 (description : suspected quarry blast)
 (locality : Velke-Dravce Slovakia)

Magnitude Err Nsta Author OrigID
 ML 2.0 0.5 3 ILOC 15299467

Sta	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	82.4	Pn	10:24:18.240	0.0					T__		849.9		MLv		15299469	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
(Station ML : 2.3 1																								
PSZ	0.51	180.8	Pn	10:24:19.001	-0.9					T__		174.5		MLv		15299470	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.51	180.8	Lg	10:24:25.441	0.8					T__						15299471	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 2.0 1																								
VYHS	0.71	275.3	Pn	10:24:23.779	2.1					T__		7.4		MLv		15299472	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.71	275.3	Sn	10:24:33.612	-1.2					T__						15299473	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 0.8 1																								
A270A	0.84	225.6	Sn	10:24:37.514	0.1					T__						15299474	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	1.04	271.4	Sn	10:24:43.969	1.0					T__						15299475	FDSN	Z3	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
 2019/05/03 20:20:10.30 0.08 0.14 48.8095 19.4651 0.7 0.6 59 2.9F 1.3 22 73 0.34 1.60 a ke IPEC 15273658 ISC 360
 2019/05/03 20:20:14.10 48.9900 19.4400 0.0A 11 a ke PRU 15273656 ISC 360
 2019/05/03 20:20:09.73 0.86 1.25 48.7627 19.4859 5.9 3.5 9 6.4F 8.2 37 16 73 0.39 2.60 m ke BUD 15299489 iLoc 122

Magnitude Err Nsta Author OrigID
 ML 1.2 IPEC 15273658
 ML 1.8 0.1 7 ILOC 15299489

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

LANS	0.39	358.2	Pg	20:20:17.018	-0.6	T__	259.3	---	MLv	15299491	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
LANS	0.39	358.2	Lg	20:20:21.679	-1.3	T__		---		15299492	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 1.8 1																		
VYHS	0.51	238.3	Pg	20:20:20.270	0.1	T__	10.9	---	MLv	15299493	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.51	238.3	Lg	20:20:28.167	0.5	T__		---		15299494	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 0.8 0																		
KECS	0.72	112.5	Pg	20:20:24.300	0.2	T__	0.3	---		15299495	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	0.72	112.5	Pg	20:20:24.598	0.5	T__	261.2	---	MLv	15299496	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.72	112.5	Lg	20:20:34.105	-0.4	T__		---		15299497	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 2.3 0																		
A335A	0.83	247.9	Pn	20:20:25.724	-1.3	T__	95.6	---	MLv	15299498	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.9 1																		
NIE	0.85	39.3	Pg	20:20:26.165	0.3	T__	23.4	---	MLv	15299499	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.85	39.3	Lg	20:20:37.659	-0.2	T__		---		15299500	FDSN	PL	--	BUD	iLoc	BHN	???	_
(Station ML : 1.3 1																		
PSZ	0.89	162.0	Pn	20:20:28.101	0.2	T__	73.5	---	MLv	15299501	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.89	162.0	Sn	20:20:40.823	-1.7	T__		---		15299502	FDSN	GE	--	BUD	iLoc	BHZ	???	_
(Station ML : 1.9 1																		
JAVC	1.20	275.3	Pg	20:20:33.966	0.1	T__		---		15299503	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	1.20	275.3	Lg	20:20:51.186	0.4	T__		---		15299504	FDSN	CZ	--	BUD	iLoc	BHN	???	_
JAVC	1.20	275.3	Pn	20:20:33.300	0.7	T__		---		15299505	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	1.20	275.3	Pg	20:20:33.400	-0.5	T__		---		15299506	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	1.20	275.3	Sn	20:20:47.300	-3.7	T__	3.3	0.46	---	15299507	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	1.20	275.3	Sn	20:20:47.300	-3.7	T__		---		15299508	FDSN	IR	--	ISC	iLoc	???	???	_
SRO	1.23	219.9	Sn	20:20:52.360	1.8	T__		---		15299509	FDSN	SK	--	BUD	iLoc	EHE	???	_
MAUC	1.25	299.6	Pg	20:20:34.800	0.8	T__		---		15299510	FDSN	IR	--	ISC	iLoc	???	???	_
MAUC	1.25	299.6	Lg	20:20:50.700	0.1	T__		---		15299511	FDSN	IR	--	ISC	iLoc	???	???	_
OKC	1.39	321.3	Pg	20:20:36.503	0.3	T__	28.4	---	MLv	15299512	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_
OKC	1.39	321.3	Sn	20:20:54.246	-0.6	T__		---		15299513	FDSN	CZ	--	BUD	iLoc	BHN	???	_
(Station ML : 1.7 1																		
OJC	1.47	7.8	Lg	20:20:56.712	0.2	T__		---		15299514	FDSN	PL	--	BUD	iLoc	BHE	???	_
STEB	1.62	317.0	Pg	20:20:40.300	-0.1	T__		---		15299515	FDSN	IR	--	ISC	iLoc	???	???	_
STEB	1.62	317.0	Lg	20:21:00.400	-0.6	T__		---		15299516	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	1.63	309.3	Pg	20:20:40.361	-0.4	T__		---		15299517	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MORC	1.63	309.3	Lg	20:21:01.460	-0.4	T__		---		15299518	FDSN	CZ	--	BUD	iLoc	BHN	???	_
MORC	1.63	309.3	Pn	20:20:39.400	1.1	T__		---		15299519	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	1.63	309.3	Pn	20:20:39.500	1.1	T__		---		15299520	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	1.63	309.3	Sn	20:21:00.100	-1.3	T__	1.4	0.23	---	15299521	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	1.63	309.3	Sn	20:21:00.100	-1.3	T__		---		15299522	FDSN	IR	--	ISC	iLoc	???	???	_
LOSC	1.63	302.6	Pn	20:20:39.500	1.2	T__		---		15299523	FDSN	IR	--	ISC	iLoc	???	???	_
LOSC	1.63	302.6	Sn	20:21:00.400	-0.8	T__	1.9	0.40	---	15299524	FDSN	IR	--	ISC	iLoc	???	???	_
KRLC	2.20	307.7	Sn	20:21:16.500	0.5	T__		---		15299525	FDSN	IR	--	ISC	iLoc	???	???	_
DPC	2.60	308.8	Pg	20:20:57.700	-0.2	T__		---		15299526	FDSN	IR	--	ISC	iLoc	???	???	_
DPC	2.60	308.8	Lg	20:21:32.900	1.5	T__		---		15299527	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/05/04	08:52:12.62	0.99	1.01	46.1647	18.3019	6.1	3.5	152	0.0S		7	4	163	0.16	0.63	m	kx BUD	15299561	iLoc			245
2019/05/04	08:52:12.52f		0.77	46.1765	18.2926f				0.0S		7		155	0.16	0.63	a	kx BUD_GT	15327833	BUD			239
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Komló-II Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	-0.9	0.7	3 BUD	15299561
ML	1.2	0.5	3 ILOC	15327833

Sta	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	236.7	Pg	08:52:16.333	-0.1					T__		254.1		_c_	MLv	15329521	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.16	236.7	Lg	08:52:19.172	-0.3					T__				---		15329522	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 1.2 1																								
MORH	0.25	80.7	Pg	08:52:18.064	0.0					T__		52.8		---	MLv	15329523	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.25	80.7	Lg	08:52:22.496	0.1					T__				---		15329524	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 0.7 1																								
A266A	0.35	356.8	Pg	08:52:20.217	0.1					T__		173.3		---	MLv	15329525	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A266A	0.35	356.8	Lg	08:52:26.143	0.2					T__				---		15329526	FDSN	Z3	00	BUD	BUD	HHZ	???	_
(Station ML : 1.5 1																								
BELGA	0.63	283.4	Sn	08:52:36.707	-2.0					T__				---		15329527	FDSN	HU	--	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/05/06	10:01:08.63	2.17	0.98	47.3116	18.4110	15.8	6.1	152	0.0S		7	6	198	0.11	1.17	m	sx BUD	15299583	iLoc			231
(description : suspected quarry blast)																						
(locality : Tatabánya Hungary)																						

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	0.11	296.8	Pg	10:01:12.223	0.7					T__		993.5		---	MLv	15299585	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.11	296.8	Lg	10:01:14.006	-0.4					T__				---		15299586	FDSN	HU	--	BUD	iLoc	HHN	???	_
A269A	0.33	356.6	Lg	10:01:21.103	-0.5					T__				---		15299587	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A268A	0.35	290.0	Lg	10:01:22.403	0.0					T__				---		15299588	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MPLH	0.61	256.9	Sn	10:01:33.394	-1.7					T__				---		15299589	FDSN	HU	--	BUD	iLoc	BHE	???	_
A270A	0.67	37.4	Lg	10:01:33.515	-0.2					T__				---		15299590	FDSN	Z3	00	BUD	iLoc	HHN	???	_
PSZ	1.17	58.3	Sn	10:01:49.269	-0.3					T__				---		15299591	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
2019/05/07	00:52:35.88	0.97	0.75	48.6329	19.3947	4.9	3.8	149	14.1F	20.7	10	5	109	0.40	0.79	m	ke BUD	15299596	iLoc			205

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.2	5 ILOC	15299596

Sta	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	0.40	249.7	Pg	00:52:44.824	0.5					T__		8.6		---	MLv	15299598	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.40	249.7	Lg	00:52:50.190	-0.2					T__				---		15299599	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 0.3 0																								
LANS	0.52	5.3	Pg	00:52:46.624	0.2					T__		16.8		---	MLv	15299600	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
LANS	0.52	5.3	Lg	00:52:53.375	-0.1					T__				---		15299601	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.0 1																								
A335A	0.73	255.6	Pg	00:52:50.833	0.2					T__		43.3		---	MLv	15299602	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A335A	0.73	255.6	Lg	00:53:00.439	-1.1					T__				---		15299603	FDSN	Z3	00	BUD	iLoc	HHN	???	_

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(Station ML : 1.5 1
KECS 0.74 101.3 Pg 00:52:51.056 0.4 T__ 90.0 ___ MLv 15299604 FDSN SK -- BUD iLoc EHN EHZ _
KECS 0.74 101.3 Lg 00:53:00.383 -0.7 T__ ___ 15299605 FDSN SK -- BUD iLoc EHN ??? _
(Station ML : 1.9 0
PSZ 0.79 154.8 Pn 00:52:52.668 0.9 T__ 29.1 ___ MLv 15299606 FDSN GE -- BUD iLoc BHZ BHZ _
PSZ 0.79 154.8 Lg 00:53:03.485 -0.5 T__ ___ 15299607 FDSN GE -- BUD iLoc BHE ??? _

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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
2019/05/07 07:12:35.74 0.85 0.87 47.3004 17.6754 4.2 3.0 130 0.0S 23 11 96 0.16 1.43 m kx BUD 15299629 iLoc 177
2019/05/07 07:12:35.56f 1.10 47.3300 17.6350f 0.0S 23 101 0.17 1.42 a kx BUD_GT 15327839 BUD 110

```

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

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Magnitude Err Nsta Author OrigID
ML -0.6 0.2 3 BUD 15299629
ML 1.4 0.2 3 ILOC 15327839

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Sta 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 0.17 202.2 Pg 07:12:39.300 -0.4 T__ 0.4 ___ 15329528 FDSN IR -- ISC BUD ??? ??? _
MPLH 0.17 202.2 Pg 07:12:39.908 0.3 T__ 413.7 ___ MLv 15329529 FDSN HU -- BUD BUD BHZ BHZ _
MPLH 0.17 202.2 Lg 07:12:41.800 -1.2 T__ 0.4 ___ 15329530 FDSN IR -- ISC BUD ??? ??? _
MPLH 0.17 202.2 Lg 07:12:42.539 -0.3 T__ ___ 15329531 FDSN HU -- BUD BUD BHN ??? _
MPLH 0.17 202.2 Lg 07:12:42.700 -0.3 T__ 0.4 ___ 15329532 FDSN IR -- ISC BUD ??? ??? _
(Station ML : 1.4 1
A268A 0.22 62.6 Lg 07:12:44.030 -0.8 T__ ___ 15329533 FDSN Z3 00 BUD BUD HHN ??? _
EGYH 0.22 293.0 Pg 07:12:41.800 1.1 T__ 0.7 ___ 15329535 FDSN IR -- ISC BUD ??? ??? _
EGYH 0.22 292.8 Lg 07:12:46.486 1.8 T__ ___ 15329534 FDSN HU -- BUD BUD HHE ??? _
CSKK 0.43 85.3 Lg 07:12:51.195 -0.9 T__ ___ 15329536 FDSN HU -- BUD BUD HHE ??? _
A269A 0.59 58.4 Lg 07:12:56.989 -0.8 T__ ___ 15329537 FDSN Z3 00 BUD BUD HHN ??? _
SRO 0.67 43.3 Lg 07:13:00.097 -0.2 T__ ___ 15329538 FDSN SK -- BUD BUD EHN ??? _
BELGA 1.02 188.6 Lg 07:13:10.703 0.9 T__ ___ 15329539 FDSN HU -- BUD BUD HHN ??? _
A270A 1.07 60.7 Pg 07:12:58.126 0.6 T__ 99.4 ___ MLv 15329540 FDSN Z3 00 BUD BUD HHZ HHZ _
A270A 1.07 60.7 Sn 07:13:12.117 -1.3 T__ ___ 15329541 FDSN Z3 00 BUD BUD HHN ??? _
(Station ML : 2.1 1
KOVH 1.28 165.4 Pn 07:12:58.800 -0.8 T__ 0.1 ___ 15329542 FDSN IR -- ISC BUD ??? ??? _
KOVH 1.28 165.4 Lg 07:13:18.961 -0.4 T__ ___ 15329543 FDSN HU -- BUD BUD BHE ??? _
KOVH 1.28 165.4 Lg 07:13:19.100 -0.2 T__ 0.1 ___ 15329544 FDSN IR -- ISC BUD ??? ??? _
MORH 1.31 147.7 Pg 07:13:01.858 0.3 T__ 10.6 ___ MLv 15329545 FDSN HU -- BUD BUD BHZ BHZ _
MORH 1.31 147.8 Pg 07:13:02.000 0.5 T__ 0.0 ___ 15329547 FDSN IR -- ISC BUD ??? ??? _
MORH 1.31 147.8 Sn 07:13:15.800 -3.1 T__ 0.0 ___ 15329548 FDSN IR -- ISC BUD ??? ??? _
MORH 1.31 147.8 Lg 07:13:18.800 -2.1 T__ 0.0 ___ 15329549 FDSN IR -- ISC BUD ??? ??? _
MORH 1.31 147.7 Sn 07:13:19.308 0.5 T__ ___ 15329546 FDSN HU -- BUD BUD BHE ??? _
(Station ML : 1.3 1
VYHS 1.42 34.3 Sn 07:13:23.255 0.9 T__ ___ 15329550 FDSN SK -- BUD BUD 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
2019/05/07 08:12:23.91 2.59 0.94 48.6230 20.7681 19.5 13.6 123 0.0S 11 5 169 0.23 1.29 m sx BUD 15299676 iLoc 277

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(description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.6 0.4 4 ILOC 15299676

Sta	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	233.4	Pg	08:12:29.039	0.3					T__		1571.8		---	MLv	15299678	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.23	233.4	Lg	08:12:31.890	-0.7					T__				---		15299679	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.23	233.4	Lg	08:12:33.000	0.4					T__		1.6		---		15299680	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.1 1																								
PSZ	0.92	219.9	Pn	08:12:42.936	-0.2					T__		31.2		---	MLv	15299681	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.92	219.9	Lg	08:12:56.465	-0.4					T__				---		15299682	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.5 1																								
LANS	1.01	302.1	Pn	08:12:44.903	0.4					T__		38.4		---	MLv	15299683	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
LANS	1.01	302.1	Sn	08:12:59.200	-1.7					T__				---		15299684	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 1.6 1																								
TRPA	1.28	112.0	Sn	08:13:05.700	-1.5					T__				---		15299685	FDSN	IR	--	ISC	iLoc	???	???	_
TRPA	1.28	112.0	Sn	08:13:06.628	-0.6					T__				---		15299686	FDSN	HU	--	BUD	iLoc	BHN	???	_
VYHS	1.29	265.0	Pg	08:12:49.748	-0.1					T__		6.9		---	MLv	15299687	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.29	265.0	Sn	08:13:07.342	-0.4					T__				---		15299688	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
 2019/05/07 08:27:10.28 1.05 1.06 47.3872 18.3902 7.6 4.1 141 0.0S 13 8 109 0.09 1.31 m sx BUD 15299707 iLoc 156
 (description : suspected quarry blast)
 (locality : Gánt Hungary)

Magnitude Err Nsta Author OrigID
 ML 1.5 0.4 3 ILOC 15299707

Sta	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	254.8	Pg	08:27:12.564	-0.2					T__		2640.0		---	MLv	15299709	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.09	254.8	Lg	08:27:14.819	-0.4					T__				---		15299710	FDSN	HU	--	BUD	iLoc	HHZ	???	_
(Station ML : 2.0 1																								
A269A	0.25	358.8	Lg	08:27:21.145	0.5					T__				---		15299711	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A268A	0.32	278.1	Lg	08:27:22.376	-0.5					T__				---		15299712	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
MPLH	0.62	249.8	Pn	08:27:24.298	-2.0					T__		46.5		---	MLv	15299713	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.62	249.8	Lg	08:27:33.947	1.7					T__				---		15299714	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.5 1																								
VYHS	1.15	15.0	Pg	08:27:34.190	0.7					T__		12.9		---	MLv	15299715	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.15	15.0	Sn	08:27:50.621	0.0					T__				---		15299716	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.2 1																								
PSZ	1.15	61.9	Sn	08:27:49.427	-1.2					T__				---		15299717	FDSN	GE	--	BUD	iLoc	BHN	???	_
PSZ	1.15	61.9	Pg	08:27:33.700	-0.7					T__		0.1		---		15299718	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.18	171.4	Sn	08:27:49.855	-0.8					T__				---		15299719	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORH	1.19	171.5	Pg	08:27:34.300	0.4					T__		0.0		---		15299720	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	1.31	188.8	Sn	08:27:54.529	0.7					T__				---		15299721	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/05/07	08:33:22.41	2.00	0.38	45.5266	17.3281	17.3	6.3	174	6.6F	1.9	14	7	230	0.78	1.35	m	ke BUD	15299737	iLoc			239

Magnitude	Err	Nsta	Author	OrigID
ML	2.2	0.3	7 ILOC	15299737

Sta	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	0.78	43.6	Pg	08:33:37.748	-0.2					T__		71.1		___	MLv	15299739	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.78	43.6	Lg	08:33:48.620	0.4					T__				___		15299740	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.8 1																								
DARVA	0.82	353.6	Pg	08:33:38.289	-0.4					T__		160.5		___	MLv	15299741	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
DARVA	0.82	353.6	Lg	08:33:49.734	0.1					T__				___		15299742	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 2.2 1																								
BEHE	1.02	338.0	Pg	08:33:41.938	-0.3					T__		153.8		___	MLv	15299743	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BEHE	1.02	338.0	Lg	08:33:56.237	0.7					T__				___		15299744	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 2.3 1																								
PTJ	1.03	292.3	Pg	08:33:41.799	-0.1					T__		77.5		___	MLv	15299745	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	1.03	292.3	Lg	08:33:56.133	-0.1					T__				___		15299746	FDSN	CR	--	BUD	iLoc	BHN	???	_
(Station ML : 2.0 1																								
MORH	1.15	52.7	Pn	08:33:43.600	-0.0					T__		10.7		___	MLv	15299747	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.15	52.7	Lg	08:34:00.218	0.4					T__				___		15299748	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.2 0																								
KOGS	1.19	321.2	Pg	08:33:45.261	0.2					T__		273.3		___	MLv	15299749	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	1.19	321.2	Lg	08:34:00.738	0.1					T__				___		15299750	FDSN	SL	--	BUD	iLoc	BHN	???	_
(Station ML : 2.6 0																								
CRES	1.35	283.5	Pn	08:33:47.581	0.4					T__		151.7		___	MLv	15299751	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	1.35	283.5	Sn	08:34:05.481	0.3					T__				___		15299752	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
2019/05/07	09:56:19.99	1.19	0.78	47.2271	18.3029	7.7	4.5	105	0.0S		9	7	110	0.14	1.28	m	kx BUD	15299782	iLoc			159
2019/05/07	09:56:20.16f		0.79	47.2302	18.2835f				0.0S		9		108	0.13	1.29	a	kx BUD_GT	15327847	BUD			156

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

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	353.4	Pg	09:56:23.735	0.2					T__		2508.8		___	MLv	15329551	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.13	353.4	Lg	09:56:25.985	-0.6					T__				___		15329552	FDSN	HU	--	BUD	BUD	HHE	???	_
A268A	0.32	309.6	Lg	09:56:32.482	-0.2					T__				___		15329553	FDSN	Z3	00	BUD	BUD	HHE	???	_
A269A	0.41	9.3	Lg	09:56:36.026	-0.2					T__				___		15329554	FDSN	Z3	00	BUD	BUD	HHE	???	_
MPLH	0.51	263.5	Pg	09:56:31.075	0.4					T__		54.7		___	MLv	15329555	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MPLH	0.51	263.5	Lg	09:56:38.726	0.1					T__				___		15329556	FDSN	HU	--	BUD	BUD	BHE	???	_
MORH	1.04	166.1	Lg	09:56:55.171	-1.0					T__				___		15329557	FDSN	HU	--	BUD	BUD	BHN	???	_
KOVH	1.15	186.4	Lg	09:56:59.880	-0.2					T__				___		15329558	FDSN	HU	--	BUD	BUD	BHE	???	_
PSZ	1.29	57.1	Sn	09:57:01.937	-2.0					T__				___		15329559	FDSN	GE	--	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/05/07	11:18:32.51	0.32	0.86	47.3468	18.3970	4.2	3.3	113	0.0A	0.0	11	8	111	0.09	1.28	m	sx BUD	15240544	scolv@krszo				360
2019/05/07	11:18:30.58	0.99	1.30	47.3378	18.3735	5.0	4.2	109	0.0S		12	8	110	0.08	1.26	m	sx BUD_GT	15299801	iLoc			130	

(GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)
(description : suspected quarry blast)
(locality : Gánt Hungary)

Magnitude	Err	Nsta	Author	OrigID
M	1.6	3	BUD	15240544
MLv	1.6	0.4	3 BUD	15240544
ML	1.7	0.4	3 ILOC	15299801

Sta	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	288.4	Pg	11:18:32.607	-0.3					T__		2666.7		---	MLv	15299803	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.08	288.4	Lg	11:18:34.531	-0.6					T__				---		15299804	FDSN	HU	--	BUD	iLoc	HHN	???	_
CSKK	0.08	288.3	Pg	11:18:32.800	-0.1					T__		26.9		---		15299805	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.0 1																								
A269A	0.30	1.1	Pg	11:18:37.943	0.9					T__		371.9		---	MLv	15299806	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A269A	0.30	1.1	Lg	11:18:41.842	-0.8					T__				---		15299807	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 1.7 1																								
A268A	0.32	287.2	Lg	11:18:44.553	1.4					T__				---		15299808	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A270A	0.67	40.5	Lg	11:18:53.996	-1.5					T__				---		15299809	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MORH	1.14	170.5	Pg	11:18:53.781	0.5					T__		9.9		---	MLv	15299810	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.14	170.5	Lg	11:19:09.430	-0.2					T__				---		15299811	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.1 1																								
PSZ	1.18	60.0	Sn	11:19:09.984	-1.7					T__				---		15299812	FDSN	GE	--	BUD	iLoc	BHE	???	_
VYHS	1.20	14.9	Sn	11:19:09.776	-2.3					T__				---		15299813	FDSN	SK	--	BUD	iLoc	HHN	???	_
KOVH	1.26	188.7	Sn	11:19:13.619	0.7					T__				---		15299814	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/05/08	09:44:23.56	0.91	0.78	47.0749	18.0326	5.1	3.8	98	0.0S		12	8	98	0.20	1.52	m	sx BUD	15299829	iLoc			129	

(description : suspected quarry blast)
(locality : Tótvázsony Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.1	5 ILOC	15299829

Sta	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	209.6	Pg	09:44:28.521	0.4					T__		708.5		---	MLv	15299831	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.7 0																								
CSKK	0.33	28.2	Pg	09:44:30.697	0.1					T__		130.2		---	MLv	15299832	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.33	28.2	Lg	09:44:37.001	0.3					T__				---		15299833	FDSN	HU	--	BUD	iLoc	HHZ	???	_
(Station ML : 1.3 1																								
MPLH	0.35	286.0	Pg	09:44:31.183	0.1					T__		98.9		---	MLv	15299834	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.35	286.0	Lg	09:44:36.236	-0.6					T__				---		15299835	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.3 1																								
A268A	0.36	348.3	Lg	09:44:37.740	-0.0					T__				---		15299836	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MORH	0.96	153.7	Pg	09:44:42.679	0.0					T__		11.1		---	MLv	15299837	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	0.96	153.7	Lg	09:44:55.992	-0.7					T__				---		15299838	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.1 0																								
KOVH	0.99	177.3	Pn	09:44:43.063	-0.4					T__		24.0		---	MLv	15299839	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_

KOVH	0.99	177.3	Lg	09:44:57.708	-0.4	T__	---	15299840	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.4 1)																
MODS	1.40	338.8	Sn	09:45:08.620	-1.1	T__	---	15299841	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	1.52	55.6	Sn	09:45:14.504	1.7	T__	---	15299842	FDSN	GE	--	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
2019/05/09	08:00:51.78	1.16	0.60	48.3843	20.6919	28.0	3.7	24	0.0S	9	4	157	0.17	1.24	m	sx	BUD	15299864	iLoc			283
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.1	4 ILOC	15299864

Sta	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	305.8	Pg	08:00:55.391	-0.0					T__		628.7		---	MLv	15299866	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.17	305.8	Lg	08:00:57.400	-0.9					T__		0.6		---		15299867	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	0.17	305.8	Lg	08:00:59.235	0.9					T__				---		15299868	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.6 1)																								
ABAH	0.38	103.4	Pg	08:00:59.477	-0.1					T__		105.5		---	MLv	15299869	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.38	103.4	Lg	08:01:06.470	0.3					T__				---		15299870	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.4 1)																								
PSZ	0.71	229.2	Pn	08:01:07.959	-0.1					T__		39.2		---	MLv	15299871	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.71	229.2	Sn	08:01:21.739	0.4					T__				---		15299872	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.5 1)																								
VYHS	1.24	275.8	Pn	08:01:15.784	0.3					T__		7.8		---	MLv	15299873	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.24	275.8	Sn	08:01:33.856	-0.4					T__				---		15299874	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
2019/05/09	09:00:17.28	1.38	0.40	46.1141	18.0543	9.5	8.8	4	0.0S	6	4	163	0.04	1.11	m	kx	BUD	15299893	iLoc			216
2019/05/09	09:00:16.68f	0.48	0.48	46.1254	18.0152f				0.0S	6		170	0.07	1.10	a	kx	BUD_GT	15327857	BUD			220
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Bükkösd-II Hungary)																						

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	0.07	122.2	Pg	09:00:18.929	0.1					T__		1562.5		---	MLv	15329560	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.07	122.2	Lg	09:00:20.210	-0.5					T__				---		15329561	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.45	78.1	Pg	09:00:26.338	0.3					T__		11.7		---	MLv	15329562	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.45	78.1	Lg	09:00:32.743	-0.5					T__				---		15329563	FDSN	HU	--	BUD	BUD	BHN	???	_
BEHE	0.93	292.3	Sn	09:00:49.431	-0.9					T__				---		15329564	FDSN	HU	--	BUD	BUD	BHE	???	_
MPLH	1.10	342.8	Lg	09:00:54.901	0.1					T__				---		15329565	FDSN	HU	--	BUD	BUD	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/05/09	09:45:44.18	1.00	0.90	46.8779	17.3107	5.9	5.7	75	0.0S	10	7	92	0.13	0.96	m	kx	BUD	15299909	iLoc			148

2019/05/09 09:45:44.02f 0.94 46.8548 17.2699f 0.0S 10 90 0.13 0.96 a kx BUD_GT 15327861 BUD 149
 (GT info : GT2 explosion)
 (description : known quarry blast)
 (locality : Várvölgy Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	-0.1	0.2	3 BUD	15299909
ML	2.0	0.3	3 ILOC	15327861

Sta	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	09:45:47.176	-0.1					T__		15085.3		---	MLv	15329566	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A261A	0.13	319.5	Lg	09:45:51.286	1.4					T__				---		15329567	FDSN	Z3	00	BUD	BUD	HHZ	???	_
(Station ML : 2.8 1)																								
A263A	0.22	171.8	Lg	09:45:53.635	0.9					T__				---		15329568	FDSN	Z3	00	BUD	BUD	HHN	???	_
MPLH	0.37	30.2	Pg	09:45:51.747	-0.1					T__		529.5		---	MLv	15329569	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MPLH	0.37	30.2	Lg	09:45:55.901	-1.9					T__				---		15329570	FDSN	HU	--	BUD	BUD	BHE	???	_
(Station ML : 2.0 1)																								
A268A	0.73	37.5	Lg	09:46:10.948	0.2					T__				---		15329571	FDSN	Z3	00	BUD	BUD	HHN	???	_
KOGS	0.81	240.3	Sn	09:46:16.113	1.3					T__				---		15329573	FDSN	SL	--	BUD	BUD	BHE	???	_
CSKK	0.85	52.7	Lg	09:46:14.520	-0.6					T__				---		15329572	FDSN	HU	--	BUD	BUD	HHE	???	_
KOVH	0.96	142.9	Pn	09:46:03.995	0.4					T__		62.2		---	MLv	15329574	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.96	142.9	Lg	09:46:16.944	-0.0					T__				---		15329575	FDSN	HU	--	BUD	BUD	BHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/05/10	09:35:48.10	0.98	0.49	48.2171	21.2281	8.6	4.4	3	0.0S		20	14	80	0.08	1.98	m	kx BUD	15299934	iLoc			107
2019/05/10	09:35:48.29f	0.66	0.66	48.2470	21.2460f				0.0S		20		78	0.05	2.00	a	kx BUD_GT	15327865	BUD			105
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Tállya Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.2	5 BUD	15299934
ML	2.0	0.2	5 ILOC	15327865

Sta	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	09:35:49.915	0.1					T__		28222.2		---	MLv	15329576	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
(Station ML : 2.9 0)																								
KECS	0.56	295.3	Pg	09:35:59.927	0.4					T__		165.5		---	MLv	15329577	FDSN	SK	--	BUD	BUD	EHE	EHZ	_
KECS	0.56	295.3	Lg	09:36:08.018	-0.1					T__				---		15329578	FDSN	SK	--	BUD	BUD	EHE	???	_
(Station ML : 2.0 1)																								
HOLU	0.81	69.3	Pn	09:36:05.504	-0.3					T__				---		15329579	FDSN	UA	--	BUD	BUD	MHZ	???	_
HOLU	0.81	69.3	Lg	09:36:18.425	0.9					T__				---		15329580	FDSN	UA	--	BUD	BUD	MHZ	???	_
TRPA	0.87	97.2	Pg	09:36:05.615	0.3					T__		50.2		---	MLv	15329581	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
TRPA	0.87	97.2	Lg	09:36:18.933	-0.8					T__				---		15329582	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 1.7 0)																								
PSZ	0.96	250.6	Pn	09:36:08.347	0.2					T__		67.3		---	MLv	15329583	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.96	250.6	Lg	09:36:21.849	-1.2					T__				---		15329584	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.9 1)																								
KOLS	0.97	44.4	Pn	09:36:08.561	0.4					T__				---		15329585	FDSN	SK	--	BUD	BUD	HHZ	???	_
KOLS	0.97	44.4	Lg	09:36:22.624	0.1					T__				---		15329586	FDSN	SK	--	BUD	BUD	HHE	???	_
BRIU	1.19	85.0	Lg	09:36:29.561	0.0					T__				---		15329587	FDSN	UA	--	BUD	BUD	MHZ	???	_

STZU	1.19	49.4	Pn	09:36:11.715	0.2	T__	---	15329588	FDSN	UA	--	BUD	BUD	MHZ	???	_	
STZU	1.19	49.4	Lg	09:36:29.727	0.3	T__	---	15329589	FDSN	UA	--	BUD	BUD	MHZ	???	_	
LANS	1.49	308.2	Lg	09:36:38.320	0.3	T__	---	15329590	FDSN	SK	--	BUD	BUD	EHN	???	_	
MEZ	1.54	79.1	Pg	09:36:18.337	0.4	T__	---	15329592	FDSN	UA	--	BUD	BUD	BHZ	???	_	
A270A	1.55	255.8	Pg	09:36:19.446	-0.2	T__	66.2	MLv	15329591	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 2.2 1)																	
VYHS	1.63	279.6	Lg	09:36:42.530	-1.4	T__	---	15329593	FDSN	SK	--	BUD	BUD	HHN	???	_	
DRGR	1.76	145.2	Lg	09:36:46.641	-1.2	T__	---	15329594	FDSN	RO	--	BUD	BUD	HHN	???	_	
SIRR	2.00	171.7	Lg	09:36:53.820	-1.3	T__	---	15329595	FDSN	RO	--	BUD	BUD	BHE	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/05/10	09:57:18.27	1.30	0.99	47.3486	18.3399	7.2	5.5	88	0.0S	9	7	108	0.06	1.20	m	sx	BUD	15299977	iLoc		191	
(description : suspected quarry blast)																						
(locality : Gánt Hungary)																						

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	285.3	Pg	09:57:20.061	-0.0					T__		4178.5		---	MLv	15299979	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.06	285.3	Lg	09:57:20.973	-1.0					T__				---		15299980	FDSN	HU	--	BUD	iLoc	HHN	???	_
A269A	0.29	5.7	Lg	09:57:29.808	-0.2					T__				---		15299981	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A268A	0.29	286.5	Lg	09:57:30.150	0.1					T__				---		15299982	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MPLH	0.57	252.2	Lg	09:57:39.496	0.7					T__				---		15299983	FDSN	HU	--	BUD	iLoc	BHN	???	_
MORH	1.15	169.4	Lg	09:57:57.257	-0.6					T__				---		15299984	FDSN	HU	--	BUD	iLoc	BHE	???	_
VYHS	1.19	16.1	Pn	09:57:42.993	1.7					T__		5.5		---	MLv	15299985	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.19	16.1	Sn	09:58:00.096	0.4					T__				---		15299986	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	1.20	61.0	Sn	09:58:00.754	1.0					T__				---		15299987	FDSN	GE	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/05/10	10:03:49.81	0.99	0.66	48.5599	20.7719	7.7	3.9	177	0.0S	14	8	111	0.21	1.29	m	sx	BUD	15299996	iLoc		161	
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.2	5 ILOC	15299996

Sta	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	248.1	Pg	10:03:54.006	-0.1					T__		745.9		---	MLv	15299998	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.21	248.1	Lg	10:03:58.171	0.7					T__				---		15299999	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 1.7 1)																								
ABAH	0.41	130.1	Pg	10:03:58.624	0.4					T__		58.6		---	MLv	15300000	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.41	130.1	Lg	10:04:04.190	-1.1					T__				---		15300001	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.2 1)																								
PSZ	0.87	222.7	Pn	10:04:08.446	0.1					T__		44.7		---	MLv	15300002	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.87	222.7	Lg	10:04:21.049	-0.2					T__				---		15300003	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.6 1)																								
STHS	0.91	19.7	Pn	10:04:08.621	-0.4					T__		81.6		---	MLv	15300004	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
STHS	0.91	19.7	Lg	10:04:20.156	-0.1					T__				---		15300005	FDSN	SK	--	BUD	iLoc	EHN	???	_

(Station ML : 1.9 0)														
KOLS	1.06	68.8	Lg	10:04:26.743	0.3	T__	---	15300006	FDSN SK	-- BUD	iLoc	HHE ???	_	
HOLU	1.07	91.2	Pn	10:04:10.632	-0.4	T__	---	15300007	FDSN UA	-- BUD	iLoc	MHZ ???	_	
HOLU	1.07	91.2	Lg	10:04:26.787	-0.2	T__	---	15300008	FDSN UA	-- BUD	iLoc	MHZ ???	_	
TRPA	1.25	109.4	Sn	10:04:31.235	-1.3	T__	---	15300009	FDSN HU	-- BUD	iLoc	BHE ???	_	
VYHS	1.29	267.8	Pn	10:04:14.557	0.4	T__	6.0	MLv	15300010	FDSN SK	-- BUD	iLoc	HHZ HHZ	_
VYHS	1.29	267.8	Sn	10:04:32.722	-0.8	T__	---	15300011	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
2019/05/10	11:37:06.80	1.11	0.93	47.7706	19.1821	6.7	6.2	150	0.0S	6	5	127	0.13	1.13	m	kx	BUD	15300074	iLoc			231
2019/05/10	11:37:07.31f		1.40	47.8355	19.1270f				0.0S	6		110	0.07	1.12	a	kx	BUD_GT	15327873	BUD			197

(GT info : GT2 explosion)
 (description : known quarry blast)
 (locality : Sejce-Vác Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	0.1	2.0	3 BUD	15300074
ML	1.6	0.7	3 ILOC	15327873

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A270A	0.07	277.6	Pg	11:37:09.258	-0.1					T__		1245.9		---	MLv	15329596	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A270A	0.07	277.6	Lg	11:37:13.939	2.8					T__				---		15329597	FDSN	Z3	00	BUD	BUD	HHN	???	_
(Station ML : 1.6 1)																								
BUD	0.36	191.2	Lg	11:37:19.702	-1.6					T__				---		15329598	FDSN	HU	--	BUD	BUD	BHN	???	_
PSZ	0.52	80.6	Lg	11:37:26.245	-0.9					T__				---		15329599	FDSN	GE	--	BUD	BUD	BHE	???	_
VYHS	0.69	343.6	Pg	11:37:22.229	0.9					T__		6.8		---	MLv	15329600	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
(Station ML : 0.7 1)																								
KECS	1.12	54.0	Pn	11:37:29.154	0.0					T__		90.2		---	MLv	15329601	FDSN	SK	--	BUD	BUD	EHN	EHZ	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/05/10	17:01:35.77	0.92	1.28	48.5659	20.7668	7.1	3.3	179	0.0S	26	9	91	0.20	1.77	m	sx	BUD	15300095	iLoc				115
(description : suspected quarry blast)																							
(locality : Dvorniky-Vcelare Slovakia)																							

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.0	6 ILOC	15300095

Sta	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	0.20	246.2	Pg	17:01:40.000	-0.1					T__		1.8		---		15300097	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	0.20	246.2	Pg	17:01:40.185	0.1					T__		1819.2		---	MLv	15300098	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.20	246.2	Lg	17:01:43.578	0.1					T__				---		15300099	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.20	246.2	Lg	17:01:44.400	1.0					T__		1.8		---		15300100	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.1 0)																								
ABAH	0.41	130.4	Pg	17:01:44.616	0.3					T__		67.9		---	MLv	15300101	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.41	130.4	Pg	17:01:44.900	0.6					T__		0.1		---		15300102	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.41	130.4	Lg	17:01:49.394	-2.1					T__				---		15300103	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.3 1)																								
PSZ	0.87	222.3	Lg	17:02:07.300	0.0					T__		0.1		---		15300104	FDSN	IR	--	ISC	iLoc	???	???	_

PSZ	0.87	222.3	Pg	17:01:53.791	-0.4	T__	59.2	---	MLv	15300105	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.87	222.3	Lg	17:02:07.017	-0.2	T__		---		15300106	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.8 1																		
NIE	0.90	340.9	Pn	17:01:55.522	0.6	T__	18.1	---	MLv	15300107	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.90	340.9	Sn	17:02:09.256	-1.1	T__		---		15300108	FDSN	PL	--	BUD	iLoc	BHN	???	_
NIE	0.91	340.3	Pn	17:01:55.800	0.9	T__	0.0	---		15300109	FDSN	IR	--	ISC	iLoc	???	???	_
NIE	0.91	340.3	Sn	17:02:08.600	-1.8	T__	0.0	---		15300110	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.3 1																		
KOLS	1.06	69.2	Pn	17:01:57.100	0.0	T__	5.3	---		15300111	FDSN	IR	--	ISC	iLoc	???	???	_
KOLS	1.06	69.2	Lg	17:02:11.345	-1.1	T__		---		15300112	FDSN	SK	--	BUD	iLoc	HHE	???	_
KOLS	1.06	69.2	Lg	17:02:11.500	-1.0	T__	5.3	---		15300113	FDSN	IR	--	ISC	iLoc	???	???	_
TRPA	1.26	109.6	Sn	17:02:15.100	-3.5	T__		---		15300114	FDSN	IR	--	ISC	iLoc	???	???	_
TRPA	1.26	109.6	Pg	17:02:01.304	1.3	T__	12.5	---	MLv	15300115	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
TRPA	1.26	109.6	Sn	17:02:15.984	-2.6	T__		---		15300116	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.3 1																		
VYHS	1.29	267.5	Pn	17:02:00.100	-0.0	T__	0.0	---		15300117	FDSN	IR	--	ISC	iLoc	???	???	_
VYHS	1.29	267.5	Sn	17:02:18.100	-1.3	T__	0.0	---		15300118	FDSN	IR	--	ISC	iLoc	???	???	_
VYHS	1.29	267.5	Pg	17:02:01.062	-0.5	T__	4.9	---	MLv	15300119	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.29	267.5	Sn	17:02:19.342	-0.1	T__		---		15300120	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 0.9 0																		
STZU	1.31	69.1	Pn	17:02:01.570	1.0	T__		---		15300121	FDSN	UA	--	BUD	iLoc	MHZ	???	_
OJC	1.77	339.4	Lg	17:02:32.637	-0.3	T__		---		15300122	FDSN	PL	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/05/13	07:57:32.03	1.06	0.50	48.5809	20.7610	7.0	3.9	20	0.0S		12	6	148	0.21	1.28	m	sx	BUD	15300196	iLoc		187
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.1	5 ILOC	15300196

Sta	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	242.0	Pg	07:57:36.327	-0.1					T__		1312.6		---	MLv	15300198	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.21	242.0	Lg	07:57:39.647	-0.2					T__				---		15300199	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 2.0 0																								
ABAH	0.43	131.6	Pg	07:57:40.901	0.1					T__		60.7		---	MLv	15300200	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.43	131.6	Lg	07:57:47.541	-0.6					T__				---		15300201	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.3 1																								
PSZ	0.88	221.5	Pn	07:57:51.800	1.1					T__		0.1		---		15300202	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.88	221.5	Pg	07:57:50.571	-0.0					T__		53.4		---	MLv	15300203	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.88	221.5	Lg	07:58:04.012	0.2					T__				---		15300204	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.7 1																								
LANS	1.03	304.2	Pg	07:57:52.182	-0.1					T__		37.4		---	MLv	15300205	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
LANS	1.03	304.2	Lg	07:58:06.094	-0.0					T__				---		15300206	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.6 1																								
HOLU	1.08	92.3	Pn	07:57:53.668	0.3					T__				---		15300207	FDSN	UA	--	BUD	iLoc	MHZ	???	_
VYHS	1.28	266.8	Pn	07:57:57.075	0.7					T__		7.9		---	MLv	15300208	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.28	266.8	Sn	07:58:15.504	-0.1					T__				---		15300209	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
2019/05/14	06:53:45.26	1.72	0.97	47.3286	18.4401	12.2	5.6	156	0.0S	9	7	114	0.13	1.20	m	sx	BUD	15300232	iLoc			227
(description : suspected quarry blast)																						
(locality : Gánt Hungary)																						

Magnitude	Err	Nsta	Author	OrigID

Sta	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	285.9	Pg	06:53:48.481	0.0					T__		1355.9			MLv	15300234	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.13	285.9	Lg	06:53:50.392	-1.0					T__						15300235	FDSN	HU	--	BUD	iLoc	HHN	???	_
A269A	0.31	352.8	Lg	06:53:58.014	0.3					T__						15300236	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A268A	0.37	286.5	Lg	06:54:00.310	0.9					T__						15300237	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A335A	1.12	356.5	Sn	06:54:23.228	-1.6					T__						15300238	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MORH	1.12	172.7	Sn	06:54:25.014	1.0					T__						15300239	FDSN	HU	--	BUD	iLoc	BHN	???	_
PSZ	1.15	58.5	Lg	06:54:26.538	-0.0					T__						15300240	FDSN	GE	--	BUD	iLoc	BHE	???	_
VYHS	1.20	12.7	Lg	06:54:26.594	-0.3					T__						15300241	FDSN	SK	--	BUD	iLoc	HHN	???	_
VYHS	1.20	12.7	Sn	06:54:26.800	0.0					T__						15300242	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/05/14	09:21:57.74	1.59	0.95	48.6075	20.6748	12.2	4.4	173	0.0S	9	3	166	0.18	1.23	m	sx	BUD	15300247	iLoc			224
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.2	4 ILOC	15300247

Sta	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	0.18	225.4	Pg	09:22:01.942	0.4					T__		538.5			MLv	15300249	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.18	225.4	Lg	09:22:04.608	0.2					T__						15300250	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 1.5 1																								
ABAH	0.49	129.4	Pg	09:22:08.382	0.7					T__		123.4			MLv	15300251	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.49	129.4	Lg	09:22:14.683	-1.3					T__						15300252	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.7 1																								
PSZ	0.86	217.4	x	11:52:24.400	-99.0					---		0.1				15300253	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.86	217.4	x	11:52:30.700	-99.0					---		0.1				15300254	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.86	217.4	Pg	09:22:15.306	-0.7					T__		60.6			MLv	15300255	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.86	217.4	Lg	09:22:28.221	-0.7					T__						15300256	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.8 1																								
KOLS	1.11	72.3	Lg	09:22:34.314	-1.4					T__						15300257	FDSN	SK	--	BUD	iLoc	HHE	???	_
VYHS	1.23	265.4	x	11:52:31.700	-99.0					---		0.0				15300258	FDSN	IR	--	ISC	iLoc	???	???	_
VYHS	1.23	265.4	x	11:52:40.300	-99.0					---		0.0				15300259	FDSN	IR	--	ISC	iLoc	???	???	_
VYHS	1.23	265.4	Pg	09:22:22.417	0.0					T__		12.2			MLv	15300260	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.23	265.4	Sn	09:22:40.081	0.1					T__						15300261	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
2019/05/15	08:01:58.54	1.75	1.61	48.6813	20.8639	14.3	6.9	8	0.0S	12	5	209	0.32	1.36	m	sx	BUD	15300300	iLoc			283
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude Err Nsta Author OrigID
ML 1.7 0.2 5 ILOC 15300300

Sta	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	231.9	Pg	08:02:06.017	0.9					T__		1592.1		---	MLv	15300302	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.32	231.9	Pn	08:02:08.900	-1.6					T__		1.6		---		15300303	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	0.32	231.9	Lg	08:02:10.045	-0.0					T__				---		15300304	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 2.4 0)																								
ABAH	0.46	146.9	Pn	08:02:11.307	-1.1					T__		59.5		---	MLv	15300305	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.46	146.9	Pn	08:02:11.700	-0.7					T__		0.1		---		15300306	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.46	146.9	Lg	08:02:16.615	0.8					T__				---		15300307	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.4 1)																								
PSZ	1.00	220.7	Pn	08:02:15.900	-3.0					T__		0.1		---		15300308	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	1.00	220.7	Pg	08:02:20.535	1.0					T__		53.7		---	MLv	15300309	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	1.00	220.7	Lg	08:02:33.600	-0.8					T__				---		15300310	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.8 1)																								
LANS	1.03	297.5	Pn	08:02:22.021	2.5					T__		38.1		---	MLv	15300311	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
(Station ML : 1.7 1)																								
VYHS	1.36	262.8	Pg	08:02:26.596	0.8					T__		8.7		---	MLv	15300312	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.36	262.8	Sn	08:02:44.223	0.1					T__				---		15300313	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	
2019/05/15	08:09:29.34	0.90	1.14	48.3332	19.0166	5.9	4.0	20	0.0S		19	9	114	0.20	1.74	m	sx BUD	15300338	iLoc			158	
(description : suspected quarry blast)																							
(locality : Krupina Slovakia)																							

Magnitude Err Nsta Author OrigID
ML 1.8 0.4 4 ILOC 15300338

Sta	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	0.20	323.3	Pg	08:09:34.202	0.5					T__		106.8		_c_	MLv	15300340	FDSN	SK	--	BUD	iLoc	HH	HHZ	_
VYHS	0.20	323.3	Lg	08:09:37.352	0.4					T__				---		15300341	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 0.9 1)																								
A335A	0.47	284.3	Pg	08:09:39.258	0.2					T__		161.5		---	MLv	15300342	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A335A	0.47	284.3	Lg	08:09:45.533	-0.9					T__				---		15300343	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 1.8 1)																								
PSZ	0.72	124.9	Pn	08:09:45.529	-0.4					T__		63.1		---	MLv	15300344	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.72	124.9	Lg	08:09:55.043	-0.7					T__				---		15300345	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.7 1)																								
KECS	0.99	80.7	Pn	08:09:49.000	-0.5					T__		0.1		---		15300346	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	0.99	80.7	Pn	08:09:49.952	0.5					T__		145.7		---	MLv	15300347	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.99	80.7	Lg	08:10:03.526	-0.5					T__				---		15300348	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.99	80.7	Sn	08:10:04.100	-1.4					T__		0.1		---		15300349	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.2 1)																								
JAVC	1.04	301.0	Pn	08:09:49.843	-0.8					T__				---		15300350	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	1.04	301.0	Lg	08:10:05.580	-0.7					T__				---		15300351	FDSN	CZ	--	BUD	iLoc	BHE	???	_
JAVC	1.04	301.0	Lg	08:10:04.000	-2.2					T__				---		15300352	FDSN	IR	--	ISC	iLoc	???	???	_
CSKK	1.10	208.0	Sn	08:10:07.573	-0.6					T__				---		15300353	FDSN	HU	--	BUD	iLoc	HHN	???	_
MODS	1.16	272.6	Pg	08:09:54.300	1.6					T__				---		15300354	FDSN	IR	--	ISC	iLoc	???	???	_
MODS	1.16	272.6	Pg	08:09:53.830	1.1					T__				---		15300355	FDSN	SK	--	BUD	iLoc	HHZ	???	_

MODS	1.16	272.6	Sn	08:10:08.608	-1.6	T__	---	15300356	FDSN	SK	--	BUD	iLoc	HHN	???	_
A268A	1.16	219.6	Lg	08:10:09.801	-0.5	T__	---	15300357	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MORC	1.74	326.7	Sn	08:10:23.237	-1.8	T__	---	15300358	FDSN	CZ	--	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
2019/05/15	08:47:59.83	1.35	0.83	46.8774	17.0611	13.0	6.6	142	0.0S	7	6	173	0.44	1.07	m	kx	BUD	15300407	iLoc			269
2019/05/15	08:48:02.34f		2.58	46.8548	17.2699f				0.0S	7		149	0.37	0.96	a	kx	BUD_GT	15327889	BUD			247

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

Magnitude Err Nsta Author OrigID

Sta	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	0.37	30.2	Pg	08:48:09.555	-0.6					T__		566.0			MLv	15329602	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MPLH	0.37	30.2	Lg	08:48:15.510	-0.6					T__						15329603	FDSN	HU	--	BUD	BUD	BHN	???	_
TIH	0.43	83.7	Lg	08:48:19.873	1.7					T__						15329604	FDSN	HU	--	BUD	BUD	HHE	???	_
A268A	0.73	37.5	Lg	08:48:29.717	0.7					T__						15329606	FDSN	Z3	00	BUD	BUD	HHE	???	_
KOGS	0.81	240.3	Lg	08:48:22.573	-6.5					T__						15329605	FDSN	SL	--	BUD	BUD	BHE	???	_
CSKK	0.85	52.7	Lg	08:48:33.929	0.5					T__						15329607	FDSN	HU	--	BUD	BUD	HHE	???	_
KOVH	0.96	142.9	Sn	08:48:36.214	-0.5					T__						15329608	FDSN	HU	--	BUD	BUD	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/05/15	09:00:57.31	1.47	1.09	47.8470	20.0865	9.6	8.4	153	0.0S	10	6	152	0.15	2.22	m	kx	BUD	15300420	iLoc			189
2019/05/15	09:00:58.05f		1.14	47.8987	20.0893f				0.0S	10		148	0.13	2.27	a	kx	BUD_GT	15327893	BUD			186

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

Magnitude Err Nsta Author OrigID

ML	2.0	0.1	6	BUD	15300420
ML	2.0	0.1	6	ILOC	15327893

Sta	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	09:01:01.690	0.2					T__		2012.7			MLv	15329609	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_		
PSZ	0.13	278.6	Lg	09:01:04.352	-0.1					T__						15329610	FDSN	GE	--	BUD	BUD	BHN	???	_		
(Station ML : 2.0 1)																										
KECS	0.64	24.2	Pn	09:01:12.632	-0.5					T__		184.7			MLv	15329611	FDSN	SK	--	BUD	BUD	EHN	EHZ	_		
KECS	0.64	24.2	Lg	09:01:21.015	0.2					T__						15329612	FDSN	SK	--	BUD	BUD	EHE	???	_		
(Station ML : 2.1 1)																										
ABAH	0.87	62.3	Pn	09:01:17.440	1.2					T__		105.2			MLv	15329613	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_		
ABAH	0.87	62.3	Sn	09:01:30.555	-0.3					T__						15329614	FDSN	HU	--	BUD	BUD	HHN	???	_		
(Station ML : 2.0 1)																										
VYHS	1.03	305.9	Pn	09:01:18.771	-0.0					T__		11.2			MLv	15329615	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_		
VYHS	1.03	305.9	Lg	09:01:32.380	-1.5					T__						15329616	FDSN	SK	--	BUD	BUD	HHN	???	_		
(Station ML : 1.1 0)																										
MORH	1.95	210.9	Pg	09:01:34.399	-2.8					T__		11.4			MLv	15329617	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_		
(Station ML : 1.6 1)																										

KOVH 2.27 217.7 Pg 09:01:42.028 -1.2 T__ 48.8 ___ MLv 15329618 FDSN HU -- BUD BUD BHZ BHZ _

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/05/15 12:45:32.45 1.71 0.43 47.1089 19.4147 41.0 8.4 115 0.0S 7 4 189 0.78 1.07 m kx BUD 15300457 iLoc 266
 (description : known quarry blast)
 (locality : Dabas Hungary)

Magnitude Err Nsta Author OrigID
 ML 1.8 0.1 4 ILOC 15300457

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
A270A	0.78	340.1	Pn	12:45:49.990	0.4					T__		82.7		___	MLv	15300459	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
(Station ML : 1.9 1)																										
PSZ	0.87	21.7	Pn	12:45:50.856	-0.1					T__		74.5		___	MLv	15300460	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	0.87	21.7	Lg	12:46:04.428	-0.0					T__				___		15300461	FDSN	GE	--	BUD	iLoc	BHE	???	_		
(Station ML : 1.9 1)																										
MORH	1.04	211.0	Pg	12:45:53.695	-0.0					T__		7.7		___	MLv	15300462	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_		
MORH	1.04	211.0	Sn	12:46:09.206	0.2					T__				___		15300463	FDSN	HU	--	BUD	iLoc	BHE	???	_		
(Station ML : 1.0 1)																										
A268A	1.07	288.2	Pn	12:45:53.492	-0.0					T__		46.1		___	MLv	15300464	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
A268A	1.07	288.2	Sn	12:46:09.389	-0.7					T__				___		15300465	FDSN	Z3	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
 2019/05/16 09:27:42.65 1.43 0.77 48.6246 20.7563 11.4 4.3 5 0.0S 15 8 130 0.23 1.62 m sx BUD 15300483 iLoc 167
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.6 0.1 6 ILOC 15300483

Sta	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	231.9	Pg	09:27:47.730	0.3					T__		1472.9		___	MLv	15300485	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_		
KECS	0.23	231.9	Lg	09:27:50.257	-0.9					T__				___		15300486	FDSN	SK	--	BUD	iLoc	EHN	???	_		
KECS	0.23	231.9	Lg	09:27:51.700	0.6					T__		1.5		___		15300487	FDSN	IR	--	ISC	iLoc	???	???	_		
(Station ML : 2.1 0)																										
ABAH	0.46	135.4	Pg	09:27:52.538	0.5					T__		76.4		___	MLv	15300488	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
ABAH	0.46	135.4	Lg	09:27:58.536	-1.4					T__				___		15300489	FDSN	HU	--	BUD	iLoc	HHE	???	_		
(Station ML : 1.5 1)																										
PSZ	0.91	219.5	Pn	09:28:01.917	0.1					T__		41.1		___	MLv	15300490	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	0.91	219.5	Lg	09:28:15.276	-0.2					T__				___		15300491	FDSN	GE	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.6 1)																										
LANS	1.00	302.2	Pn	09:28:03.315	0.1					T__		39.7		___	MLv	15300492	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_		
LANS	1.00	302.2	Sn	09:28:17.782	-1.7					T__				___		15300493	FDSN	SK	--	BUD	iLoc	EHN	???	_		
(Station ML : 1.7 1)																										
KOLS	1.05	72.3	Sn	09:28:20.436	-0.5					T__				___		15300494	FDSN	SK	--	BUD	iLoc	HHN	???	_		
HOLU	1.09	94.6	Pn	09:28:04.258	0.2					T__				___		15300495	FDSN	UA	--	BUD	iLoc	MHZ	???	_		
VYHS	1.28	264.9	Pg	09:28:08.406	-0.0					T__		6.1		___	MLv	15300496	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_		
VYHS	1.28	264.9	Sn	09:28:26.072	-0.2					T__				___		15300497	FDSN	SK	--	BUD	iLoc	HHN	???	_		

```
(Station ML : 1.0 0
A335A 1.62 264.6 Pg 09:28:15.203 0.2 T__ 33.9 --- MLv 15300498 FDSN Z3 00 BUD iLoc HHZ HHZ _
A335A 1.62 264.6 Lg 09:28:37.090 -0.6 T__ --- 15300499 FDSN Z3 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
2019/05/16 09:46:04.30 1.16 0.52 47.2456 18.3417 9.7 4.7 75 0.0S 10 7 111 0.13 1.29 m sx BUD 15300526 iLoc 153
(description : suspected quarry blast)
(locality : Iszkaszentgyörgy Hungary)
```

```
Magnitude Err Nsta Author OrigID
ML 1.1 0.1 3 ILOC 15300526
```

```
Sta 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 0.13 334.9 Pg 09:46:07.900 0.4 T__ 2.5 --- 15300528 FDSN IR -- ISC iLoc ??? ??? _
CSKK 0.13 334.9 Pg 09:46:07.797 0.3 T__ 246.4 --- MLv 15300529 FDSN HU -- BUD iLoc HHZ HHZ _
CSKK 0.13 334.9 Lg 09:46:09.881 -0.7 T__ --- 15300530 FDSN HU -- BUD iLoc HHE ??? _
(Station ML : 1.1 1
A268A 0.34 303.3 Lg 09:46:17.283 -0.3 T__ --- 15300531 FDSN Z3 00 BUD iLoc HHE ??? _
MPLH 0.55 262.4 Pg 09:46:15.940 0.3 T__ 42.8 --- MLv 15300532 FDSN HU -- BUD iLoc BHZ BHZ _
(Station ML : 1.4 1
MORH 1.05 168.5 Pg 09:46:25.530 0.2 T__ 8.5 --- MLv 15300533 FDSN HU -- BUD iLoc BHZ BHZ _
MORH 1.05 168.5 Lg 09:46:39.933 -0.6 T__ --- 15300534 FDSN HU -- BUD iLoc BHE ??? _
(Station ML : 1.0 1
KOVH 1.17 188.3 Sn 09:46:43.776 -0.5 T__ --- 15300535 FDSN HU -- BUD iLoc BHE ??? _
PSZ 1.25 56.8 Sn 09:46:47.204 0.2 T__ --- 15300536 FDSN GE -- BUD iLoc BHE ??? _
VYHS 1.29 14.7 Sn 09:46:48.727 0.6 T__ --- 15300537 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
2019/05/16 10:07:59.82 1.06 1.40 48.2484 21.2297 8.5 4.9 1 0.0S 15 10 153 0.05 1.94 m kx BUD 15300587 iLoc 179
2019/05/16 10:07:59.80f 1.21 48.2470 21.2460f 0.0S 15 153 0.05 1.95 a kx BUD_GT 15327903 BUD 179
(GT info : GT2 explosion)
(description : known quarry blast)
(locality : Tallya Hungary)
```

```
Magnitude Err Nsta Author OrigID
ML 2.2 0.0 5 BUD 15300587
ML 2.2 0.0 5 ILOC 15327903
```

```
Sta 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 10:08:01.389 0.0 T__ 8573.1 --- MLv 15329619 FDSN HU -- BUD BUD HHZ HHZ _
(Station ML : 2.4 0
KECS 0.56 295.3 Pg 10:08:11.199 0.1 T__ 232.5 --- MLv 15329620 FDSN SK -- BUD BUD EHE EHZ _
KECS 0.56 295.3 Lg 10:08:18.534 -1.1 T__ --- 15329621 FDSN SK -- BUD BUD EHN ??? _
(Station ML : 2.2 1
HOLU 0.81 69.3 Pn 10:08:16.751 -0.5 T__ --- 15329622 FDSN UA -- BUD BUD MHZ ??? _
HOLU 0.81 69.3 Lg 10:08:29.609 0.6 T__ --- 15329623 FDSN UA -- BUD BUD MHZ ??? _
TRPA 0.87 97.2 Pg 10:08:17.075 0.3 T__ 42.3 --- MLv 15329624 FDSN HU -- BUD BUD BHZ BHZ _
TRPA 0.87 97.2 Lg 10:08:30.575 -0.7 T__ --- 15329625 FDSN HU -- BUD BUD BHZ ??? _
```

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(Station ML : 1.6 0
PSZ 0.96 250.6 Pn 10:08:19.724 0.1 T__ 96.4 --- MLv 15329626 FDSN GE -- BUD BUD BHZ BHZ _
PSZ 0.96 250.6 Lg 10:08:33.378 -1.2 T__ --- 15329627 FDSN GE -- BUD BUD BHN ??? _
(Station ML : 2.0 1
KOLS 0.97 44.4 Pn 10:08:19.637 -0.1 T__ --- 15329628 FDSN SK -- BUD BUD HHZ ??? _
KOLS 0.97 44.4 Lg 10:08:34.098 0.0 T__ --- 15329629 FDSN SK -- BUD BUD HHE ??? _
STHS 1.17 359.9 Pn 10:08:23.557 1.0 T__ 113.0 --- MLv 15329630 FDSN SK -- BUD BUD EHZ EHZ _
(Station ML : 2.2 1
BRIU 1.19 85.0 Pn 10:08:25.159 2.4 T__ --- 15329631 FDSN UA -- BUD BUD MHZ ??? _
STZU 1.19 49.4 Pn 10:08:23.346 0.4 T__ --- 15329632 FDSN UA -- BUD BUD MHZ ??? _
A335A 1.95 277.0 Lg 10:09:03.150 -3.4 T__ --- 15329633 FDSN Z3 00 BUD BUD HHE ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2019/05/16 10:24:11.91 0.94 0.53 47.2477 18.2835 6.2 3.4 82 0.0S 13 7 97 0.12 1.28 m kx BUD 15300625 iLoc 163
2019/05/16 10:24:11.86f 0.56 47.2302 18.2835f 0.0S 13 97 0.13 1.29 a kx BUD_GT 15327907 BUD 161

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

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Magnitude Err Nsta Author OrigID
ML 1.1 0.2 4 BUD 15300625
ML 1.2 0.2 4 ILOC 15327907

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Sta 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 0.13 353.4 Pg 10:24:14.995 -0.2 T__ 233.5 --- MLv 15329635 FDSN HU -- BUD BUD HHZ HHZ _
CSKK 0.13 353.4 Lg 10:24:17.451 -0.9 T__ --- 15329636 FDSN HU -- BUD BUD HHN ??? _
CSKK 0.13 353.3 Lg 10:24:17.800 -0.5 T__ 2.4 --- 15329634 FDSN IR -- ISC BUD ??? ??? _
(Station ML : 1.0 1
A267A 0.31 154.4 Lg 10:24:25.626 1.4 T__ --- 15329638 FDSN Z3 00 BUD BUD HHN ??? _
A268A 0.32 309.6 Lg 10:24:23.842 -0.6 T__ --- 15329637 FDSN Z3 00 BUD BUD HHE ??? _
MPLH 0.51 263.5 Pg 10:24:22.817 0.4 T__ 37.8 --- MLv 15329639 FDSN HU -- BUD BUD BHZ BHZ _
MPLH 0.51 263.5 Lg 10:24:30.338 0.0 T__ --- 15329640 FDSN HU -- BUD BUD BHN ??? _
(Station ML : 1.3 1
MORH 1.04 166.1 Pg 10:24:32.691 -0.1 T__ 7.7 --- MLv 15329641 FDSN HU -- BUD BUD BHZ BHZ _
MORH 1.04 166.1 Lg 10:24:47.526 -0.3 T__ --- 15329642 FDSN HU -- BUD BUD BHN ??? _
MORH 1.05 166.2 Lg 10:24:48.000 0.1 T__ 0.0 --- 15329643 FDSN IR -- ISC BUD ??? ??? _
(Station ML : 1.0 1
KOVH 1.15 186.4 Pg 10:24:34.854 0.1 T__ 24.2 --- MLv 15329644 FDSN HU -- BUD BUD BHZ BHZ _
KOVH 1.15 186.4 Lg 10:24:52.263 0.5 T__ --- 15329645 FDSN HU -- BUD BUD BHE ??? _
(Station ML : 1.5 1
PSZ 1.29 57.1 Sn 10:24:56.167 0.6 T__ --- 15329646 FDSN GE -- BUD BUD BHE ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2019/05/16 10:39:36.98 0.15 1.02 47.4283 18.1840 2.3 1.8 121 6.2 1.3 52 29 57 0.08 2.39 m ke BUD 15241320 scolv@krszo 360
2019/05/16 10:39:36.65 0.73 1.01 47.4125 18.2131 2.6 2.2 132 2.7F 6.5 68 31 64 0.06 2.41 m ke BUD_GT 15300659 iLoc 81

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(GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)

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Magnitude Err Nsta Author OrigID

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M 2.3 16 BUD 15241320
 MLv 2.3 0.3 16 BUD 15241320
 ML 2.3 0.3 20 ILOC 15300659

Sta	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	146.7	Pg	10:39:38.708	0.5					T__		22915.1		---	MLv	15300661	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.06	146.7	Lg	10:39:40.241	0.4					T__				---		15300662	FDSN	HU	--	BUD	iLoc	HHN	???	_
CSKK	0.06	146.9	Pg	10:39:38.100	-0.2					T__		231.1		---		15300663	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.8 0																								
A268A	0.20	275.6	Pg	10:39:40.436	-0.4					T__		999.9		---	MLv	15300664	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A268A	0.20	275.6	Lg	10:39:43.347	-1.0					T__				---		15300665	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
(Station ML : 1.8 0																								
A269A	0.25	26.8	Pg	10:39:41.795	-0.1					T__		2730.3		---	MLv	15300666	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A269A	0.25	26.8	Lg	10:39:46.262	-0.1					T__				---		15300667	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
(Station ML : 2.4 1																								
SR0	0.41	9.6	Pg	10:39:45.234	0.3					T__		3812.4		---	MLv	15300668	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
SR0	0.41	9.6	Lg	10:39:52.937	1.3					T__				---		15300669	FDSN	SK	--	BUD	iLoc	EHN	???	_
SR0	0.41	9.6	Pg	10:39:45.900	1.0					T__		3.8		---		15300670	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 3.0 0																								
A267A	0.50	158.4	Pg	10:39:47.122	0.5					T__		282.2		---	MLv	15300671	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A267A	0.50	158.4	Lg	10:39:54.881	0.2					T__				---		15300672	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 2.1 1																								
MPLH	0.52	242.4	Pg	10:39:46.830	-0.2					T__		222.6		---	MLv	15300673	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.52	242.4	Lg	10:39:54.989	0.4					T__				---		15300674	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 2.1 1																								
BUD	0.55	82.3	Lg	10:39:56.216	-0.6					T__				---		15300675	FDSN	HU	--	BUD	iLoc	BHN	???	_
BUD	0.55	82.3	Lg	10:39:56.400	-0.4					T__				---		15300676	FDSN	IR	--	ISC	iLoc	???	???	_
BUD	0.55	82.3	Pn	10:40:02.700	11.2					---				---		15300677	FDSN	IR	--	ISC	iLoc	???	???	_
TIH	0.56	203.5	Pg	10:39:47.679	-0.1					T__		1732.5		---	MLv	15300678	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TIH	0.56	203.5	Lg	10:39:55.045	-1.0					T__				---		15300679	FDSN	HU	--	BUD	iLoc	HHZ	???	_
(Station ML : 3.0 0																								
EGYH	0.60	270.8	Lg	10:39:58.900	1.5					T__		0.5		---		15300680	FDSN	IR	--	ISC	iLoc	???	???	_
EGYH	0.60	270.8	Pn	10:39:59.000	6.9					---				---		15300681	FDSN	IR	--	ISC	iLoc	???	???	_
EGYH	0.60	270.7	Pg	10:39:47.947	-0.7					T__		509.1		---	MLv	15300682	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
EGYH	0.60	270.7	Lg	10:39:57.931	0.7					T__				---		15300683	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 2.5 1																								
A270A	0.70	51.2	Pg	10:39:50.749	-0.1					T__		334.9		---	MLv	15300684	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A270A	0.70	51.2	Lg	10:40:01.494	-0.2					T__				---		15300685	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 2.4 1																								
A261A	0.86	238.0	Pg	10:39:53.189	-0.5					T__		194.6		---	MLv	15300686	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A261A	0.86	238.0	Sn	10:40:07.325	-0.5					T__				---		15300687	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 2.3 1																								
A266A	0.89	177.7	Pg	10:39:55.046	0.8					T__		467.3		---	MLv	15300688	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.7 1																								
A263A	0.99	218.8	Pg	10:39:57.330	1.1					T__		296.3		---	MLv	15300689	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A263A	0.99	218.8	Sn	10:40:11.194	0.2					T__				---		15300690	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 2.5 1																								
A265A	1.03	196.3	Pg	10:39:57.913	0.9					T__		417.6		---	MLv	15300691	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A265A	1.03	196.3	Lg	10:40:12.850	1.1					T__				---		15300692	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 2.7 0																								
A335A	1.04	4.5	Sn	10:40:11.290	-1.8					T__				---		15300693	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MODS	1.15	327.1	Pn	10:39:57.888	-0.8					T__				---		15300694	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	1.15	327.1	Sn	10:40:12.899	-2.9					T__				---		15300695	FDSN	SK	--	BUD	iLoc	HHE	???	_

SOP	1.15	284.2	Lg	10:40:14.062	-0.4	T__						15300696	FDSN	HU	--	BUD	iLoc	BHN	???	_
VYHS	1.16	20.9	Pn	10:39:59.021	0.3	T__	38.4	---	MLv			15300697	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.16	20.9	Sn	10:40:14.815	-1.3	T__		---				15300698	FDSN	SK	--	BUD	iLoc	HHN	???	_
VYHS	1.16	20.9	Pn	10:39:59.300	0.6	T__	0.0	---				15300699	FDSN	IR	--	ISC	iLoc	???	???	_
VYHS	1.16	20.9	Pg	10:40:00.300	0.4	T__	0.0	---				15300700	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.7 0)																				
BELGA	1.22	206.9	Lg	10:40:17.789	0.1	T__		---				15300701	FDSN	HU	--	BUD	iLoc	HHE	???	_
MORH	1.23	165.9	Pn	10:39:59.244	-0.1	T__	30.0	---	MLv			15300702	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.23	165.9	Sn	10:40:15.005	-2.1	T__		---				15300703	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORH	1.23	166.0	Pn	10:40:00.400	1.1	T__	0.0	---				15300704	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.7 0)																				
PSZ	1.24	65.4	Pn	10:40:00.359	0.5	T__	64.0	---	MLv			15300705	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	1.24	65.4	Sn	10:40:19.113	0.9	T__		---				15300706	FDSN	GE	--	BUD	iLoc	BHN	???	_
PSZ	1.24	65.4	Pg	10:40:01.300	-1.2	T__	0.1	---				15300707	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	1.24	65.4	Lg	10:40:19.700	-1.1	T__	0.1	---				15300708	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.0 1)																				
DARVA	1.28	213.5	Pg	10:40:01.277	-0.3	T__	158.0	---	MLv			15300709	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
DARVA	1.28	213.5	Lg	10:40:19.871	0.6	T__		---				15300710	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 2.4 1)																				
KOVH	1.33	183.4	Pn	10:40:00.650	-0.1	T__	45.8	---	MLv			15300711	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	1.33	183.4	Pn	10:40:01.900	1.2	T__		---				15300712	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	1.33	183.4	Pg	10:40:02.600	0.0	T__	0.0	---				15300713	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	1.33	183.4	Sn	10:40:18.700	-0.7	T__	0.0	---				15300714	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	1.33	183.4	Sn	10:40:19.398	0.0	T__		---				15300715	FDSN	HU	--	BUD	iLoc	BHN	???	_
KOVH	1.33	183.4	Sn	10:40:20.100	0.7	T__		---				15300716	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.9 0)																				
JAVC	1.49	346.1	Pn	10:40:03.226	-0.4	T__		---				15300717	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
A011B	1.53	270.7	Sn	10:40:23.790	-0.4	T__		---				15300718	FDSN	Z3	00	BUD	iLoc	HH3	???	_
CONA	1.67	288.9	Pn	10:40:05.316	-0.8	T__	35.1	---	MLv			15300719	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
CONA	1.67	288.9	Pg	10:40:10.129	0.9	T__	36.1	---	MLv			15300720	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
CONA	1.67	288.9	Lg	10:40:31.078	0.3	T__		---				15300721	FDSN	OE	--	BUD	iLoc	BHZ	???	_
(Station ML : 2.0 1)																				
A012A	1.79	277.1	Sn	10:40:30.144	-0.9	T__		---				15300722	FDSN	Z3	00	BUD	iLoc	HH2	???	_
ARSA	1.84	265.9	Pn	10:40:09.142	0.9	T__	32.2	---	MLv			15300723	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
ARSA	1.84	265.9	Pg	10:40:11.478	-0.2	T__	31.9	---	MLv			15300724	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
ARSA	1.84	265.9	Sn	10:40:30.665	-0.8	T__		---				15300725	FDSN	OE	--	BUD	iLoc	BHN	???	_
(Station ML : 2.0 1)																				
KRUC	2.05	324.3	Pn	10:40:10.100	-1.0	T__		---				15300726	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	2.05	324.3	Sn	10:40:34.000	-3.8	T__		---				15300727	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	2.18	330.9	Pn	10:40:12.100	-0.9	T__		---				15300728	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	2.41	349.6	Pn	10:40:16.777	0.5	T__		---				15300729	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MORC	2.41	349.6	Sn	10:40:45.404	-2.1	T__		---				15300730	FDSN	CZ	--	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
 2019/05/16 10:53:19.00 1.04 0.83 47.3686 18.3934 6.5 4.1 140 0.0S 18 13 110 0.09 1.57 m sx BUD 15300864 iLoc 130
 (description : suspected quarry blast)
 (locality : Gánt Hungary)

Magnitude Err Nsta Author OrigID
 ML 1.5 0.5 4 ILOC 15300864

Sta	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	266.7	Pg	10:53:21.317	-0.1					T__		1717.6		---	MLv	15300866	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.09	266.7	Lg	10:53:23.314	-0.6					T__				---		15300867	FDSN	HU	--	BUD	iLoc	HHZ	???	_
(Station ML : 1.8 1																								
A269A	0.27	358.4	Lg	10:53:30.831	0.8					T__				---		15300868	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A268A	0.33	281.3	Lg	10:53:31.468	-0.3					T__				---		15300869	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MPLH	0.61	251.5	Lg	10:53:42.767	1.9					T__				---		15300870	FDSN	HU	--	BUD	iLoc	BHN	???	_
A270A	0.64	41.3	Lg	10:53:42.616	-0.1					T__				---		15300871	FDSN	Z3	00	BUD	iLoc	HHN	???	_
EGYH	0.72	274.2	Sn	10:53:47.318	-0.8					T__				---		15300872	FDSN	HU	--	BUD	iLoc	HHE	???	_
A266A	0.85	186.0	Sn	10:53:50.780	-0.4					T__				---		15300873	FDSN	Z3	00	BUD	iLoc	HHN	???	_
PSZ	1.15	61.0	Pn	10:53:41.799	0.3					T__		46.6		---	MLv	15300874	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	1.15	61.0	Sn	10:53:58.488	-1.0					T__				---		15300875	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.8 1																								
VYHS	1.16	14.6	Pg	10:53:43.097	0.5					T__		5.0		---	MLv	15300876	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.16	14.6	Sn	10:53:59.826	0.1					T__				---		15300877	FDSN	SK	--	BUD	iLoc	HHN	???	_
VYHS	1.16	14.6	Sn	10:54:00.100	0.4					T__		0.0		---		15300878	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 0.9 1																								
MORH	1.17	171.4	Pg	10:53:41.799	-0.4					T__		10.5		---	MLv	15300879	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.17	171.4	Sn	10:53:57.887	-1.0					T__				---		15300880	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.2 1																								
MODS	1.26	323.6	Lg	10:54:03.562	0.2					T__				---		15300881	FDSN	SK	--	BUD	iLoc	HHN	???	_
KOVH	1.30	189.1	Sn	10:54:02.155	0.0					T__				---		15300882	FDSN	HU	--	BUD	iLoc	BHE	???	_
JAVC	1.57	342.3	Lg	10:54:13.153	-1.4					T__				---		15300883	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
2019/05/17	07:00:31.30	0.80		47.2010	19.3610	0.1	0.1		0.0F	4.9	12			1.83	3.94	a	ke BEO	15273880	ISC			360
2019/05/17	07:00:26.20		1.27	47.5300	18.9900				8.0A			2		1.82	2.14	a	ke CSEM	15273877	ISC			360
2019/05/17	07:00:25.73	1.20	0.59	47.5300	18.9021	13.8	4.4	328	10.0A		8	149		0.77		a	se NEIC	15273874	ISC			360
2019/05/17	07:00:25.89	0.59	1.70	47.5509	19.0057	3.6	2.3	145	8.8F	3.8	110	48	23	0.07	4.37	m	ke BUD	15300925	iLoc			43

Magnitude	Err	Nsta	Author	OrigID
ML	1.9		BEO	15273880
mb	2.7		CSEM	15273877
ML	2.3		NEIC	15273874
ML	2.6	0.3	22 ILOC	15300925

Sta	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	0.07	169.6	Pg	07:00:28.600	0.3					T__		5.7		---		15300927	FDSN	IR	--	ISC	iLoc	???	???	_
BUD	0.07	169.6	Pg	07:00:29.163	0.9					T__		5684.9		---	MLv	15300928	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BUD	0.07	169.6	Lg	07:00:30.627	0.4					T__				---		15300929	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 2.2 0																								
A270A	0.29	1.7	Pg	07:00:33.190	1.0					T__		2339.5		---	MLv	15300930	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A270A	0.29	1.7	Lg	07:00:37.832	0.6					T__				---		15300931	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
(Station ML : 2.5 1																								
A269A	0.43	282.0	Pg	07:00:34.611	-0.1					T__		3496.9		---	MLv	15300932	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A269A	0.43	282.0	Lg	07:00:40.321	-1.6					T__				---		15300933	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 3.0 1																								
SR0	0.54	299.6	Pn	07:00:39.300	-0.4					T__		3.6		---		15300934	FDSN	IR	--	ISC	iLoc	???	???	_
SR0	0.54	299.6	Pg	07:00:36.895	0.2					T__		3559.1		---	MLv	15300935	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 3.3 0																								
CSKK	0.54	249.9	Pg	07:00:36.377	-0.4					T__		3558.0		---	MLv	15300936	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_

CSKK	0.54	249.9	Lg	07:00:43.705	-2.0	T__	---	---	15300937	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
(Station ML	: 3.4			0														
A267A	0.70	210.7	Pn	07:00:40.094	-0.4	T__	561.8	---	MLv	15300938	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A267A	0.70	210.7	Lg	07:00:50.417	-0.4	T__	---	---	---	15300939	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML	: 2.6			1														
PSZ	0.70	58.2	Pn	07:00:40.798	-0.0	T__	436.6	---	MLv	15300940	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.70	58.2	Lg	07:00:51.234	-0.2	T__	---	---	---	15300941	FDSN	GE	--	BUD	iLoc	BHN	???	_
PSZ	0.70	58.2	Pn	07:00:38.331	-2.5	T__	---	---	---	15300942	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.70	58.2	Pg	07:00:40.600	-0.2	T__	0.4	---	---	15300943	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.70	58.2	Pb	07:00:41.300	0.5	T__	0.4	---	---	15300944	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.70	58.2	Lg	07:00:47.648	-3.8	T__	---	---	---	15300945	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.70	58.2	Sg	07:00:50.740	-0.7	T__	---	---	---	15300946	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.70	58.2	IAML	07:00:55.690	-99.0	---	226.4	0.50	---	15300947	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.70	58.2	IAML	07:00:56.190	-99.0	---	152.0	0.70	---	15300948	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML	: 2.5			1														
A268A	0.74	261.1	Pg	07:00:40.549	-0.1	T__	712.2	---	MLv	15300949	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A268A	0.74	261.1	Lg	07:00:50.401	-1.8	T__	---	---	---	15300950	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML	: 2.8			1														
VYHS	0.95	353.2	Pg	07:00:46.300	1.3	T__	0.1	---	---	15300951	FDSN	IR	--	ISC	iLoc	???	???	_
VYHS	0.95	353.2	Pg	07:00:45.484	0.4	T__	118.2	---	MLv	15300952	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.95	353.2	Sn	07:00:57.175	-1.7	T__	---	---	---	15300953	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML	: 2.1			0														
TIH	1.00	229.8	Pn	07:00:44.700	0.0	T__	3.5	---	---	15300954	FDSN	IR	--	ISC	iLoc	???	???	_
TIH	1.00	229.8	Pg	07:00:48.500	3.0	T__	3.5	---	---	15300955	FDSN	IR	--	ISC	iLoc	???	???	_
TIH	1.00	229.8	Lg	07:01:00.100	-0.0	T__	3.5	---	---	15300956	FDSN	IR	--	ISC	iLoc	???	???	_
TIH	1.00	229.9	Pn	07:00:44.954	0.2	T__	3472.1	---	MLv	15300957	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TIH	1.00	229.9	Lg	07:00:59.685	-0.5	T__	---	---	---	15300958	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML	: 3.6			0														
A335A	1.00	333.6	Pn	07:00:45.819	0.8	T__	671.0	---	MLv	15300959	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A335A	1.00	333.6	Sn	07:00:58.530	-1.7	T__	---	---	---	15300960	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML	: 2.9			1														
MPLH	1.07	249.6	Pg	07:00:46.744	-0.1	T__	275.2	---	MLv	15300961	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	1.07	249.6	Sn	07:01:01.011	-0.1	T__	---	---	---	15300962	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML	: 2.5			1														
EGYH	1.14	263.9	Pg	07:00:52.400	4.0	T__	---	---	---	15300963	FDSN	IR	--	ISC	iLoc	???	???	_
EGYH	1.14	263.8	Lg	07:01:03.843	-0.9	T__	---	---	---	15300964	FDSN	HU	--	BUD	iLoc	HHN	???	_
A266A	1.14	206.6	Pg	07:00:48.304	-0.0	T__	859.1	---	MLv	15300965	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A266A	1.14	206.6	Lg	07:01:04.704	-0.1	T__	---	---	---	15300966	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML	: 3.1			1														
MORH	1.36	190.6	Pn	07:00:50.572	1.1	T__	44.1	---	MLv	15300967	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.36	190.6	Pg	07:00:52.915	0.6	T__	---	---	---	15300968	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.36	190.6	Sn	07:01:06.727	-1.3	T__	---	---	---	15300969	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORH	1.36	190.7	Pn	07:00:50.400	0.9	T__	0.0	---	---	15300970	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.36	190.7	Pg	07:00:51.447	-0.9	T__	---	---	---	15300971	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.36	190.7	Pb	07:00:52.800	0.4	T__	---	---	---	15300972	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.36	190.7	Sn	07:01:06.542	-1.5	T__	---	---	---	15300973	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.36	190.7	Lg	07:01:06.900	-5.1	T__	0.0	---	---	15300974	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML	: 1.9			0														
KECS	1.36	46.3	Pg	07:00:55.900	2.9	T__	---	---	---	15300975	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	1.36	46.3	Lg	07:01:11.340	-0.8	T__	---	---	---	15300976	FDSN	SK	--	BUD	iLoc	EHN	???	_
A261A	1.40	245.3	Sn	07:01:09.196	-0.0	T__	---	---	---	15300977	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MODS	1.42	305.9	Pn	07:00:51.968	1.0	T__	---	---	---	15300978	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	1.42	305.9	Sn	07:01:10.075	-0.6	T__	---	---	---	15300979	FDSN	SK	--	BUD	iLoc	HHE	???	_

A263A	1.47	232.4	Pg	07:00:53.544	-0.8	T__	443.2	---	MLv	15300980	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 3.0 1																		
JAVC	1.58	326.2	Pn	07:00:55.437	2.0	T__		---		15300981	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	1.58	326.2	Sn	07:01:14.991	-0.3	T__		---		15300982	FDSN	CZ	--	BUD	iLoc	BHE	???	_
JAVC	1.58	326.2	Pn	07:00:54.800	1.4	T__		---		15300983	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	1.59	203.4	Pn	07:00:53.500	0.7	T__		---		15300984	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	1.59	203.4	Pn	07:00:53.647	0.8	T__	0.1	---		15300985	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	1.59	203.4	Sn	07:01:12.421	-1.4	T__	101.5	---	MLv	15300986	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 2.4 1																		
LANS	1.63	10.7	Pn	07:00:56.047	2.1	T__	88.9	---	MLv	15300987	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 2.4 1																		
SOP	1.66	275.5	Pn	07:00:54.874	0.8	T__	104.9	---	MLv	15300988	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
SOP	1.66	275.5	Pg	07:01:04.200	6.0	T__		---		15300989	FDSN	IR	--	ISC	iLoc	???	???	_
SOP	1.66	275.5	Sn	07:01:15.372	-0.3	T__		---		15300990	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 2.4 1																		
ABAH	1.68	62.8	Pn	07:00:56.823	2.8	T__	638.9	---	MLv	15300991	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	1.68	62.8	Sn	07:01:18.150	2.3	T__		---		15300992	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 3.2 0																		
RONA	1.84	275.6	Pn	07:00:57.542	0.8	T__	3.1	0.16	---	15300993	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.84	275.6	Sn	07:01:19.555	-0.7	T__	3.1	0.26	---	15300994	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	1.87	235.5	Sn	07:01:22.738	2.0	T__		---		15300995	FDSN	HU	--	BUD	iLoc	BHN	???	_
BEHE	1.87	235.5	Pn	07:00:57.850	0.9	T__		---		15300996	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	1.87	235.5	Sn	07:01:19.320	-1.4	T__		---		15300997	FDSN	IR	--	ISC	iLoc	???	???	_
NIE	2.06	24.3	Pg	07:01:06.100	0.3	T__		---		15300998	FDSN	IR	--	ISC	iLoc	???	???	_
A011B	2.07	267.2	Sn	07:01:25.935	0.4	T__		---		15300999	FDSN	Z3	00	BUD	iLoc	HH3	???	_
CONA	2.16	281.2	Pn	07:01:02.034	0.8	T__	74.5	---	MLv	15301000	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
CONA	2.16	281.2	Pn	07:01:04.000	2.8	T__		---		15301001	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	2.16	281.2	Lg	07:01:34.350	-2.5	T__	14.7	0.80	---	15301002	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.6 1																		
SIRR	2.23	124.2	Pn	07:01:03.167	1.4	T__		---		15301003	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	2.23	124.2	Pn	07:01:03.374	1.5	T__		---		15301004	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	2.23	124.2	Sn	07:01:30.054	1.0	T__	20.7	---	MLv	15301005	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 2.1 0																		
KRUC	2.31	311.9	Pn	07:01:03.900	0.7	T__		---		15301006	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	2.31	311.9	Pn	07:01:04.731	1.5	T__		---		15301007	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	2.31	311.9	Pg	07:01:09.921	-0.4	T__		---		15301008	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	2.31	311.9	Sn	07:01:31.655	-0.7	T__		---		15301009	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A012A	2.32	272.6	Sn	07:01:32.191	0.1	T__		---		15301010	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A012A	2.32	272.6	Lg	07:01:42.401	1.1	T__		---		15301011	FDSN	Z3	00	BUD	iLoc	HH3	???	_
OKC	2.36	346.4	Sn	07:01:34.267	0.3	T__		---		15301012	FDSN	CZ	--	BUD	iLoc	BHN	???	_
VRAC	2.38	318.5	Pn	07:01:04.159	-0.1	T__		---		15301013	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	2.38	318.5	Pg	07:01:05.500	-6.2	T__		---		15301014	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	2.38	318.5	Sn	07:01:34.000	-0.5	T__		---		15301015	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	2.38	318.5	Pn	07:01:05.651	1.4	T__		---		15301016	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	2.38	318.5	Sn	07:01:34.580	0.1	T__		---		15301017	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
ARSA	2.38	264.0	Sn	07:01:32.767	-0.3	T__		---		15301018	FDSN	OE	--	BUD	iLoc	BHN	???	_
ARSA	2.38	264.0	Pn	07:01:03.320	-0.9	T__		---		15301019	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	2.38	264.0	Sn	07:01:32.170	-0.9	T__		---		15301020	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	2.38	264.0	IAML	07:01:33.970	-99.0	T__	7.9	0.45	---	15301021	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	2.43	337.0	Sn	07:01:35.375	-0.8	T__		---		15301022	FDSN	CZ	--	BUD	iLoc	BHN	???	_
MORC	2.43	337.0	Pn	07:01:04.585	-0.5	T__		---		15301023	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	2.43	337.0	Pg	07:01:06.030	-6.4	T__		---		15301024	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	2.43	337.0	Sn	07:01:34.900	-1.3	T__		---		15301025	FDSN	IR	--	ISC	iLoc	???	???	_

MORC	2.43	337.0	IAML	07:01:44.900	-99.0	---	10.0	0.65	---	15301026	FDSN	IR	--	ISC	iLoc	???	???	_	
BZS	2.64	136.1	Pn	07:01:09.006	1.4	T__			---	15301027	FDSN	IR	--	ISC	iLoc	???	???	_	
BZS	2.64	136.1	Pg	07:01:13.900	-3.7	T__			---	15301028	FDSN	IR	--	ISC	iLoc	???	???	_	
BZS	2.65	135.8	Pn	07:01:09.403	1.6	T__	22.2		---	MLv	15301029	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 2.3 1)																			
OJC	2.72	10.8	Sn	07:01:44.182	0.9	T__			---	15301030	FDSN	PL	--	BUD	iLoc	BHE	???	_	
SURR	2.80	128.8	Pn	07:01:11.135	1.3	T__			---	15301031	FDSN	IR	--	ISC	iLoc	???	???	_	
VRSS	2.91	145.7	Pn	07:01:13.100	1.7	T__			---	15301032	FDSN	IR	--	ISC	iLoc	???	???	_	
MARR	2.94	105.8	Pn	07:01:12.793	0.7	T__			---	15301033	FDSN	IR	--	ISC	iLoc	???	???	_	
TEKS	3.02	172.9	Pn	07:01:16.400	3.5	T__			---	15301034	FDSN	IR	--	ISC	iLoc	???	???	_	
TEKS	3.02	172.9	Sn	07:01:47.500	-1.5	T__			---	15301035	FDSN	IR	--	ISC	iLoc	???	???	_	
MOA	3.22	277.1	Pg	07:01:26.900	0.3	T__			---	15301036	FDSN	IR	--	ISC	iLoc	???	???	_	
MDVR	3.35	144.8	Pn	07:01:18.889	1.2	T__			---	15301037	FDSN	IR	--	ISC	iLoc	???	???	_	
MDVR	3.35	144.8	Pg	07:01:19.100	-10.9	---			---	15301038	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	3.38	128.3	Pn	07:01:18.728	0.4	T__			---	15301039	FDSN	IR	--	ISC	iLoc	???	???	_	
BUR08	4.19	86.4	Pn	07:01:31.220	1.1	T__			---	15301040	FDSN	IR	--	ISC	iLoc	???	???	_	
GOCS	4.20	161.1	Pn	07:01:30.800	1.3	T__			---	15301041	FDSN	IR	--	ISC	iLoc	???	???	_	
ZAGS	4.37	147.7	Pn	07:01:33.400	1.9	T__			---	15301042	FDSN	IR	--	ISC	iLoc	???	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/05/17	08:24:00.85	1.45	0.67	46.1299	18.0602	10.7	6.6	94	0.0S		6	3	194	0.05	1.10	m	kx BUD	15301150	iLoc			291
2019/05/17	08:24:00.35f		0.50	46.1254	18.0152f				0.0S		6		220	0.07	1.10	a	kx BUD_GT	15327913	BUD			315

(GT info : GT2 explosion)

(description : known quarry blast)

(locality : Bükkösd-II Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	-0.4	0.1	3 BUD	15301150
ML	1.7	0.0	3 ILOC	15327913

Sta	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	122.2	Pg	08:24:02.769	0.3					T__		1508.0		---	MLv	15329647	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_	
KOVH	0.07	122.2	Lg	08:24:03.808	-0.6					T__				---		15329648	FDSN	HU	--	BUD	BUD	BHN	???	_	
(Station ML : 1.7 1)																									
MORH	0.45	78.1	Pg	08:24:09.555	-0.1					T__		10.4		---	MLv	15329649	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_	
MORH	0.45	78.1	Lg	08:24:16.687	-0.2					T__				---		15329650	FDSN	HU	--	BUD	BUD	BHN	???	_	
(Station ML : 0.6 1)																									
MPLH	1.10	342.8	Pn	08:24:21.327	-0.4					T__		38.0		---	MLv	15329651	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_	
MPLH	1.10	342.8	Lg	08:24:39.330	0.9					T__				---		15329652	FDSN	HU	--	BUD	BUD	BHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/05/17	09:38:40.94	1.11	0.46	47.2533	18.2640	6.4	4.8	105	0.0S		6	4	155	0.11	0.50	m	kx BUD	15301171	iLoc				261
2019/05/17	09:38:40.62f		0.65	47.2302	18.2835f				0.0S		6		161	0.13	0.51	a	kx BUD_GT	15327917	BUD				270

(GT info : GT2 explosion)

(description : known quarry blast)

(locality : Iszkaszentgyörgy Hungary)

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	353.4	Pg	09:38:43.696	-0.2					T__		1510.6			MLv	15329653	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.13	353.4	Lg	09:38:46.639	-0.4					T__						15329654	FDSN	HU	--	BUD	BUD	HHN	???	_
A267A	0.31	154.4	Lg	09:38:54.336	1.4					T__						15329656	FDSN	Z3	00	BUD	BUD	HHE	???	_
A268A	0.32	309.6	Lg	09:38:53.107	-0.1					T__						15329655	FDSN	Z3	00	BUD	BUD	HHE	???	_
MPLH	0.51	263.5	Pg	09:38:51.417	0.2					T__		28.8			MLv	15329657	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MPLH	0.51	263.5	Lg	09:38:58.480	-0.6					T__						15329658	FDSN	HU	--	BUD	BUD	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/05/17	10:38:01.82	1.12	1.08	47.6480	18.5907	12.2	5.2	113	0.0S		13	6	126	0.36	1.43	m	sx BUD	15301187	iLoc			187	
(description : suspected quarry blast)																							
(locality : Gánt Hungary)																							

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
A269A	0.14	266.2	Lg	10:38:23.278	15.0					---						15301189	FDSN	Z3	00	BUD	iLoc	HHE	???	_
CSKK	0.36	218.3	Pn	10:38:14.098	-0.2					T__		2096.3			MLv	15301190	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.36	218.3	Lg	10:38:15.470	-0.5					T__						15301191	FDSN	HU	--	BUD	iLoc	HHN	???	_
CSKK	0.36	218.3	Lg	10:38:16.000	0.0					T__		21.1				15301192	FDSN	IR	--	ISC	iLoc	???	???	_
A268A	0.50	244.6	Sn	10:38:26.252	0.7					T__						15301193	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A267A	0.71	186.1	Lg	10:38:28.252	0.9					T__						15301194	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MPLH	0.86	236.6	Lg	10:38:32.147	0.5					T__						15301195	FDSN	HU	--	BUD	iLoc	BHN	???	_
MPLH	0.86	236.6	Sn	10:38:35.200	0.7					T__						15301196	FDSN	IR	--	ISC	iLoc	???	???	_
VYHS	0.86	10.9	Sn	10:38:51.840	16.7					---						15301197	FDSN	SK	--	BUD	iLoc	HHN	???	_
VYHS	0.86	10.9	Pn	10:38:21.800	1.5					T__		0.0				15301198	FDSN	IR	--	ISC	iLoc	???	???	_
VYHS	0.86	10.9	Lg	10:38:32.300	0.2					T__		0.0				15301199	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.92	72.4	Pn	10:38:18.900	-2.2					T__		0.0				15301200	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.92	72.4	Lg	10:38:27.200	-8.1					---		0.0				15301201	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.43	178.5	Sn	10:38:49.825	1.5					T__						15301202	FDSN	HU	--	BUD	iLoc	BHN	???	_
MORH	1.43	178.5	Pg	10:38:30.000	-0.2					T__		0.0				15301203	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.43	178.5	Sn	10:38:48.700	0.3					T__		0.0				15301204	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/05/17	11:49:04.25	0.84	1.06	47.7130	18.5177	3.5	2.8	134	0.0S		20	12	66	0.12	1.06	m	sx BUD	15301265	iLoc			119	
(description : suspected quarry blast)																							
(locality : Bersekbánya-I Hungary)																							

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.1	6 ILOC	15301265

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A269A	0.12	230.9	Pg	11:49:06.998	-0.1					T__		1783.6			MLv	15301267	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A269A	0.12	230.9	Lg	11:49:08.468	-1.4					T__						15301268	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
(Station ML : 1.9 1)																								
SR0	0.17	306.1	Pg	11:49:08.579	0.4					T__		5219.2			MLv	15301269	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
SR0	0.17	306.1	Lg	11:49:11.937	0.3					T__						15301270	FDSN	SK	--	BUD	iLoc	EHE	???	_

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(Station ML : 2.5 0
A270A 0.36 68.4 Pg 11:49:12.253 0.2 T__ 241.9 --- MLv 15301271 FDSN Z3 00 BUD iLoc HHZ HHZ _
A270A 0.36 68.4 Lg 11:49:18.174 -0.1 T__ --- 15301272 FDSN Z3 00 BUD iLoc HHE ??? _
(Station ML : 1.7 1
CSKK 0.39 206.6 Pg 11:49:13.303 0.9 T__ 165.8 --- MLv 15301273 FDSN HU -- BUD iLoc HHZ HHZ _
CSKK 0.39 206.6 Lg 11:49:18.706 -0.7 T__ --- 15301274 FDSN HU -- BUD iLoc HHE ??? _
CSKK 0.39 206.6 Pg 11:49:13.200 0.7 T__ 1.7 --- 15301275 FDSN IR -- ISC iLoc ??? ??? _
(Station ML : 1.6 1
BUD 0.41 123.6 Lg 11:49:19.324 -0.9 T__ --- 15301276 FDSN HU -- BUD iLoc BHN ??? _
A268A 0.49 235.2 Lg 11:49:23.434 0.9 T__ --- 15301277 FDSN Z3 00 BUD iLoc HHE ??? _
A267A 0.77 181.8 Lg 11:49:31.848 -0.1 T__ --- 15301278 FDSN Z3 00 BUD iLoc HHE ??? _
VYHS 0.81 15.2 Pn 11:49:21.233 -0.8 T__ 7.1 --- MLv 15301279 FDSN SK -- BUD iLoc HHZ HHZ _
VYHS 0.81 15.2 Lg 11:49:32.637 -0.1 T__ --- 15301280 FDSN SK -- BUD iLoc HHE ??? _
VYHS 0.81 15.2 Sn 11:49:33.900 -2.4 T__ 0.0 --- 15301281 FDSN IR -- ISC iLoc ??? ??? _
(Station ML : 0.8 0
EGYH 0.86 250.1 Sn 11:49:35.389 -1.4 T__ --- 15301282 FDSN HU -- BUD iLoc HHN ??? _
MPLH 0.86 231.1 Pn 11:49:22.752 0.3 T__ 50.8 --- MLv 15301283 FDSN HU -- BUD iLoc BHZ BHZ _
MPLH 0.86 231.1 Lg 11:49:34.697 0.7 T__ --- 15301284 FDSN HU -- BUD iLoc BHN ??? _
(Station ML : 1.7 1
PSZ 0.95 77.0 Sn 11:49:38.790 -1.1 T__ --- 15301285 FDSN GE -- BUD iLoc HHN ??? _
MODS 1.06 308.9 Lg 11:49:40.167 -1.9 T__ --- 15301286 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
2019/05/17 13:05:12.86 0.93 0.92 45.8557 17.2319 8.4 4.6 161 13.5F 14.1 13 8 112 0.41 1.24 m ke BUD 15326301 iLoc 164

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Magnitude Err Nsta Author OrigID
ML 1.6 0.7 4 ILOC 15326301

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
MOSL 0.41 234.3 Pg 13:05:21.340 -0.1 T__ --- 15326303 FDSN IR -- ISC iLoc ??? ??? _
MOSL 0.41 234.3 Lg 13:05:26.780 -0.6 T__ --- 15326304 FDSN IR -- ISC iLoc ??? ??? _
BELGA 0.48 15.3 Sn 13:05:33.094 -0.5 T__ --- 15326305 FDSN HU -- BUD iLoc HHE ??? _
KALN 0.61 297.3 Pg 13:05:24.990 -0.0 T__ --- 15326306 FDSN IR -- ISC iLoc ??? ??? _
KALN 0.61 297.3 Lg 13:05:32.590 -0.9 T__ --- 15326307 FDSN IR -- ISC iLoc ??? ??? _
KOVH 0.65 68.7 Pn 13:05:26.637 0.2 T__ 21.0 --- MLv 15326308 FDSN HU -- BUD iLoc BHZ BHZ _
KOVH 0.65 68.7 Lg 13:05:35.119 0.5 T__ --- 15326309 FDSN HU -- BUD iLoc BHE ??? _
(Station ML : 1.2 1
BEHE 0.69 332.9 Pn 13:05:27.884 0.6 T__ 135.1 --- MLv 15326310 FDSN HU -- BUD iLoc BHZ BHZ _
(Station ML : 2.0 1
MORH 1.05 69.4 Pg 13:05:32.972 -0.1 T__ 6.7 --- MLv 15326311 FDSN HU -- BUD iLoc BHZ BHZ _
MORH 1.05 69.4 Lg 13:05:47.514 -0.5 T__ --- 15326312 FDSN HU -- BUD iLoc BHN ??? _
(Station ML : 0.9 1
BLY 1.07 181.9 Sn 13:05:48.880 1.5 T__ --- 15326313 FDSN MN -- BUD iLoc HHE ??? _
CRES 1.24 269.3 Pg 13:05:37.145 1.4 T__ 80.4 --- MLv 15326314 FDSN SL -- BUD iLoc BHZ BHZ _
CRES 1.24 269.3 Lg 13:05:54.230 1.0 T__ --- 15326315 FDSN SL -- BUD iLoc BHE ??? _

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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
2019/05/18 01:30:24.87 0.24 0.74 47.6485 18.4471 3.6 2.5 129 4.0A 0.0 21 14 100 0.04 1.77 m ke BUD 15241846 scolnv@krszo 360

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2019/05/18 01:30:24.26 0.86 1.15 47.6283 18.4630 4.9 2.9 110 3.1F 9.5 21 14 102 0.06 1.78 m ke BUD_GT 15301346 iLoc 115
 (GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)

Magnitude	Err	Nsta	Author	OrigID
M	1.2	6	BUD	15241846
MLv	1.2 0.2	6	BUD	15241846
ML	1.2 0.3	8	ILOC	15301346

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A269A	0.06	280.7	Pg	01:30:25.818	0.1					T__		4019.0		---	MLv	15301348	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A269A	0.06	280.7	Lg	01:30:26.987	-0.2					T__				---		15301349	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 2.1 0)																								
SR0	0.21	331.4	Pg	01:30:28.597	-0.1					T__		302.9		---	MLv	15301350	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
SR0	0.21	331.4	Lg	01:30:32.062	-0.3					T__				---		15301351	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.4 1)																								
CSKK	0.30	207.4	Pg	01:30:30.118	-0.3					T__		84.3		---	MLv	15301352	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.30	207.4	Lg	01:30:35.556	-0.1					T__				---		15301353	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.1 1)																								
A268A	0.42	241.9	Pg	01:30:32.846	0.2					T__		22.5		---	MLv	15301354	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A268A	0.42	241.9	Lg	01:30:39.729	0.4					T__				---		15301355	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 0.8 0)																								
A270A	0.43	59.7	Lg	01:30:40.167	0.0					T__				---		15301356	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A267A	0.68	178.9	Lg	01:30:48.580	0.1					T__				---		15301357	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MPLH	0.78	234.2	Lg	01:30:51.243	0.5					T__				---		15301358	FDSN	HU	--	BUD	iLoc	BHN	???	_
EGYH	0.80	254.9	Sn	01:30:52.766	-1.3					T__				---		15301359	FDSN	HU	--	BUD	iLoc	HHN	???	_
A335A	0.82	354.1	Pg	01:30:41.005	0.2					T__		26.6		---	MLv	15301360	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.4 1)																								
VYHS	0.90	16.0	Pg	01:30:42.795	0.4					T__		7.6		---	MLv	15301361	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.90	16.0	Sn	01:30:53.355	-4.1					T__				---		15301362	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 0.9 1)																								
PSZ	1.01	72.7	Pn	01:30:44.142	-0.1					T__		19.6		---	MLv	15301363	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	1.01	72.7	Sn	01:30:58.791	-1.3					T__				---		15301364	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.4 1)																								
A263A	1.26	218.8	Lg	01:31:06.662	-0.2					T__				---		15301365	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MORH	1.42	174.9	Pn	01:30:49.824	0.4					T__		5.3		---	MLv	15301366	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.42	174.9	Sn	01:31:10.458	1.2					T__				---		15301367	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.0 1)																								
CONA	1.78	280.7	Sn	01:31:18.425	-0.2					T__				---		15301368	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
2019/05/18	08:25:09.73	0.97	1.05	48.5955	20.7797	7.6	3.8	178	0.0S		23	12	78	0.23	2.23	m	sx BUD	15301402	iLoc			96
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.8 0.3	8	ILOC	15301402

Sta	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	240.2	Pg	08:25:14.578	0.1					T__		3994.1		---	MLv	15301404	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.23	240.2	Lg	08:25:17.200	-0.9					T__		4.0		---		15301405	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	0.23	240.2	Sg	08:25:18.400	0.3					T__		4.0		---		15301406	FDSN	IR	--	ISC	iLoc	???	???	_

KECS	0.23	240.2	Lg	08:25:18.691	0.6	T__	---	15301407	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 2.5 0																
ABAH	0.43	134.2	Pg	08:25:18.899	0.4	T__	84.5	15301408	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.43	134.2	Lg	08:25:24.649	-1.3	T__	---	15301409	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.4 1																
STHS	0.88	20.2	Pn	08:25:27.600	-0.9	T__	0.1	15301410	FDSN	IR	--	ISC	iLoc	???	???	_
STHS	0.88	20.2	Sn	08:25:41.200	-2.6	T__	0.1	15301411	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.90	221.5	Pn	08:25:27.870	-0.8	T__	51.4	15301412	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.90	221.5	Lg	08:25:41.570	-0.6	T__	---	15301413	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.7 1																
LANS	1.03	303.2	Pn	08:25:30.412	-0.2	T__	56.3	15301414	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
LANS	1.03	303.2	Sn	08:25:45.783	-1.5	T__	---	15301415	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.8 1																
KOLS	1.04	70.6	Pn	08:25:32.028	1.3	T__	---	15301416	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	1.04	70.6	Sn	08:25:46.865	-1.0	T__	---	15301417	FDSN	SK	--	BUD	iLoc	HHE	???	_
KOLS	1.04	70.6	Sn	08:25:47.100	-0.8	T__	---	15301418	FDSN	IR	--	ISC	iLoc	???	???	_
HOLU	1.07	93.1	Pn	08:25:30.638	-0.2	T__	---	15301419	FDSN	UA	--	BUD	iLoc	MHZ	???	_
TRPA	1.26	111.0	Pg	08:25:34.338	0.3	T__	17.7	15301420	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
TRPA	1.26	111.0	Sn	08:25:51.872	-0.8	T__	---	15301421	FDSN	HU	--	BUD	iLoc	BHZ	???	_
(Station ML : 1.4 1																
STZU	1.29	70.2	Pn	08:25:36.013	1.7	T__	---	15301422	FDSN	UA	--	BUD	iLoc	MHZ	???	_
VYHS	1.30	266.2	Pn	08:25:35.004	0.8	T__	6.3	15301423	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.30	266.2	Sn	08:25:52.814	-0.8	T__	---	15301424	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.0 0																
OJC	1.75	338.9	Pg	08:25:44.020	-0.1	T__	22.4	15301425	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 1.8 1																
DRGR	2.23	143.4	Pn	08:25:47.708	0.5	T__	29.2	15301426	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/05/19	11:46:19.40	0.34		45.6920	17.8680	0.0	0.0		6.5F	3.0	16			0.75	1.78	a	ke RHSSO	15274064	ISC			360
2019/05/19	11:46:18.87	1.40	1.29	45.6584	17.8929	6.9	5.6	0	0.7F	3.6	34	16	66	0.45	7.63	m	ke BUD	15301506	iLoc			91

Magnitude	Err	Nsta	Author	OrigID
ML	1.6		RHSSO	15274064
ML	1.9	0.3	7 ILOC	15301506

Sta	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	0.45	18.5	Pg	11:46:27.616	-0.7					T__		27.9		---	MLv	15301508	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.45	18.5	Lg	11:46:33.710	-1.1					T__				---		15301509	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.0 0																								
BELGA	0.74	333.4	Pg	11:46:34.391	0.5					T__	144.6			---	MLv	15301510	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BELGA	0.74	333.4	Lg	11:46:43.221	-0.7					T__				---		15301511	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 2.1 1																								
MORH	0.76	43.0	Pg	11:46:33.200	-1.0					T__				---		15301512	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	0.76	43.0	Lg	11:46:43.500	-2.0					T__				---		15301513	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	0.77	43.0	Pg	11:46:34.714	0.5					T__	17.6			---	MLv	15301514	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	0.77	43.0	Lg	11:46:45.966	0.5					T__				---		15301515	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.2 1																								
DARVA	0.84	324.9	Pg	11:46:35.634	-0.2					T__	86.1			---	MLv	15301516	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
DARVA	0.84	324.9	Lg	11:46:47.215	0.2					T__				---		15301517	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.9 1																								

A266A	0.91	16.5	Pg	11:46:37.432	0.4	T__	104.9	---	MLv	15301518	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A266A	0.91	16.5	Lg	11:46:50.727	0.6	T__		---		15301519	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 2.0 1																		
A051A	0.95	227.5	Pg	11:46:36.700	-0.8	T__		---		15301520	FDSN	IR	--	ISC	iLoc	???	???	_
A051A	0.95	227.5	Lg	11:46:50.100	0.3	T__		---		15301521	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	1.01	210.3	Pg	11:46:39.180	0.6	T__	42.7	---	MLv	15301522	FDSN	MN	--	BUD	iLoc	BHZ	BHZ	_
BLY	1.01	210.3	Sn	11:46:54.241	0.2	T__		---		15301523	FDSN	MN	--	BUD	iLoc	BHN	???	_
BLY	1.04	209.1	Pg	11:46:38.700	-0.5	T__		---		15301524	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	1.04	209.1	Lg	11:46:53.000	0.8	T__		---		15301525	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.7 1																		
KNYS	1.35	235.9	Pn	11:46:43.900	-0.3	T__		---		15301526	FDSN	IR	--	ISC	iLoc	???	???	_
KNYS	1.35	235.9	Sn	11:47:02.400	-0.4	T__		---		15301527	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	1.37	281.2	Lg	11:47:04.304	0.5	T__		---		15301528	FDSN	CR	--	BUD	iLoc	BHE	???	_
FRGS	1.44	109.7	Sn	11:47:06.000	1.2	T__		---		15301529	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	1.47	110.2	Sn	11:47:08.159	2.4	T__		---		15301530	FDSN	SJ	--	BUD	iLoc	HHN	???	_
A050A	1.52	219.8	Pn	11:46:46.900	-0.0	T__		---		15301531	FDSN	IR	--	ISC	iLoc	???	???	_
A050A	1.52	219.8	Sn	11:47:07.600	-0.3	T__		---		15301532	FDSN	IR	--	ISC	iLoc	???	???	_
TEKS	1.60	133.2	Pn	11:46:48.900	1.6	T__		---		15301533	FDSN	IR	--	ISC	iLoc	???	???	_
TEKS	1.60	133.2	Sn	11:47:10.100	1.5	T__		---		15301534	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	1.71	276.5	Pg	11:46:50.986	-0.0	T__	128.0	---	MLv	15301535	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	1.71	276.5	Lg	11:47:13.560	-3.0	T__		---		15301536	FDSN	SL	--	BUD	iLoc	BHE	???	_
CRES	1.71	276.5	Pn	11:46:49.300	0.0	T__		---		15301537	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	1.71	276.5	Sn	11:47:11.600	0.3	T__		---		15301538	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.6 0																		
HAPS	1.74	154.1	Sn	11:47:13.700	1.3	T__		---		15301539	FDSN	IR	--	ISC	iLoc	???	???	_
BRG	5.85	334.6	Pn	11:47:50.000	3.3	T__		---		15301540	FDSN	IR	--	ISC	iLoc	???	???	_
GKP	7.63	357.0	Pg	11:48:41.500	-2.2	T__		---		15301541	FDSN	IR	--	ISC	iLoc	???	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/05/19 15:50:52.68 1.00 1.01 48.6291 19.3951 4.8 3.7 160 16.4F 17.8 12 6 109 0.40 0.82 m ke BUD 15301571 iLoc 205

Magnitude Err Nsta Author OrigID
 ML 1.4 0.0 5 ILOC 15301571

Sta	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	0.40	250.2	Pg	15:51:01.686	0.5					T__		5.9		---	MLv	15301573	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.40	250.2	Lg	15:51:07.087	-0.3					T__				---		15301574	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 0.2 0																								
LANS	0.52	5.2	Pg	15:51:03.521	0.1					T__		31.4		---	MLv	15301575	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
LANS	0.52	5.2	Lg	15:51:10.376	-0.1					T__				---		15301576	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.3 1																								
A335A	0.73	255.9	Pg	15:51:07.770	0.3					T__		30.6		---	MLv	15301577	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A335A	0.73	255.9	Lg	15:51:17.525	-0.9					T__				---		15301578	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 1.4 1																								
KECS	0.74	101.0	Pg	15:51:08.091	0.6					T__		206.0		---	MLv	15301579	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.74	101.0	Lg	15:51:17.159	-0.7					T__				---		15301580	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.74	101.0	Lg	15:51:17.500	-0.4					T__		0.2		---		15301581	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.2 0																								
PSZ	0.79	154.7	Pn	15:51:09.302	1.0					T__		26.9		---	MLv	15301582	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.79	154.7	Lg	15:51:20.105	-0.7					T__				---		15301583	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.4 1																								

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2019/05/19	18:53:13.07	0.98	0.98	48.6213	19.3961	6.3	4.2	179	13.4F	22.2	9	5	108	0.39	0.78	m	ke BUD	15301607	iLoc			203		
Magnitude Err Nsta Author OrigID ML 1.4 0.4 4 ILOC 15301607																								
Sta	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	0.39	251.3	Pg	18:53:21.945	0.5					T__		3.8		---	MLv	15301609	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.39	251.3	Lg	18:53:27.190	-0.3					T__				---		15301610	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : -0.0 1																								
LANS	0.53	5.1	Lg	18:53:30.549	-0.5					T__				---		15301611	FDSN	SK	--	BUD	iLoc	EHE	???	_
A335A	0.73	256.5	Pg	18:53:27.919	0.1					T__		29.7		---	MLv	15301612	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A335A	0.73	256.5	Lg	18:53:37.635	-1.1					T__				---		15301613	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 1.4 1																								
KECS	0.74	100.4	Pg	18:53:28.229	0.4					T__		92.5		---	MLv	15301614	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.74	100.4	Lg	18:53:37.395	-0.7					T__				---		15301615	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.9 1																								
PSZ	0.78	154.5	Pn	18:53:30.203	1.4					T__		26.4		---	MLv	15301616	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.78	154.5	Lg	18:53:40.105	-0.7					T__				---		15301617	FDSN	GE	--	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		
2019/05/20	08:42:03.47	1.21	0.74	48.5870	20.7938	9.3	4.3	12	0.0S		12	8	149	0.23	1.64	m	sx BUD	15301635	iLoc			186		
(description : suspected quarry blast)																								
(locality : Dvorniky-Vcelare Slovakia)																								
Magnitude Err Nsta Author OrigID ML 1.6 0.2 5 ILOC 15301635																								
Sta	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	243.2	Pg	08:42:08.160	-0.1					T__		836.6		---	MLv	15301637	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.23	243.2	Lg	08:42:12.468	0.5					T__				---		15301638	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 1.9 0																								
ABAH	0.42	134.3	Pg	08:42:12.018	0.0					T__		60.5		---	MLv	15301639	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.42	134.3	Lg	08:42:19.144	-0.1					T__				---		15301640	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.2 1																								
PSZ	0.90	222.3	Pn	08:42:21.698	-0.7					T__		36.2		---	MLv	15301641	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.90	222.3	Lg	08:42:35.516	-0.4					T__				---		15301642	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.6 1																								
LANS	1.04	303.3	Pg	08:42:23.885	-0.1					T__		38.2		---	MLv	15301643	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 1.7 1																								
HOLU	1.06	92.7	Pn	08:42:24.654	0.2					T__				---		15301644	FDSN	UA	--	BUD	iLoc	MHZ	???	_
TRPA	1.25	110.8	Sn	08:42:46.169	0.1					T__				---		15301645	FDSN	HU	--	BUD	iLoc	BHE	???	_
VYHS	1.30	266.6	Pn	08:42:28.896	0.8					T__		4.2		---	MLv	15301646	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.30	266.6	Sn	08:42:46.878	-0.7					T__				---		15301647	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 0.8 0																								
A335A	1.64	266.0	Sn	08:42:57.567	1.7					T__				---		15301648	FDSN	Z3	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
2019/05/20	10:09:15.62	0.23	0.47	46.9406	22.3245	1.9	1.5	167	7.5F	2.3	19	114		0.30	2.20	a	ke BUC	15274106	ISC			360
2019/05/20	10:09:14.62	0.82	0.61	46.9762	22.3200	5.0	3.1	12	0.0S		37	12	107	0.33	2.24	m	sx BUD	15301670	iLoc			127

(description : suspected quarry blast)
(locality : Tetchea Romania)

Magnitude	Err	Nsta	Author	OrigID
ml	1.9		BUC	15274106
ML	2.2	0.3	6 ILOC	15301670

Sta	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	124.4	Pg	10:09:21.730	0.4					T__		292.0			MLv	15301672	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.33	124.4	Lg	10:09:26.412	-0.5					T__						15301673	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.7 0)																								
BORR	0.38	287.5	Pg	10:09:22.875	0.0					T__						15301674	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	0.38	287.5	Pg	10:09:22.875	0.0					T__		0.4				15301675	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	0.38	287.5	Lg	10:09:29.592	0.0					T__		0.4				15301676	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	0.38	287.5	Lg	10:09:29.592	0.0					T__						15301677	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.46	67.8	Pg	10:09:24.076	0.1					T__						15301678	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.46	67.8	Pg	10:09:24.076	0.1					T__		0.3				15301679	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.46	67.8	Lg	10:09:31.082	-0.7					T__		0.3				15301680	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.46	67.8	Lg	10:09:31.082	-0.7					T__						15301681	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.63	118.4	Pg	10:09:27.174	0.0					T__						15301682	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.63	118.4	Pg	10:09:27.174	0.0					T__						15301683	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.63	118.4	Lg	10:09:35.544	-1.6					T__						15301684	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.92	106.2	Pg	10:09:32.417	-0.2					T__		317.1			MLv	15301685	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
CJR	0.92	106.2	Pg	10:09:32.833	0.2					T__						15301686	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.92	106.2	Pg	10:09:32.833	0.2					T__		0.1				15301687	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.92	106.2	Lg	10:09:46.593	0.1					T__		0.1				15301688	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.92	106.2	Lg	10:09:46.593	0.1					T__						15301689	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.92	106.2	Lg	10:09:47.379	0.9					T__						15301690	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 2.5 1)																								
BMR	1.06	48.5	Pn	10:09:36.183	0.3					T__		166.6			MLv	15301691	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BMR	1.06	48.5	Lg	10:09:51.552	0.1					T__						15301692	FDSN	RO	--	BUD	iLoc	BHN	???	_
BMR	1.06	48.5	Lg	10:09:51.947	0.4					T__		0.2				15301693	FDSN	IR	--	ISC	iLoc	???	???	_
BMR	1.06	48.5	Lg	10:09:51.947	0.4					T__						15301694	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.3 1)																								
DEV	1.16	159.6	Pn	10:09:37.832	0.6					T__		261.9			MLv	15301695	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.6 0)																								
SURR	1.23	186.4	Pg	10:09:38.390	0.1					T__						15301696	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.23	186.4	Pg	10:09:38.390	0.1					T__		0.1				15301697	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.23	186.4	Lg	10:09:55.113	-0.4					T__		0.1				15301698	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.23	186.4	Lg	10:09:55.113	-0.4					T__						15301699	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.44	199.4	Pn	10:09:41.272	0.3					T__		42.7			MLv	15301700	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	1.44	199.4	Sn	10:09:59.898	-1.3					T__						15301701	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	1.44	200.0	Sn	10:10:01.382	-0.0					T__						15301702	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.9 1)																								
PSZ	1.90	300.7	Pn	10:09:46.420	-1.0					T__		29.1			MLv	15301703	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.0 1)																								
BURAR	2.07	71.0	Pn	10:09:51.905	1.3					T__						15301704	FDSN	IR	--	ISC	iLoc	???	???	_

BURAR	2.07	71.0	Pn	10:09:51.905	1.3	T__	---	15301705	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.07	71.0	Sn	10:10:17.641	-0.7	T__	---	15301706	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	2.24	191.2	Pn	10:09:52.415	-0.0	T__	---	15301707	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	2.24	191.2	Pn	10:09:52.415	-0.0	T__	---	15301708	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/05/21	07:20:21.89	1.42	0.59	47.3861	18.3499	15.1	4.4	136	0.0S	9	6	115	0.06	1.19	m	sx	BUD	15301743	iLoc			194
(description : suspected quarry blast)																						
(locality : Gánt Hungary)																						

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	249.3	Pg	07:20:24.121	0.3					T__		1473.6		---	MLv	15301745	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.06	249.3	Lg	07:20:25.498	-0.4					T__				---		15301746	FDSN	HU	--	BUD	iLoc	HHN	???	_
CSKK	0.06	249.3	Pg	07:20:24.000	0.1					T__		14.9		---		15301747	FDSN	IR	--	ISC	iLoc	???	???	_
A269A	0.25	5.0	Lg	07:20:32.235	-0.1					T__				---		15301748	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A270A	0.64	44.3	Lg	07:20:45.753	-0.2					T__				---		15301749	FDSN	Z3	00	BUD	iLoc	HHN	???	_
VYHS	1.16	16.3	Lg	07:21:01.955	-0.2					T__				---		15301750	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	1.17	62.4	Pn	07:20:44.747	0.1					T__		28.1		---	MLv	15301751	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	1.17	62.4	Sn	07:21:02.058	-0.7					T__				---		15301752	FDSN	GE	--	BUD	iLoc	BHN	???	_
MORH	1.19	170.1	Sn	07:21:01.228	-1.1					T__				---		15301753	FDSN	HU	--	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		
2019/05/21	08:15:13.46	1.08	0.91	48.5784	20.7573	7.5	3.9	18	0.0S	8	5	147	0.20	1.08	m	sx	BUD	15301763	iLoc					209
(description : suspected quarry blast)																								
(locality : Dvorniky-Vcelare Slovakia)																								

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.3	3 ILOC	15301763

Sta	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	0.20	242.3	Pg	08:15:17.820	0.1					T__		1029.1		---	MLv	15301765	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.20	242.3	Lg	08:15:22.041	0.9					T__				---		15301766	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.9 1)																								
ABAH	0.43	131.2	Pg	08:15:22.682	0.5					T__		95.9		---	MLv	15301767	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.43	131.2	Lg	08:15:28.567	-1.1					T__				---		15301768	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.5 1)																								
PSZ	0.88	221.4	Lg	08:15:43.856	-1.3					T__				---		15301769	FDSN	GE	--	BUD	iLoc	BHN	???	_
LANS	1.03	304.4	Pg	08:15:33.579	-0.1					T__		38.9		---	MLv	15301770	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
LANS	1.03	304.4	Lg	08:15:48.085	0.6					T__				---		15301771	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.7 1)																								
HOLU	1.08	92.1	Pn	08:15:34.544	-0.3					T__				---		15301772	FDSN	UA	--	BUD	iLoc	MHZ	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2019/05/21	08:34:00.33	0.87	0.91	48.5306	19.3485	6.1	2.9	3	0.0S	21	11	78	0.34	1.72	m	sx	BUD	15301786	iLoc					136

(description : suspected quarry blast)
 (locality : Viglas Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.8 0.4 5 ILOC 15301786

Sta	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	0.34	264.1	Pg	08:34:07.885	0.4					T__		23.0		---	MLv	15301788	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.34	264.1	Lg	08:34:12.732	0.0					T__				---		15301789	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 0.6 0)																								
A335A	0.68	263.3	Lg	08:34:23.835	-0.8					T__				---		15301790	FDSN	Z3	00	BUD	iLoc	HHN	???	_
PSZ	0.71	149.0	Pn	08:34:16.264	-0.5					T__		71.6		---	MLv	15301791	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.71	149.0	Lg	08:34:25.196	-1.2					T__				---		15301792	FDSN	GE	--	BUD	iLoc	BHN	???	_
PSZ	0.71	149.0	Lg	08:34:26.000	-0.4					T__		0.1		---		15301793	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.8 1)																								
A270A	0.72	198.0	Lg	08:34:26.898	0.3					T__				---		15301794	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KECS	0.76	93.2	Pg	08:34:15.364	-0.1					T__		374.5		---	MLv	15301795	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.76	93.2	Pg	08:34:15.500	0.1					T__		0.4		---		15301796	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	0.76	93.2	Lg	08:34:26.096	-0.7					T__				---		15301797	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.76	93.2	Lg	08:34:26.400	-0.4					T__		0.4		---		15301798	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.5 0)																								
SRO	1.00	224.4	Lg	08:34:35.408	-0.8					T__				---		15301799	FDSN	SK	--	BUD	iLoc	EHE	???	_
NIE	1.09	35.2	Pn	08:34:24.400	2.2					T__		25.3		---	MLv	15301800	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 1.5 1)																								
JAVC	1.16	287.1	Lg	08:34:40.395	-0.9					T__				---		15301801	FDSN	CZ	--	BUD	iLoc	BHN	???	_
JAVC	1.16	287.1	Pn	08:34:23.600	0.3					T__				---		15301802	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	1.16	287.1	Lg	08:34:40.500	-0.8					T__				---		15301803	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	1.28	99.8	Pg	08:34:27.100	1.7					T__		59.9		---	MLv	15301804	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	1.28	99.8	Sn	08:34:43.800	0.5					T__		0.1		---		15301805	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	1.28	99.8	Lg	08:34:44.550	0.3					T__				---		15301806	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 2.0 1)																								
A268A	1.46	221.6	Lg	08:34:50.772	-0.2					T__				---		15301807	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MORC	1.72	317.1	Sn	08:34:54.383	-1.1					T__				---		15301808	FDSN	CZ	--	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
 2019/05/21 12:23:11.00 2.42 0.75 48.6168 18.7611 19.1 6.2 17 0.0S 8 6 166 0.13 1.41 m sx BUD 15301834 iLoc 203
 (description : suspected quarry blast)
 (locality : Podhradie Slovakia)

Magnitude Err Nsta Author OrigID

Sta	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	0.13	157.9	Pg	12:23:14.327	0.4					T__		222.4		_c_	MLv	15301836	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.13	157.9	Lg	12:23:15.470	-0.8					T__				---		15301837	FDSN	SK	--	BUD	iLoc	HHN	???	_
A335A	0.33	239.1	Lg	12:23:23.673	0.4					T__				---		15301838	FDSN	Z3	00	BUD	iLoc	HHN	???	_
JAVC	0.76	289.0	Pn	12:23:28.384	-0.1					T__				---		15301839	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MODS	1.02	256.7	Pn	12:23:32.504	0.6					T__				---		15301840	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	1.02	256.7	Lg	12:23:45.868	-1.1					T__				---		15301841	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	1.03	132.3	Pn	12:23:31.327	-0.6					T__		44.1		---	MLv	15301842	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
MORC	1.41	325.9	Sn	12:23:58.332	0.0					T__				---		15301843	FDSN	CZ	--	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
 2019/05/21 23:36:49.53 0.79 0.98 47.5614 18.9591 4.4 3.0 135 7.6F 5.3 30 16 86 0.09 1.70 m ke BUD 15301852 iLoc 125

Magnitude Err Nsta Author OrigID
 ML 1.6 0.2 14 ILOC 15301852

Sta	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	0.09	150.5	Pg	23:36:52.195	0.1					T__		479.2		_c_	MLv	15301854	FDSN	HU	--	BUD	iLoc	BH	BHZ	_		
BUD	0.09	150.5	Lg	23:36:53.700	-0.5					T__				---		15301855	FDSN	HU	--	BUD	iLoc	BHE	???	_		
(Station ML : 1.2 1																										
A270A	0.29	8.0	Pg	23:36:56.375	0.7					T__		267.9		---	MLv	15301856	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
A270A	0.29	8.0	Lg	23:37:01.014	0.5					T__				---		15301857	FDSN	Z3	00	BUD	iLoc	HHN	???	_		
(Station ML : 1.5 1																										
A269A	0.40	281.4	Pg	23:36:57.907	0.2					T__		226.0		---	MLv	15301858	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
A269A	0.40	281.4	Lg	23:37:03.436	-0.9					T__				---		15301859	FDSN	Z3	00	BUD	iLoc	HHN	???	_		
(Station ML : 1.8 1																										
CSKK	0.51	247.6	Pg	23:36:59.596	-0.3					T__		172.6		---	MLv	15301860	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
CSKK	0.51	247.6	Lg	23:37:07.039	-1.3					T__				---		15301861	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Station ML : 2.0 0																										
A267A	0.70	208.0	Pg	23:37:03.221	-0.1					T__		66.7		---	MLv	15301862	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
A267A	0.70	208.0	Lg	23:37:13.525	-0.7					T__				---		15301863	FDSN	Z3	00	BUD	iLoc	HHN	???	_		
(Station ML : 1.7 1																										
A268A	0.71	259.9	Pn	23:37:05.469	0.8					T__		41.8		---	MLv	15301864	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
A268A	0.71	259.9	Lg	23:37:15.400	0.6					T__				---		15301865	FDSN	Z3	00	BUD	iLoc	HHE	???	_		
(Station ML : 1.5 1																										
PSZ	0.73	60.2	Pn	23:37:04.525	-0.4					T__		36.1		---	MLv	15301866	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	0.73	60.2	Lg	23:37:14.875	-1.0					T__				---		15301867	FDSN	GE	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.5 1																										
VYHS	0.94	355.0	Pg	23:37:08.427	0.0					T__		6.9		---	MLv	15301868	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_		
VYHS	0.94	355.0	Lg	23:37:20.301	-1.8					T__				---		15301869	FDSN	SK	--	BUD	iLoc	HHN	???	_		
(Station ML : 0.9 0																										
A335A	0.98	334.9	Pg	23:37:09.279	0.1					T__		39.4		---	MLv	15301870	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
A335A	0.98	334.9	Sn	23:37:22.034	-1.5					T__				---		15301871	FDSN	Z3	00	BUD	iLoc	HHE	???	_		
(Station ML : 1.6 1																										
MPLH	1.04	248.4	Pg	23:37:10.946	0.9					T__		24.6		---	MLv	15301872	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_		
MPLH	1.04	248.4	Lg	23:37:25.521	0.4					T__				---		15301873	FDSN	HU	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.5 1																										
EGYH	1.11	263.1	Pg	23:37:12.526	1.0					T__		59.8		---	MLv	15301874	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
EGYH	1.11	263.1	Lg	23:37:28.324	0.8					T__				---		15301875	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Station ML : 1.9 1																										
A266A	1.14	204.9	Pg	23:37:12.014	0.1					T__		132.5		---	MLv	15301876	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
(Station ML : 2.3 0																										
MORH	1.36	189.2	Pg	23:37:15.948	-0.2					T__		6.2		---	MLv	15301877	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_		
MORH	1.36	189.2	Sn	23:37:32.907	0.8					T__				---		15301878	FDSN	HU	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.0 0																										
A265A	1.39	215.4	Lg	23:37:36.227	0.2					T__				---		15301879	FDSN	Z3	00	BUD	iLoc	HHN	???	_		
KOVH	1.59	202.1	Pn	23:37:16.500	-0.1					T__		0.0		---		15301880	FDSN	IR	--	ISC	iLoc	???	???	_		
KOVH	1.59	202.1	Lg	23:37:40.594	-1.9					T__				---		15301881	FDSN	HU	--	BUD	iLoc	BHN	???	_		
ABAH	1.70	63.5	Pn	23:37:19.870	1.7					T__		21.3		---	MLv	15301882	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
ABAH	1.70	63.5	Sn	23:37:42.181	1.8					T__				---		15301883	FDSN	HU	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/05/22	07:33:41.32	1.26	1.25	47.3777	18.3876	10.4	4.5	147	0.0S	10	9	79	0.09	5.10	m	sx	BUD	15301942	iLoc			138
(description : suspected quarry blast)																						
(locality : Gánt Hungary)																						

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	260.6	Pg	07:33:43.397	-0.3					T__		1578.2			MLv	15301944	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.09	260.6	Lg	07:33:45.155	-1.0					T__						15301945	FDSN	HU	--	BUD	iLoc	HHN	???	_
A269A	0.26	359.2	Lg	07:33:51.652	-0.3					T__						15301946	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A268A	0.32	279.8	Lg	07:33:55.451	1.5					T__						15301947	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MPLH	0.61	250.5	Lg	07:34:04.137	1.0					T__						15301948	FDSN	HU	--	BUD	iLoc	BHE	???	_
A270A	0.63	42.2	Lg	07:34:05.486	0.6					T__						15301949	FDSN	Z3	00	BUD	iLoc	HHN	???	_
PSZ	1.15	61.5	Sn	07:34:21.134	-0.6					T__						15301950	FDSN	GE	--	BUD	iLoc	BHN	???	_
MORH	1.18	171.3	Sn	07:34:20.524	-0.9					T__						15301951	FDSN	HU	--	BUD	iLoc	BHN	???	_
VOIR	5.00	110.4	Pg	07:35:19.611	1.6					T__						15301952	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	5.00	110.4	Sn	07:35:22.372	-33.0					T__						15301953	FDSN	IR	--	ISC	iLoc	???	???	_
MTUR	5.10	112.5	Pg	07:35:18.318	-1.5					T__						15301954	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/05/22	10:08:02.13	0.98	0.61	48.4568	19.1844	8.6	4.2	46	0.0S	10	6	88	0.23	1.08	m	sx	BUD	15301959	iLoc			155
(description : suspected quarry blast)																						
(locality : Krupina Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.3	5 ILOC	15301959

Sta	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	0.23	279.2	Pg	10:08:07.562	0.4					T__		120.3			MLv	15301961	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.23	279.2	Lg	10:08:10.615	-0.3					T__						15301962	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.0 0)																								
A270A	0.62	190.3	Pg	10:08:14.945	-0.0					T__		158.2			MLv	15301963	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A270A	0.62	190.3	Lg	10:08:25.023	0.0					T__						15301964	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 2.0 1)																								
PSZ	0.72	138.3	Pn	10:08:18.045	-0.6					T__		40.5			MLv	15301965	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.72	138.3	Lg	10:08:28.529	0.1					T__						15301966	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.5 1)																								
LANS	0.72	15.0	Pn	10:08:19.318	-0.2					T__		65.1			MLv	15301967	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 1.7 1)																								
KECS	0.87	87.8	Pn	10:08:21.251	0.7					T__		1729.6			MLv	15301968	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.87	87.8	Sn	10:08:34.279	-0.9					T__						15301969	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 3.2 0)																								
JAVC	1.08	292.4	Lg	10:08:39.776	-0.7					T__						15301970	FDSN	CZ	--	BUD	iLoc	BHE	???	_

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

2019/05/22 10:25:23.62 0.91 1.01 47.5566 18.4362 5.5 3.0 108 0.0S 12 9 104 0.09 1.35 m kx BUD 15301992 iLoc 120
 2019/05/22 10:25:23.53f 0.91 47.5600 18.4573f 0.0S 12 105 0.09 1.35 a kx BUD_GT 15327943 BUD 121

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

Magnitude Err Nsta Author OrigID
 ML 1.6 0.8 3 BUD 15301992
 ML 1.7 0.7 3 ILOC 15327943

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A269A	0.09	327.2	Pg	10:25:26.346	0.4					T__		4124.1		---	MLv	15329659	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A269A	0.09	327.2	Lg	10:25:28.164	-0.1					T__				---		15329660	FDSN	Z3	00	BUD	BUD	HHN	???	_
(Station ML : 2.2 1)																								
CSKK	0.24	214.2	Pg	10:25:28.789	-0.0					T__		522.8		---	MLv	15329661	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.24	214.2	Lg	10:25:32.447	-1.0					T__				---		15329662	FDSN	HU	--	BUD	BUD	HHN	???	_
(Station ML : 1.7 1)																								
A268A	0.38	250.6	Lg	10:25:37.893	-0.4					T__				---		15329663	FDSN	Z3	00	BUD	BUD	HHE	???	_
A270A	0.47	52.8	Lg	10:25:42.036	0.5					T__				---		15329664	FDSN	Z3	00	BUD	BUD	HHE	???	_
A267A	0.61	178.4	Lg	10:25:46.707	0.7					T__				---		15329665	FDSN	Z3	00	BUD	BUD	HHN	???	_
VYHS	0.97	15.1	Pn	10:25:43.592	0.1					T__		10.2		---	MLv	15329666	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
VYHS	0.97	15.1	Lg	10:25:56.620	-0.8					T__				---		15329667	FDSN	SK	--	BUD	BUD	HHN	???	_
(Station ML : 1.0 1)																								
PSZ	1.03	69.2	Sn	10:26:01.375	0.2					T__				---		15329668	FDSN	GE	--	BUD	BUD	HHN	???	_
MODS	1.14	316.2	Sn	10:26:01.228	-2.4					T__				---		15329669	FDSN	SK	--	BUD	BUD	HHE	???	_
MORH	1.35	174.5	Sn	10:26:06.748	-1.3					T__				---		15329670	FDSN	HU	--	BUD	BUD	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/05/24	08:08:27.84	1.42	0.95	46.1227	18.0998	12.6	4.3	129	0.0S	7	4	116	0.03	1.12	m	kx	BUD	15283565	iLoc			212
2019/05/24	08:08:27.26f	0.97	46.1254	18.0152f					0.0S	7	129	0.07	1.10	a	kx	BUD_GT	15327947	BUD				224

(GT info : GT2 explosion)
 (description : known quarry blast)
 (locality : Bükkösd-II Hungary)

Magnitude Err Nsta Author OrigID
 ML 1.6 0.3 3 BUD 15283565
 ML 1.7 0.2 3 ILOC 15327947

Sta	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	122.2	Pg	08:08:29.089	-0.3					T__		1547.3		---	MLv	15329671	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.07	122.2	Lg	08:08:30.870	-0.4					T__				---		15329672	FDSN	HU	--	BUD	BUD	BHZ	???	_
(Station ML : 1.7 1)																								
A273A	0.25	213.6	Lg	08:08:38.593	1.9					T__				---		15329673	FDSN	Z3	00	BUD	BUD	HHN	???	_
MORH	0.45	78.1	Pg	08:08:35.806	-0.8					T__		13.3		---	MLv	15329674	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.45	78.1	Lg	08:08:43.083	-0.7					T__				---		15329675	FDSN	HU	--	BUD	BUD	BHZ	???	_
(Station ML : 0.7 1)																								
MPLH	1.10	342.8	Pg	08:08:50.513	1.3					T__		48.9		---	MLv	15329676	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MPLH	1.10	342.8	Sn	08:09:04.610	-0.3					T__				---		15329677	FDSN	HU	--	BUD	BUD	BHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/05/24	08:37:07.83	1.17	0.60	48.2608	21.2291	12.7	6.3	9	0.0S	9	6	151	0.04	1.19	m	kx	BUD	15283587	iLoc			196
2019/05/24	08:37:07.52f		0.51	48.2470	21.2460f				0.0S	9		153	0.05	1.19	a	kx	BUD_GT	15327951	BUD			198

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

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	08:37:09.229	0.1					T__		7229.8			MLv	15329678	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
ABAH	0.05	355.1	Lg	08:37:10.135	-0.6					T__						15329679	FDSN	HU	--	BUD	BUD	HHE	???	_
KECS	0.56	295.3	Lg	08:37:27.287	-0.1					T__						15329680	FDSN	SK	--	BUD	BUD	EHE	???	_
HOLU	0.81	69.3	Pn	08:37:24.940	-0.1					T__						15329681	FDSN	UA	--	BUD	BUD	MHZ	???	_
HOLU	0.81	69.3	Lg	08:37:37.492	0.7					T__						15329682	FDSN	UA	--	BUD	BUD	MHZ	???	_
TRPA	0.87	97.2	Pn	08:37:25.345	-0.5					T__		18.5			MLv	15329683	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
TRPA	0.87	97.2	Lg	08:37:38.717	-0.3					T__						15329684	FDSN	HU	--	BUD	BUD	BHN	???	_
PSZ	0.96	250.6	Lg	08:37:42.008	-0.3					T__						15329685	FDSN	GE	--	BUD	BUD	BHE	???	_
STZU	1.19	49.4	Pn	08:37:31.732	1.0					T__						15329686	FDSN	UA	--	BUD	BUD	MHZ	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/05/24	18:31:22.62	0.91	0.90	47.8564	18.6495	4.3	3.1	128	5.0A	10	6	115	0.23	0.65	m	ke	BUD	15284781	iLoc				197

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.1	5 ILOC	15284781

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L			
SRO	0.23	259.3	Pg	18:31:28.419	0.9					T__		282.9			MLv	15284783	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_			
SRO	0.23	259.3	Lg	18:31:30.888	-0.6					T__						15284784	FDSN	SK	--	BUD	iLoc	EHE	???	_			
				(Station ML : 1.4 1																							
A270A	0.25	92.4	Pg	18:31:28.562	0.6					T__		48.5			MLv	15284785	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_			
				(Station ML : 0.7 1																							
A269A	0.28	219.7	Lg	18:31:33.354	-0.0					T__						15284786	FDSN	Z3	00	BUD	iLoc	HHE	???	_			
CSKK	0.56	208.2	Pg	18:31:33.963	0.1					T__		34.9			MLv	15284787	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_			
CSKK	0.56	208.2	Lg	18:31:41.524	-1.4					T__						15284788	FDSN	HU	--	BUD	iLoc	HHE	???	_			
				(Station ML : 1.4 1																							
A335A	0.63	340.6	Pg	18:31:35.576	0.3					T__		39.9			MLv	15284789	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_			
A335A	0.63	340.6	Lg	18:31:43.728	-1.1					T__						15284790	FDSN	Z3	00	BUD	iLoc	HHE	???	_			
				(Station ML : 1.5 0																							
VYHS	0.65	11.0	Pg	18:31:36.333	0.5					T__		5.5			MLv	15284791	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_			
VYHS	0.65	11.0	Lg	18:31:44.730	-0.5					T__						15284792	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	
2019/05/25	00:57:10.00	0.88	1.64	47.8519	18.6067	3.8	2.7	135	11.5F	9.7	18	11	94	0.20	0.99	m	ke	BUD	15285114	iLoc			114

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.2	7 ILOC	15285114

Sta	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	0.20	259.0	Pg	00:57:15.572	0.9					T__		331.9		---	MLv	15285116	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
SR0	0.20	259.0	Lg	00:57:18.408	-0.1					T__				---		15285117	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 1.4 1)																								
A269A	0.26	215.4	Pg	00:57:15.229	-0.5					T__		149.5		---	MLv	15285118	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A269A	0.26	215.4	Lg	00:57:18.963	-1.5					T__				---		15285119	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 1.2 1)																								
A270A	0.28	91.2	Pg	00:57:16.667	0.5					T__		35.1		---	MLv	15285120	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A270A	0.28	91.2	Lg	00:57:20.826	-0.1					T__				---		15285121	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 0.6 0)																								
CSKK	0.54	205.7	Pg	00:57:21.115	0.2					T__		52.5		---	MLv	15285122	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.54	205.7	Lg	00:57:28.854	-1.1					T__				---		15285123	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.5 1)																								
A335A	0.62	343.2	Pg	00:57:23.042	0.4					T__		48.7		---	MLv	15285124	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A335A	0.62	343.2	Lg	00:57:31.545	-0.7					T__				---		15285125	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 1.5 0)																								
A268A	0.62	227.9	Pg	00:57:23.266	0.7					T__		30.3		---	MLv	15285126	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A268A	0.62	227.9	Lg	00:57:32.429	0.1					T__				---		15285127	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 1.3 1)																								
VYHS	0.66	13.4	Pg	00:57:23.753	0.3					T__		6.6		---	MLv	15285128	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.66	13.4	Lg	00:57:32.226	-0.8					T__				---		15285129	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 0.7 1)																								
PSZ	0.87	85.1	Sn	00:57:35.407	-5.4					T__				---		15285130	FDSN	GE	--	BUD	iLoc	BHE	???	_
A267A	0.91	185.4	Lg	00:57:42.510	0.6					T__				---		15285131	FDSN	Z3	00	BUD	iLoc	HHN	???	_
EGYH	0.97	243.6	Lg	00:57:43.854	1.0					T__				---		15285132	FDSN	HU	--	BUD	iLoc	HHN	???	_
MPLH	0.99	227.1	Sn	00:57:43.600	0.5					T__				---		15285133	FDSN	HU	--	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	
2019/05/27	09:57:55.07	1.27	0.21	47.9173	20.1276	10.3	6.6	19	0.0S		6	4	118	0.16	1.04	m	kx BUD	15285214	iLoc			219	
2019/05/27	09:57:54.89f		0.92	47.8650	20.1529f				0.0S		6		123	0.18	1.08	a	kx BUD_GT	15327955	BUD			228	
(GT info : GT2 explosion)																							
(description : known quarry blast)																							
(locality : Kismána Hungary)																							

Magnitude Err Nsta Author OrigID

Sta	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	287.2	Pg	09:57:58.987	-0.4					T__		1121.8		---	MLv	15329687	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.18	287.2	Lg	09:58:02.447	-0.6					T__				---		15329688	FDSN	GE	--	BUD	BUD	BHN	???	_
HU23A	0.24	163.9	Lg	09:58:06.670	2.1					T__				---		15329689	FDSN	ZJ	00	BUD	BUD	HHN	???	_
ABAH	0.85	59.0	Pn	09:58:12.524	-0.2					T__		66.2		---	MLv	15329690	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
ABAH	0.85	59.0	Lg	09:58:25.450	-0.1					T__				---		15329691	FDSN	HU	--	BUD	BUD	HHN	???	_
VYHS	1.08	306.0	Lg	09:58:32.502	-0.0					T__				---		15329692	FDSN	SK	--	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/05/27	12:55:28.68	2.10	1.25	48.5816	20.8134	19.1	4.4	9	0.0S		9	4	228	0.24	1.32	m	sx BUD	15285448	iLoc			316	
(description : suspected quarry blast)																							
(locality : Dvorniky-Vcelare Slovakia)																							

Magnitude Err Nsta Author OrigID
 ML 1.5 0.5 4 ILOC 15285448

Sta	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	245.8	Pg	12:55:33.648	-0.0					T__		902.0		---	MLv	15285450	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.24	245.8	Lg	12:55:38.008	0.5					T__				---		15285451	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.9 1)																								
ABAH	0.40	135.0	Pg	12:55:37.290	0.3					T__		71.7		---	MLv	15285452	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.40	135.0	Lg	12:55:43.075	-0.9					T__				---		15285453	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.3 1)																								
PSZ	0.90	223.1	Pn	12:55:47.462	-0.3					T__		47.9		---	MLv	15285454	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.90	223.1	Lg	12:56:01.162	-0.1					T__				---		15285455	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.7 1)																								
VYHS	1.32	266.9	Sn	12:56:10.400	-2.7					T__		0.0		---		15285456	FDSN	IR	--	ISC	iLoc	???	???	_
VYHS	1.32	266.9	Pg	12:55:55.054	-0.1					T__		5.4		---	MLv	15285457	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.32	266.9	Sn	12:56:12.299	-0.8					T__				---		15285458	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
 2019/05/28 07:13:29.24 1.04 0.72 47.9473 19.2138 8.7 3.8 166 0.0S 5 3 142 0.17 0.77 m sx BUD 15285696 iLoc 281
 (description : suspected quarry blast)
 (locality : Sejce-Vác Hungary)

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
A270A	0.17	232.2	Pg	07:13:33.291	0.2					T__		212.8		---	MLv	15285698	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A270A	0.17	232.2	Lg	07:13:36.037	-0.3					T__				---		15285699	FDSN	Z3	00	BUD	iLoc	HHN	???	_
PSZ	0.46	93.4	Pg	07:13:39.720	0.4					T__		38.4		---	MLv	15285700	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.46	93.4	Lg	07:13:45.979	-0.8					T__				---		15285701	FDSN	GE	--	BUD	iLoc	BHN	???	_
A335A	0.77	310.7	Lg	07:13:56.630	-0.3					T__				---		15285702	FDSN	Z3	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
 2019/05/28 08:32:50.35 1.03 0.88 48.5718 20.7404 7.4 3.8 179 0.0S 12 8 91 0.19 1.27 m sx BUD 15285847 iLoc 129
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.5 0.2 6 ILOC 15285847

Sta	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	242.5	Pg	08:32:54.350	-0.0					T__		1165.9		---	MLv	15285849	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.19	242.5	Lg	08:32:58.423	0.9					T__				---		15285850	FDSN	SK	--	BUD	iLoc	EHZ	???	_
(Station ML : 1.9 0)																								
ABAH	0.43	129.5	Pg	08:32:59.425	0.2					T__		91.5		---	MLv	15285851	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.43	129.5	Lg	08:33:06.071	-0.6					T__				---		15285852	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.5 1)																								
PSZ	0.86	221.2	Pg	08:33:07.644	-0.9					T__		65.4		---	MLv	15285853	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_

PSZ	0.86	221.2	Lg	08:33:21.209	-0.4	T__								15285854	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.8 1)																						
NIE	0.89	341.8	Pn	08:33:10.974	1.7	T__				20.6		MLv		15285855	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 1.3 1)																						
LANS	1.02	305.1	Pg	08:33:10.112	-0.4	T__				35.6		MLv		15285856	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 1.6 1)																						
KOLS	1.08	69.8	Lg	08:33:27.724	0.3	T__								15285857	FDSN	SK	--	BUD	iLoc	HHE	???	_
HOLU	1.09	91.7	Pg	08:33:11.042	-0.2	T__								15285858	FDSN	UA	--	BUD	iLoc	MHZ	???	_
VYHS	1.27	267.2	Pn	08:33:15.023	0.6	T__				6.2		MLv		15285859	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.27	267.2	Sn	08:33:32.347	-1.2	T__								15285860	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
2019/05/28	09:32:05.66	1.79	0.69	47.8437	19.8192	17.0	6.3	41	0.0S		4	3	190	0.09	0.93	m	sx	BUD	15285932	iLoc		280
(description : suspected quarry blast)																						
(locality : Gyöngyöstarján Hungary)																						

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	0.09	34.1	Pg	09:32:08.544	0.3					T__		1999.2			MLv	15285934	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.09	34.1	Lg	09:32:10.173	-0.5					T__						15285935	FDSN	GE	--	BUD	iLoc	BHN	???	_
HU23A	0.36	125.0	Lg	09:32:19.158	-0.3					T__						15285936	FDSN	ZJ	00	BUD	iLoc	HHZ	???	_
VYHS	0.93	315.0	Lg	09:32:37.695	-0.3					T__						15285937	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
2019/05/29	07:51:06.08	1.72	2.92	46.9048	17.4167	17.4	5.2	138	0.0S		5	4	111	0.19	1.09	m	sx	BUD	15286051	iLoc		208
(description : suspected quarry blast)																						
(locality : Várvölgy Hungary)																						

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	0.19	284.5	Pg	07:51:10.751	0.2					T__		1447.3			MLv	15286053	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
MPLH	0.28	17.5	Pg	07:51:12.325	0.1					T__		272.9			MLv	15286054	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.28	17.5	Lg	07:51:16.600	-0.4					T__						15286055	FDSN	HU	--	BUD	iLoc	BHN	???	_
BEHE	0.62	225.7	Lg	07:51:26.727	-0.8					T__						15286056	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORH	1.09	128.7	Sn	07:51:47.745	4.0					T__						15286057	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/05/29	07:59:58.85	1.11	0.77	48.5613	20.7708	7.2	4.5	6	0.0S		15	8	164	0.21	2.94	m	sx	BUD	15286329	iLoc		187
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
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ML	1.3	0.1	7	ILOC	15286329
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Sta	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	247.7	Pg	08:00:03.124	-0.0					T__		1399.0		---	MLv	15286331	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.21	247.7	Lg	08:00:06.700	0.2					T__		1.4		---		15286332	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	0.21	247.7	Lg	08:00:07.048	0.5					T__				---		15286333	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 2.0 0)																								
ABAH	0.41	130.2	Pg	08:00:07.797	0.5					T__		58.7		---	MLv	15286334	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.41	130.2	Lg	08:00:13.377	-1.0					T__				---		15286335	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.2 1)																								
HU02A	0.47	200.6	Pg	08:00:08.816	0.0					T__		45.1		---	MLv	15286336	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.47	200.6	Lg	08:00:15.534	-0.9					T__				---		15286337	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 1.3 1)																								
PSZ	0.87	222.6	Pg	08:00:16.797	-0.4					T__		33.7		---	MLv	15286338	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.87	222.6	Lg	08:00:30.863	0.6					T__				---		15286339	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.5 1)																								
LANS	1.04	304.9	Pg	08:00:18.963	-0.5					T__		40.2		---	MLv	15286340	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 1.7 1)																								
TRPA	1.26	109.4	Pg	08:00:23.444	0.4					T__		11.6		---	MLv	15286341	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
TRPA	1.26	109.4	Sn	08:00:39.837	-1.8					T__				---		15286342	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.3 1)																								
VYHS	1.29	267.7	Pn	08:00:23.444	0.2					T__		5.6		---	MLv	15286343	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.29	267.7	Sn	08:00:41.907	-0.7					T__				---		15286344	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.0 0)																								
KRUC	2.94	281.5	Pn	08:00:46.900	0.6					T__				---		15286345	FDSN	IR	--	ISC	iLoc	???	???	_
TIRR	6.68	125.1	Pg	08:02:13.184	7.8					---				---		15286346	FDSN	IR	--	ISC	iLoc	???	???	_
TIRR	6.68	125.1	Sn	08:02:14.955	-42.3					---				---		15286347	FDSN	IR	--	ISC	iLoc	???	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2019/05/29 08:28:59.26 2.85 0.95 47.3756 18.3539 23.9 6.0 129 0.0S 6 5 108 0.06 1.18 m sx BUD 15286440 iLoc 188
(description : suspected quarry blast)
(locality : Gánt Hungary)

Magnitude Err Nsta Author OrigID

Sta	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	259.0	Pg	08:29:01.220	-0.0					T__		1499.0		---	MLv	15286442	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.06	259.0	Lg	08:29:02.900	-0.4					T__				---		15286443	FDSN	HU	--	BUD	iLoc	HHN	???	_
A269A	0.26	4.2	Lg	08:29:10.089	0.1					T__				---		15286444	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MPLH	0.59	250.0	Lg	08:29:20.865	0.5					T__				---		15286445	FDSN	HU	--	BUD	iLoc	BHN	???	_
PSZ	1.17	61.9	Sn	08:29:39.134	-1.1					T__				---		15286446	FDSN	GE	--	BUD	iLoc	BHE	???	_
MORH	1.18	170.1	Sn	08:29:38.371	-1.0					T__				---		15286447	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2019/05/29 08:59:01.26 0.98 0.70 48.0144 19.4022 12.7 3.9 171 0.0S 10 6 130 0.31 0.86 m kx BUD 15286499 iLoc 195
2019/05/29 08:59:01.78f 0.55 47.8920 19.4049f 0.0S 10 174 0.26 0.93 a kx BUD_GT 15327973 BUD 222
(GT info : GT2 explosion)
(description : known quarry blast)
(locality : Bercel Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.3	5 BUD	15286499
ML	1.6	0.1	5 ILOC	15327973

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A270A	0.26	259.9	Pg	08:59:07.853	0.3					T__		400.8		---	MLv	15329693	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A270A	0.26	259.9	Lg	08:59:13.403	1.1					T__				---		15329694	FDSN	Z3	00	BUD	BUD	HHE	???	_
(Station ML : 1.6 1																								
PSZ	0.33	85.2	Pg	08:59:08.903	-0.4					T__		123.7		---	MLv	15329695	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.33	85.2	Lg	08:59:15.010	0.1					T__				---		15329696	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.3 1																								
VVHS	0.71	327.9	Pg	08:59:17.147	0.8					T__		10.6		---	MLv	15329697	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
VVHS	0.71	327.9	Lg	08:59:26.511	-0.4					T__				---		15329698	FDSN	SK	--	BUD	BUD	HHN	???	_
(Station ML : 0.9 0																								
HU02A	0.79	72.6	Pg	08:59:17.917	-0.2					T__		43.2		---	MLv	15329699	FDSN	ZJ	00	BUD	BUD	HHE	HHZ	_
HU02A	0.79	72.6	Sn	08:59:32.283	-0.8					T__				---		15329700	FDSN	ZJ	00	BUD	BUD	HHN	???	_
(Station ML : 1.6 1																								
A335A	0.91	308.2	Lg	08:59:33.933	-0.2					T__				---		15329701	FDSN	Z3	00	BUD	BUD	HHZ	???	_
KECS	0.93	50.3	Pn	08:59:20.811	-0.2					T__		83.2		---	MLv	15329702	FDSN	SK	--	BUD	BUD	EHZ	EHZ	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/05/29	22:52:20.30	0.08	0.22	47.7941	17.2657	0.8	0.3	145	12.7F	0.6	39	165	0.15	1.64	a	ke	IPEC	15274216	ISC			360
2019/05/29	22:52:21.30			47.8300	17.2000				1.0A		18				a	ke	PRU	15274219	ISC			360
2019/05/29	22:52:19.75	0.36	0.60	47.7618	17.2374	3.5	2.6	174	18.4F	1.4	31	1	0.64	2.72	a	ke	VIE	15274212	ISC			360
2019/05/29	22:52:19.22	0.74	1.11	47.8349	17.2733	2.8	2.7	128	6.3F	7.3	70	30	34	0.42	2.81	m	ke	BUD	15286651	iLoc		48

Magnitude	Err	Nsta	Author	OrigID
ML	1.8		IPEC	15274216
mb	1.7		VIE	15274212
m1	2.0		VIE	15274212
ML	2.2	0.4	14 ILOC	15286651

Sta	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	0.42	174.6	Pg	22:52:28.203	0.4					T__		489.6		---	MLv	15286653	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
EGYH	0.42	174.6	Lg	22:52:34.657	0.6					T__				---		15286654	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 2.2 1																								
SOP	0.51	252.8	Pg	22:52:29.243	-0.1					T__		131.7		---	MLv	15286655	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
SOP	0.51	252.8	Lg	22:52:35.787	-0.5					T__				---		15286656	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.8 1																								
MODS	0.54	0.3	Pg	22:52:30.603	0.4					T__				---		15286657	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.54	0.3	Lg	22:52:38.613	0.1					T__				---		15286658	FDSN	SK	--	BUD	iLoc	HHE	???	_
A260A	0.67	215.0	Pg	22:52:32.290	-0.3					T__		543.4		---	MLv	15286659	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A260A	0.67	215.0	Lg	22:52:41.938	0.4					T__				---		15286660	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 2.6 1																								
RONA	0.67	258.8	Pg	22:52:32.293	-0.4					T__		5.7	0.12	---		15286661	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.67	258.8	Lg	22:52:41.196	-0.4					T__		20.9	0.16	---		15286662	FDSN	IR	--	ISC	iLoc	???	???	_
MPLH	0.69	164.7	Pg	22:52:32.860	-0.0					T__		126.4		---	MLv	15286663	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.69	164.7	Lg	22:52:42.978	0.1					T__				---		15286664	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 2.0 1																								
SRO	0.70	91.4	Pg	22:52:33.559	0.3					T__		1192.6		---	MLv	15286665	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
SRO	0.70	91.4	Sn	22:52:44.912	-1.3					T__				---		15286666	FDSN	SK	--	BUD	iLoc	EHN	???	_

MOA	2.03	271.5	Pn	22:52:52.215	-1.3	T__	0.3	0.14	---	15286710	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	2.03	271.5	Sn	22:53:16.609	-2.3	T__	2.8	0.46	---	15286711	FDSN	IR	--	ISC	iLoc	???	???	_
CKRC	2.21	297.6	Pg	22:53:00.100	-0.8	T__			---	15286712	FDSN	IR	--	ISC	iLoc	???	???	_
CKRC	2.21	297.6	Lg	22:53:29.800	-1.0	T__	4.0	0.30	---	15286713	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	2.28	235.5	Lg	22:53:34.464	2.1	T__			---	15286714	FDSN	OE	--	BUD	iLoc	HHE	???	_
OBKA	2.28	235.5	Pn	22:52:56.036	-1.2	T__	1.1	0.26	---	15286715	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	2.28	235.5	Sn	22:53:22.934	-2.4	T__	1.9	0.46	---	15286716	FDSN	IR	--	ISC	iLoc	???	???	_
KBA	2.77	255.6	Pn	22:53:02.464	-2.0	T__	0.3	0.22	---	15286717	FDSN	IR	--	ISC	iLoc	???	???	_
KBA	2.77	255.6	Sn	22:53:36.140	-1.8	T__	0.6	0.42	---	15286718	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	2.78	299.2	Pn	22:53:06.500	2.8	T__			---	15286719	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	2.78	299.2	Pg	22:53:10.100	-1.6	T__			---	15286720	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	2.78	299.2	Lg	22:53:48.500	-0.4	T__	3.7	0.30	---	15286721	FDSN	IR	--	ISC	iLoc	???	???	_
PRU	2.81	321.1	Lg	22:53:50.500	1.6	T__	5.1	0.40	---	15286722	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/05/30	07:43:19.31	1.33	0.93	47.5596	18.4593	10.8	3.7	100	0.0S		10	7	145	0.09	1.14	m	kx BUD	15286832	iLoc			199
2019/05/30	07:43:19.33f		0.77	47.5600	18.4573f				0.0S		10		145	0.09	1.14	a	kx BUD_GT	15327977	BUD			199
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Tatabánya Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.2	0.3	3 BUD	15286832
ML	1.2	0.3	3 ILOC	15327977

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
A269A	0.09	327.2	Pg	07:43:22.048	0.3					T__		2612.8		---	MLv	15329703	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A269A	0.09	327.2	Lg	07:43:23.706	-0.4					T__				---		15329704	FDSN	Z3	00	BUD	BUD	HHN	???	_
(Station ML : 2.0 1																								
CSKK	0.24	214.2	Pg	07:43:24.930	0.3					T__		165.2		---	MLv	15329705	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.24	214.2	Lg	07:43:28.396	-0.8					T__				---		15329706	FDSN	HU	--	BUD	BUD	HHN	???	_
(Station ML : 1.2 1																								
A268A	0.38	250.6	Lg	07:43:34.144	0.1					T__				---		15329707	FDSN	Z3	00	BUD	BUD	HHE	???	_
MPLH	0.74	238.3	Sn	07:43:47.520	-1.3					T__				---		15329708	FDSN	HU	--	BUD	BUD	HHE	???	_
VYHS	0.97	15.1	Pn	07:43:39.541	0.2					T__		8.3		---	MLv	15329709	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
VYHS	0.97	15.1	Lg	07:43:52.824	-0.4					T__				---		15329710	FDSN	SK	--	BUD	BUD	HHN	???	_
(Station ML : 1.0 1																								
PSZ	1.03	69.2	Sn	07:43:56.950	0.0					T__				---		15329711	FDSN	GE	--	BUD	BUD	HHN	???	_
MODS	1.14	316.2	Sn	07:43:57.603	-1.8					T__				---		15329712	FDSN	SK	--	BUD	BUD	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/05/30	08:05:26.96	2.35	1.11	48.2355	21.5542	17.6	13.5	171	0.0S		11	6	155	0.22	1.16	m	sx BUD	15286906	iLoc				220
(description : suspected quarry blast)																							
(locality : Sárospatak Hungary)																							

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.6	3 ILOC	15286906

Sta	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	286.2	Pg	08:05:32.331	0.6					T__		910.9		---	MLv	15286908	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.22	286.2	Lg	08:05:35.926	-0.1					T__				---		15286909	FDSN	HU	--	BUD	iLoc	HHE	???	_
ABAH	0.22	286.2	Lg	08:05:36.200	0.2					T__		0.9		---		15286910	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.9 1																								
TRPA	0.67	98.7	Sn	08:05:53.899	-1.7					T__				---		15286911	FDSN	HU	--	BUD	iLoc	BHN	???	_
HU02A	0.70	261.0	Pg	08:05:41.636	0.1					T__		35.7		---	MLv	15286912	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.70	261.0	Lg	08:05:51.658	-0.8					T__				---		15286913	FDSN	ZJ	00	BUD	iLoc	HHZ	???	_
(Station ML : 1.4 1																								
KECS	0.75	289.6	Pg	08:05:41.778	-0.3					T__		1295.0		---	MLv	15286914	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.75	289.6	Lg	08:05:52.414	-1.0					T__				---		15286915	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 3.0 1																								
KOLS	0.85	34.1	Pn	08:05:44.839	-0.3					T__				---		15286916	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	0.85	34.1	Sn	08:05:58.289	-2.1					T__				---		15286917	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	1.16	254.7	Sn	08:06:07.688	0.2					T__				---		15286918	FDSN	GE	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/05/30	08:25:01.50	3.02	1.43	45.6189	18.4484	22.1	17.9	111	0.0S		5	3	319	0.53	0.92	m	kx BUD	15287083	iLoc			340	
2019/05/30	08:25:09.00f		0.67	45.8525	18.3977f				0.0S		5		293	0.31	0.68	a	kx BUD_GT	15327983	BUD			327	
(GT info : GT2 explosion)																							
(description : known quarry blast)																							
(locality : Nagyharsány Hungary)																							

Magnitude Err Nsta Author OrigID

Sta	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	0.31	318.7	Pg	08:25:15.819	-0.1					T__		48.0		---	MLv	15329713	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.31	318.7	Lg	08:25:21.070	0.1					T__				---		15329714	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.40	25.2	Pg	08:25:17.838	0.3					T__		31.3		---	MLv	15329715	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.40	25.2	Lg	08:25:23.802	-0.3					T__				---		15329716	FDSN	HU	--	BUD	BUD	BHN	???	_
A266A	0.68	352.2	Sn	08:25:35.217	-1.4					T__				---		15329717	FDSN	Z3	00	BUD	BUD	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/05/30	09:51:09.72	0.90	1.92	48.5588	20.7651	5.7	4.7	143	0.0S		20	12	74	0.20	5.00	m	sx BUD	15287219	iLoc			123	
(description : suspected quarry blast)																							
(locality : Dvorniky-Vcelare Slovakia)																							

Magnitude Err Nsta Author OrigID
ML 1.8 0.2 8 ILOC 15287219

Sta	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	0.20	248.0	Pg	09:51:14.245	0.3					T__		4833.9		---	MLv	15287221	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.20	248.0	Lg	09:51:17.897	0.6					T__				---		15287222	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 2.5 0																								
ABAH	0.41	129.6	Pg	09:51:18.424	0.2					T__		127.2		---	MLv	15287223	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.41	129.6	Lg	09:51:24.570	-0.7					T__				---		15287224	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.5 1																								
HU02A	0.47	200.2	Pg	09:51:19.843	0.2					T__		82.2		---	MLv	15287225	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_

HU02A	0.47	200.2	Lg	09:51:26.130	-1.0	T__	---	15287226	FDSN	ZJ	00	BUD	iLoc	HHE	???	_	
(Station ML : 1.5 0																	
PSZ	0.87	222.6	Pg	09:51:27.450	-0.5	T__	108.1	MLv	15287227	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.87	222.6	Lg	09:51:41.412	0.4	T__	---	---	15287228	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 2.0 1																	
STHS	0.91	20.0	Pn	09:51:27.578	-1.4	T__	70.2	MLv	15287229	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
STHS	0.91	20.0	Lg	09:51:40.242	-0.1	T__	---	---	15287230	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.9 1																	
LANS	1.04	305.1	Pg	09:51:30.014	-0.2	T__	55.5	MLv	15287231	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 1.8 1																	
KOLS	1.07	68.9	Lg	09:51:46.375	-0.2	T__	---	---	15287232	FDSN	SK	--	BUD	iLoc	HHE	???	_
HOLU	1.08	91.1	Pn	09:51:30.862	-0.1	T__	---	---	15287233	FDSN	UA	--	BUD	iLoc	MHZ	???	_
TRPA	1.26	109.3	Pg	09:51:33.904	-0.1	T__	52.0	MLv	15287234	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
TRPA	1.26	109.3	Sn	09:51:51.120	-1.4	T__	---	---	15287235	FDSN	HU	--	BUD	iLoc	BHZ	???	_
(Station ML : 1.9 1																	
VYHS	1.28	267.8	Pn	09:51:34.772	0.7	T__	26.0	MLv	15287236	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.28	267.8	Sn	09:51:52.129	-1.2	T__	---	---	15287237	FDSN	SK	--	BUD	iLoc	HHZ	???	_
(Station ML : 1.6 1																	
STZU	1.31	68.9	Pn	09:51:35.645	1.1	T__	---	---	15287238	FDSN	UA	--	BUD	iLoc	MHZ	???	_
BRG	5.00	300.2	Lg	09:53:49.000	2.0	T__	---	---	15287239	FDSN	IR	--	ISC	iLoc	???	???	_
BRG	5.00	300.2	Sg	09:53:54.000	7.0	T__	---	---	15287240	FDSN	IR	--	ISC	iLoc	???	???	_
BRG	5.00	300.2	Sb	09:53:59.000	12.0	---	---	---	15287241	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/05/30	11:25:42.47	1.03	0.74	47.5610	18.4378	8.3	3.6	101	0.0S		11	8	120	0.09	1.35	m	kx BUD	15287378	iLoc			158
2019/05/30	11:25:42.44f		0.41	47.5600	18.4573f				0.0S		11		121	0.09	1.35	a	kx BUD_GT	15327989	BUD			161
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Tatabánya Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.5	3 BUD	15287378
ML	1.4	0.5	3 ILOC	15327989

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A269A	0.09	327.2	Pg	11:25:44.944	0.1					T__		1778.6		---	MLv	15329718	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A269A	0.09	327.2	Lg	11:25:46.401	-0.8					T__				---	---	15329719	FDSN	Z3	00	BUD	BUD	HHN	???	_
(Station ML : 1.8 1																								
CSKK	0.24	214.2	Pg	11:25:47.523	-0.2					T__		248.5		---	MLv	15329720	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.24	214.2	Lg	11:25:52.498	0.1					T__				---	---	15329721	FDSN	HU	--	BUD	BUD	HHN	???	_
(Station ML : 1.4 1																								
A270A	0.47	52.8	Lg	11:26:00.739	0.3					T__				---	---	15329722	FDSN	Z3	00	BUD	BUD	HHN	???	_
MPLH	0.74	238.3	Sn	11:26:12.087	0.2					T__				---	---	15329723	FDSN	HU	--	BUD	BUD	HHN	???	_
EGYH	0.78	259.7	Sn	11:26:13.646	0.7					T__				---	---	15329724	FDSN	HU	--	BUD	BUD	HHN	???	_
A335A	0.89	354.8	Sn	11:26:16.368	-0.0					T__				---	---	15329725	FDSN	Z3	00	BUD	BUD	HHN	???	_
VYHS	0.97	15.1	Pn	11:26:02.829	0.4					T__		9.0		---	MLv	15329726	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
VYHS	0.97	15.1	Lg	11:26:16.875	0.6					T__				---	---	15329727	FDSN	SK	--	BUD	BUD	HHN	???	_
(Station ML : 1.0 1																								
MORH	1.35	174.5	Sn	11:26:26.798	-0.1					T__				---	---	15329728	FDSN	HU	--	BUD	BUD	BHZ	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/05/31	09:53:51.87	3.61	0.27	45.8219	17.7601	32.9	21.8	133	0.0S	4	2	329	0.36	0.79	m	kx	BUD	15287449	iLoc			344
2019/05/31	09:54:01.64f		1.01	46.1254	18.0152f				0.0S	5		261	0.07	0.45	a	kx	BUD_GT	15327993	BUD			315

(GT info : GT2 explosion)
 (description : known quarry blast)
 (locality : Bükkösd-II Hungary)

Magnitude Err Nsta Author OrigID

Sta	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	122.2	Pg	09:54:04.290	0.6					T__		303.9		---	MLv	15329729	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.07	122.2	Lg	09:54:05.460	-0.2					T__				---		15329730	FDSN	HU	--	BUD	BUD	BHN	???	_
A266A	0.44	23.3	Lg	09:54:19.610	1.7					T__				---		15329733	FDSN	Z3	00	BUD	BUD	HHN	???	_
MORH	0.45	78.1	Pn	09:54:13.989	-1.3					T__		27.1		---	MLv	15329731	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.45	78.1	Lg	09:54:17.832	-0.3					T__				---		15329732	FDSN	HU	--	BUD	BUD	BHZ	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/05/31	09:55:37.20	1.38	0.55	46.1106	18.1066	13.3	3.5	120	0.0S	6	4	148	0.02	1.13	m	kx	BUD	15287579	iLoc			265
2019/05/31	09:55:36.09f		0.61	46.1254	18.0152f				0.0S	6		220	0.07	1.10	a	kx	BUD_GT	15327997	BUD			264

(GT info : GT2 explosion)
 (description : known quarry blast)
 (locality : Bükkösd-II Hungary)

Magnitude Err Nsta Author OrigID

Sta	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	122.2	Pg	09:55:38.221	0.0					T__		907.1		---	MLv	15329734	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.07	122.2	Lg	09:55:39.595	-0.5					T__				---		15329735	FDSN	HU	--	BUD	BUD	BHN	???	_
A266A	0.44	23.3	Lg	09:55:53.403	1.1					T__				---		15329738	FDSN	Z3	00	BUD	BUD	HHE	???	_
MORH	0.45	78.1	Pg	09:55:45.346	-0.1					T__		9.7		---	MLv	15329736	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.45	78.1	Lg	09:55:52.012	-0.6					T__				---		15329737	FDSN	HU	--	BUD	BUD	BHN	???	_
MPLH	1.10	342.8	Lg	09:56:14.825	0.7					T__				---		15329739	FDSN	HU	--	BUD	BUD	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/06/03	08:09:23.36	0.80	0.31	47.5148	16.0987	5.6	2.0	166	0.0F	0.0	5	53	0.23	1.28	a	sx	VIE	15274309	ISC			360
2019/06/03	08:09:30.81	0.82	1.48	47.3238	17.6908	4.3	3.4	1	0.0S	29	23	65	0.19	1.94	m	sx	BUD	15287672	iLoc			81

(description : suspected quarry blast)
 (locality : Ugod Hungary)

Magnitude Err Nsta Author OrigID

m1 1.2 VIE 15274309
 ML 2.0 0.0 6 ILOC 15287672

Sta	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	0.19	213.9	Pg	08:09:34.054	-1.0					T__		1401.1		---	MLv	15287674	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.19	213.9	Lg	08:09:38.142	-0.4					T__				---		15287675	FDSN	HU	--	BUD	iLoc	BHN	???	_

(Station ML : 2.0 1

A268A	0.19	55.7	Pg	08:09:35.469	0.2	T__	948.2	---	MLv	15287676	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A268A	0.19	55.7	Lg	08:09:39.704	0.6	T__		---		15287677	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
(Station ML : 1.8 1																			
EGYH	0.26	290.9	Lg	08:09:40.483	-0.7	T__		---		15287678	FDSN	HU	--	BUD	iLoc	HHN	???	_	
EGYH	0.26	291.1	Lg	08:09:41.000	-0.3	T__		---		15287679	FDSN	IR	--	ISC	iLoc	???	???	_	
CSKK	0.39	84.0	Lg	08:09:46.242	0.2	T__		---		15287680	FDSN	HU	--	BUD	iLoc	HHN	???	_	
TIH	0.44	162.3	Lg	08:09:47.942	0.9	T__		---		15287681	FDSN	HU	--	BUD	iLoc	HHE	???	_	
A261A	0.52	225.1	Sn	08:09:52.127	-3.0	T__		---		15287682	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
A269A	0.56	55.9	Lg	08:09:52.710	0.7	T__		---		15287683	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
A260A	0.67	266.9	Lg	08:09:55.232	1.6	T__		---		15287684	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
SOP	0.85	295.5	Lg	08:10:00.404	1.1	T__		---		15287685	FDSN	HU	--	BUD	iLoc	BHN	???	_	
A262A	0.92	240.4	Sn	08:10:04.424	0.2	T__		---		15287686	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
RONA	1.02	292.2	Pg	08:09:27.515	-23.6	---	2.3	0.20	---	15287687	FDSN	IR	--	ISC	iLoc	???	???	_	
RONA	1.02	292.2	Lg	08:09:31.105	-33.4	---	5.6	0.24	---	15287688	FDSN	IR	--	ISC	iLoc	???	???	_	
A270A	1.04	59.4	Sn	08:10:08.723	0.8	T__		---		15287689	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
BEHE	1.06	216.7	Sn	08:10:09.642	1.7	T__		---		15287690	FDSN	HU	--	BUD	iLoc	BHN	???	_	
MODS	1.09	345.3	Sn	08:10:06.095	-3.3	T__		---		15287691	FDSN	SK	--	BUD	iLoc	HHE	???	_	
A011B	1.18	274.8	Lg	08:10:09.379	0.8	T__		---		15287692	FDSN	Z3	00	BUD	iLoc	HH2	???	_	
KOVH	1.27	167.0	Pg	08:09:56.279	0.2	T__	72.6	---	MLv	15287693	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
KOVH	1.27	167.0	Lg	08:10:13.687	-0.4	T__		---		15287694	FDSN	HU	--	BUD	iLoc	BHE	???	_	
(Station ML : 2.1 0																			
MORH	1.29	149.1	Pn	08:09:53.882	-0.9	T__	12.9	---	MLv	15287695	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
MORH	1.29	149.1	Sn	08:10:11.424	-2.1	T__		---		15287696	FDSN	HU	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.3 0																			
CONA	1.38	296.7	Pg	08:09:59.376	1.5	T__	50.0	---	MLv	15287697	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_	
CONA	1.38	296.7	Lg	08:10:15.525	-0.1	T__		---		15287698	FDSN	OE	--	BUD	iLoc	BHN	???	_	
CONA	1.38	296.7	Pn	08:09:32.545	-24.2	---	1.0	0.24	---	15287699	FDSN	IR	--	ISC	iLoc	???	???	_	
CONA	1.38	296.7	Lg	08:09:38.042	-37.6	---	1.2	0.22	---	15287700	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 2.0 1																			
A012A	1.46	281.9	Sn	08:10:18.196	0.2	T__		---		15287701	FDSN	Z3	00	BUD	iLoc	HH2	???	_	
ARSA	1.48	267.9	Sn	08:10:20.796	3.0	T__		---		15287702	FDSN	OE	--	BUD	iLoc	BHN	???	_	
JAVC	1.54	359.5	Sn	08:10:22.473	1.3	T__		---		15287703	FDSN	CZ	--	BUD	iLoc	HHE	???	_	
PSZ	1.60	67.4	Pg	08:10:04.161	-0.1	T__	38.6	---	MLv	15287704	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
(Station ML : 2.0 1																			
PTJ	1.85	220.6	Lg	08:10:29.792	-1.7	T__		---		15287705	FDSN	CR	--	BUD	iLoc	BHN	???	_	
KRUC	1.94	334.0	Lg	08:10:34.295	-2.2	T__		---		15287706	FDSN	CZ	--	BUD	iLoc	BHE	???	_	
MOA	2.38	284.0	Sn	08:10:05.682	-35.0	---	5.5	0.28	---	15287707	FDSN	IR	--	ISC	iLoc	???	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/06/03	09:48:02.03	1.48	0.59	48.2303	21.2404	9.3	4.1	124	0.0S	10	6	155	0.07	0.96	m	kx	BUD	15287738	iLoc			183
2019/06/03	09:48:02.22f		0.53	48.2470	21.2460f				0.0S	10		153	0.05	0.96	a	kx	BUD_GT	15328003	BUD			181
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Tallya Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.6	3 BUD	15287738
ML	1.9	0.6	3 ILOC	15328003

Sta	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	09:48:04.073	0.3					T__		8894.7		---	MLv	15329740	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_

ABAH	0.05	355.1	Lg	09:48:05.037	-0.3	T__								15329741	FDSN	HU	--	BUD	BUD	HHE	???	_
(Station ML : 2.4 1																						
HU02A	0.50	255.8	Pg	09:48:12.212	-0.6	T__	64.3							15329742	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.50	255.8	Lg	09:48:20.082	-0.8	T__								15329743	FDSN	ZJ	00	BUD	BUD	HHE	???	_
(Station ML : 1.5 1																						
KECS	0.56	295.3	Pg	09:48:14.024	0.5	T__	119.0							15329744	FDSN	SK	--	BUD	BUD	EHE	EHZ	_
KECS	0.56	295.3	Lg	09:48:22.150	0.1	T__								15329745	FDSN	SK	--	BUD	BUD	EHN	???	_
(Station ML : 1.9 1																						
HOLU	0.81	69.3	Pn	09:48:19.681	-0.0	T__								15329746	FDSN	UA	--	BUD	BUD	MHZ	???	_
HOLU	0.81	69.3	Sn	09:48:33.303	-1.0	T__								15329747	FDSN	UA	--	BUD	BUD	MHZ	???	_
TRPA	0.87	97.2	Lg	09:48:33.924	0.2	T__								15329748	FDSN	HU	--	BUD	BUD	HHN	???	_
PSZ	0.96	250.6	Lg	09:48:37.468	0.5	T__								15329749	FDSN	GE	--	BUD	BUD	BHZ	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/06/04 08:20:10.71 0.83 1.10 47.9978 19.8480 6.1 3.3 170 0.0S 18 11 94 0.09 1.96 m sx BUD 15287975 iLoc 146
 (description : suspected quarry blast)
 (locality : Gyöngyöstarján Hungary)

Magnitude Err Nsta Author OrigID
 ML 2.0 0.0 7 ILOC 15287975

Sta	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	158.6	Pg	08:20:12.844	-0.4					T__		4584.2			MLv	15287977	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.09	158.6	Lg	08:20:15.004	-0.5					T__						15287978	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 2.2 0																								
HU03A	0.19	240.7	Pg	08:20:14.878	-0.2					T__	1230.0				MLv	15287979	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.19	240.7	Lg	08:20:18.600	0.1					T__						15287980	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 1.9 1																								
HU02A	0.47	74.4	Pg	08:20:19.281	-1.5					T__	86.3				MLv	15287981	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.47	74.4	Lg	08:20:28.993	0.5					T__						15287982	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 1.5 1																								
A270A	0.58	255.0	Pg	08:20:21.709	-1.1					T__	152.0				MLv	15287983	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A270A	0.58	255.0	Lg	08:20:31.473	-0.7					T__						15287984	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 2.0 1																								
KECS	0.65	41.0	Pn	08:20:28.967	1.8					T__	134.9				MLv	15287985	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.65	41.0	Sn	08:20:37.266	-1.0					T__						15287986	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 2.0 1																								
VYHS	0.84	306.7	Pn	08:20:30.542	1.7					T__	13.8				MLv	15287987	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.84	306.7	Sn	08:20:42.679	-0.6					T__						15287988	FDSN	SK	--	BUD	iLoc	HHZ	???	_
(Station ML : 1.1 0																								
ABAH	0.98	71.7	Pn	08:20:31.982	1.5					T__	88.1				MLv	15287989	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.98	71.7	Sn	08:20:46.973	0.8					T__						15287990	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 2.0 1																								
A269A	1.05	250.5	Sn	08:20:47.611	-0.5					T__						15287991	FDSN	Z3	00	BUD	iLoc	HHE	???	_
CSKK	1.25	240.0	Sn	08:20:51.205	-1.7					T__						15287992	FDSN	HU	--	BUD	iLoc	HHE	???	_
A267A	1.40	221.9	Sn	08:20:56.640	0.4					T__						15287993	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MORH	1.96	205.2	Sn	08:21:09.394	-0.2					T__						15287994	FDSN	HU	--	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
2019/06/04	09:01:41.54	1.23	1.18	48.5097	20.7547	9.1	3.8	11	0.0S	12	7	178	0.18	1.28	m	sx	BUD	15288535	iLoc			197
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.0	5 ILOC	15288535

Sta	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	0.18	261.7	Pg	09:01:45.250	-0.1					T__		595.4		---	MLv	15288537	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.18	261.7	Lg	09:01:49.551	1.1					T__				---		15288538	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 1.6 1																								
ABAH	0.39	123.3	Pg	09:01:49.950	0.4					T__		78.4		---	MLv	15288539	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.39	123.3	Lg	09:01:55.665	-0.7					T__				---		15288540	FDSN	HU	--	BUD	iLoc	HHZ	???	_
(Station ML : 1.3 1																								
HU02A	0.42	201.7	Pg	09:01:50.791	0.3					T__		33.7		---	MLv	15288541	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.42	201.7	Lg	09:01:55.643	-1.7					T__				---		15288542	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.0 0																								
PSZ	0.83	224.5	Pn	09:01:59.882	0.4					T__		53.0		---	MLv	15288543	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.83	224.5	Lg	09:02:12.610	1.1					T__				---		15288544	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.7 0																								
HOLU	1.08	88.5	Pn	09:02:01.752	-1.1					T__				---		15288545	FDSN	UA	--	BUD	iLoc	MHZ	???	_
TRPA	1.25	107.0	Sn	09:02:22.282	-1.8					T__				---		15288546	FDSN	HU	--	BUD	iLoc	HHN	???	_
VYHS	1.28	270.0	Pg	09:02:06.542	-0.6					T__		11.3		---	MLv	15288547	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.28	270.0	Sn	09:02:23.912	-1.0					T__				---		15288548	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
2019/06/04	09:50:17.27	1.41	0.75	47.2501	18.3248	9.1	5.6	98	0.0S	7	5	110	0.12	1.26	m	kx	BUD	15288707	iLoc			204
2019/06/04	09:50:17.44f		0.70	47.2302	18.2835f				0.0S	7		108	0.13	1.29	a	kx	BUD_GT	15328011	BUD			206
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Iszkaszentgyörgy Hungary)																						

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	353.4	Pg	09:50:20.731	-0.0					T__		2782.1		---	MLv	15329750	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.13	353.4	Lg	09:50:22.566	-1.3					T__				---		15329751	FDSN	HU	--	BUD	BUD	HHN	???	_
A268A	0.32	309.6	Lg	09:50:29.526	-0.5					T__				---		15329752	FDSN	Z3	00	BUD	BUD	HHE	???	_
MPLH	0.51	263.5	Pg	09:50:28.694	0.7					T__		57.3		---	MLv	15329753	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MPLH	0.51	263.5	Lg	09:50:36.726	0.8					T__				---		15329754	FDSN	HU	--	BUD	BUD	BHE	???	_
MORH	1.04	166.1	Lg	09:50:52.964	-0.5					T__				---		15329755	FDSN	HU	--	BUD	BUD	BHE	???	_
PSZ	1.29	57.1	Sn	09:51:00.892	-0.3					T__				---		15329756	FDSN	GE	--	BUD	BUD	BHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/06/04	10:59:22.94	0.86	1.58	48.8723	20.9202	5.3	3.5	97	3.9F	12.4	19	12	64	0.48	2.99	m	ke	BUD	15288809	iLoc			113

Magnitude	Err	Nsta	Author	OrigID
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ML 2.0 0.1 8 ILOC 15288809

Sta	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	0.48	216.7	Pg	10:59:32.642	-0.0					T__		234.6		---	MLv	15288811	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_		
KECS	0.48	216.7	Lg	10:59:39.546	-0.4					T__				---		15288812	FDSN	SK	--	BUD	iLoc	EHN	???	_		
(Station ML : 2.0 1																										
STHS	0.58	21.2	Pg	10:59:33.051	-0.8					T__		194.4		---	MLv	15288813	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_		
STHS	0.58	21.2	Lg	10:59:42.874	0.3					T__				---		15288814	FDSN	SK	--	BUD	iLoc	EHN	???	_		
(Station ML : 2.1 1																										
ABAH	0.61	159.7	Pg	10:59:35.044	-0.0					T__		104.5		---	MLv	15288815	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
ABAH	0.61	159.7	Lg	10:59:43.838	-1.2					T__				---		15288816	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Station ML : 1.9 0																										
NIE	0.68	324.2	Lg	10:59:45.114	-0.3					T__				---		15288817	FDSN	PL	--	BUD	iLoc	BHN	???	_		
HU02A	0.80	199.4	Pn	10:59:38.616	-1.3					T__		128.1		---	MLv	15288818	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_		
HU02A	0.80	199.4	Lg	10:59:50.620	-0.4					T__				---		15288819	FDSN	ZJ	00	BUD	iLoc	HHE	???	_		
(Station ML : 2.0 1																										
KOLS	0.89	85.6	Pg	10:59:40.737	0.9					T__				---		15288820	FDSN	SK	--	BUD	iLoc	HHZ	???	_		
PSZ	1.17	216.0	Pn	10:59:46.332	1.0					T__		59.1		---	MLv	15288821	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	1.17	216.0	Sn	11:00:02.391	-0.7					T__				---		15288822	FDSN	GE	--	BUD	iLoc	BHE	???	_		
(Station ML : 1.9 1																										
TRPA	1.31	124.0	Pg	10:59:48.007	0.1					T__		52.5		---	MLv	15288823	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
TRPA	1.31	124.0	Sn	11:00:05.654	-0.6					T__				---		15288824	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Station ML : 1.9 1																										
HU03A	1.31	222.7	Pg	10:59:49.322	0.3					T__		87.4		---	MLv	15288825	FDSN	ZJ	00	BUD	iLoc	HHE	HHZ	_		
(Station ML : 2.2 0																										
VYHS	1.43	255.5	Sn	11:00:09.646	0.1					T__				---		15288826	FDSN	SK	--	BUD	iLoc	HHN	???	_		
OJC	1.53	332.0	Pg	10:59:52.442	-0.5					T__		61.3		---	MLv	15288827	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_		
OJC	1.53	332.0	Lg	11:00:11.753	-0.1					T__				---		15288828	FDSN	PL	--	BUD	iLoc	BHE	???	_		
(Station ML : 2.1 1																										
VRAC	2.88	280.3	Pg	11:00:27.500	10.1					---				---		15288829	FDSN	IR	--	ISC	iLoc	???	???	_		
KRUC	2.99	275.3	Pg	11:00:25.400	5.5					T__				---		15288830	FDSN	IR	--	ISC	iLoc	???	???	_		
KRUC	2.99	275.3	Sn	11:00:36.100	-12.9					---				---		15288831	FDSN	IR	--	ISC	iLoc	???	???	_		

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/06/05 08:55:48.76 1.10 0.95 48.5503 20.7673 7.3 4.0 12 0.0S 14 9 123 0.20 1.31 m sx BUD 15300033 iLoc 160
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.4 0.4 6 ILOC 15300033

Sta	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	0.20	250.4	Pg	08:55:53.275	0.3					T__		2324.8		---	MLv	15300035	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_		
KECS	0.20	250.4	Lg	08:55:56.862	0.6					T__				---		15300036	FDSN	SK	--	BUD	iLoc	EHN	???	_		
(Station ML : 2.2 0																										
ABAH	0.40	128.8	Pg	08:55:57.447	0.4					T__		60.2		---	MLv	15300037	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
ABAH	0.40	128.8	Lg	08:56:03.374	-0.8					T__				---		15300038	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Station ML : 1.2 1																										
HU02A	0.46	200.8	Pg	08:55:58.941	0.5					T__		39.1		---	MLv	15300039	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_		
HU02A	0.46	200.8	Lg	08:56:04.998	-0.9					T__				---		15300040	FDSN	ZJ	00	BUD	iLoc	HHZ	???	_		
(Station ML : 1.2 1																										

PSZ	0.86	223.0	Pn	08:56:08.273	1.1	T__	52.4	---	MLv	15300041	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	0.86	223.0	Lg	08:56:17.993	-1.9	T__		---		15300042	FDSN	GE	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.7 1																			
LANS	1.05	305.5	Pg	08:56:09.021	-0.4	T__	38.0	---	MLv	15300043	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_	
(Station ML : 1.7 1																			
HOLU	1.07	90.6	Pn	08:56:09.930	-0.1	T__		---		15300044	FDSN	UA	--	BUD	iLoc	MHZ	???	_	
TRPA	1.25	108.9	Sn	08:56:30.653	-0.8	T__		---		15300045	FDSN	HU	--	BUD	iLoc	HHE	???	_	
VYHS	1.29	268.2	Pn	08:56:13.561	0.5	T__	5.3	---	MLv	15300046	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_	
VYHS	1.29	268.2	Sn	08:56:32.782	0.4	T__		---		15300047	FDSN	SK	--	BUD	iLoc	HHN	???	_	
(Station ML : 0.9 0																			
STZU	1.31	68.5	Pn	08:56:14.948	1.3	T__		---		15300048	FDSN	UA	--	BUD	iLoc	MHZ	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/06/05 10:11:26.52 0.89 0.60 48.6562 19.9192 5.7 3.8 56 0.0S 11 7 93 0.41 0.95 m sx BUD 15300158 iLoc 147
 (description : suspected quarry blast)
 (locality : Tisovec Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.5 0.1 6 ILOC 15300158

Sta	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	0.41	114.5	Pg	10:11:35.041	0.1				T__		116.5	---		MLv	15300160	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_	
(Station ML : 1.5 1																								
LANS	0.58	329.1	Pg	10:11:38.127	0.1				T__		83.4	---		MLv	15300161	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_	
LANS	0.58	329.1	Lg	10:11:45.449	-0.4				T__			---			15300162	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Station ML : 1.7 0																								
HU02A	0.67	142.7	Pg	10:11:39.878	-0.6				T__		36.9	---		MLv	15300163	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
(Station ML : 1.4 1																								
VYHS	0.74	257.7	Pn	10:11:43.649	0.4				T__		9.6	---		MLv	15300164	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_	
VYHS	0.74	257.7	Lg	10:11:51.968	-0.2				T__			---			15300165	FDSN	SK	--	BUD	iLoc	HHN	???	_	
(Station ML : 0.9 0																								
PSZ	0.74	181.3	Pg	10:11:42.119	-0.1				T__		30.2	---		MLv	15300166	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	0.74	181.3	Lg	10:11:53.897	0.5				T__			---			15300167	FDSN	GE	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.4 1																								
NIE	0.81	18.6	Lg	10:11:53.150	-0.1				T__			---			15300168	FDSN	PL	--	BUD	iLoc	BHE	???	_	
ABAH	0.95	111.8	Pn	10:11:47.237	1.3				T__		46.8	---		MLv	15300169	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ABAH	0.95	111.8	Lg	10:11:59.194	-0.4				T__			---			15300170	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/06/06 05:57:31.68 1.07 0.41 47.3139 18.2873 10.1 4.2 76 0.0S 7 5 156 0.05 1.23 m kx BUD 15300283 iLoc 187
 2019/06/06 05:57:31.61f 0.34 47.3167 18.3081f 0.0S 7 159 0.06 1.24 a kx BUD_GT 15328019 BUD 202
 (GT info : GT2 explosion)
 (description : known quarry blast)
 (locality : Magyaralmás Hungary)

Magnitude Err Nsta Author OrigID

Sta	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	325.3	Pg	05:57:33.396	-0.0	T__	1549.1	---	MLv	15329757	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.06	325.3	Lg	05:57:35.077	-0.3	T__		---		15329758	FDSN	HU	--	BUD	BUD	HHN	???	_
A268A	0.29	293.8	Lg	05:57:42.845	-0.2	T__		---		15329759	FDSN	Z3	00	BUD	BUD	HHE	???	_
A269A	0.33	8.9	Lg	05:57:44.929	0.4	T__		---		15329760	FDSN	Z3	00	BUD	BUD	HHE	???	_
MORH	1.13	168.0	Pg	05:57:54.500	0.5	T__	6.8	---	MLv	15329761	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	1.13	168.0	Lg	05:58:09.733	-0.5	T__		---		15329762	FDSN	HU	--	BUD	BUD	BHE	???	_
KOVH	1.24	186.7	Sn	05:58:13.438	0.2	T__		---		15329763	FDSN	HU	--	BUD	BUD	BHE	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/06/06 07:57:32.51 2.11 2.23 48.5202 19.3297 13.7 6.8 24 0.0S 10 6 186 0.33 1.37 m sx BUD 15300378 iLoc 210
 (description : suspected quarry blast)
 (locality : Viglas Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.8 0.5 4 ILOC 15300378

Sta	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	0.33	265.6	Pn	07:57:40.231	-4.3					T__		37.9		---	MLv	15300380	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.33	265.6	Lg	07:57:44.732	0.3					T__				---		15300381	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 0.8 1																								
A270A	0.71	197.2	Lg	07:57:58.028	-0.3					T__				---		15300382	FDSN	Z3	00	BUD	iLoc	HHE	???	_
PSZ	0.71	147.7	Pn	07:57:49.372	0.4					T__		38.1		---	MLv	15300383	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.71	147.7	Lg	07:57:59.066	0.6					T__				---		15300384	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.5 1																								
KECS	0.77	92.3	Pn	07:57:49.095	-0.4					T__		150.6		---	MLv	15300385	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.77	92.3	Sn	07:58:00.035	-3.1					T__				---		15300386	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 2.1 1																								
HU02A	0.89	116.1	Pn	07:57:51.608	0.3					T__		111.4		---	MLv	15300387	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.89	116.1	Sn	07:58:05.252	-1.1					T__				---		15300388	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 2.0 1																								
MODS	1.37	264.6	Sn	07:58:16.635	-2.0					T__				---		15300389	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
 2019/06/06 08:20:00.53 1.59 0.45 48.5690 20.7642 11.6 4.1 7 0.0S 11 5 223 0.20 1.28 m sx BUD 15300552 iLoc 292
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.3 0.1 5 ILOC 15300552

Sta	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	0.20	245.2	Pg	08:20:05.046	0.2					T__		1437.2		---	MLv	15300554	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.20	245.2	Lg	08:20:07.878	-0.3					T__				---		15300555	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.20	245.2	Lg	08:20:08.600	0.4					T__		1.4		---		15300556	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.0 0																								
ABAH	0.42	130.6	Pg	08:20:09.257	0.1					T__		67.2		---	MLv	15300557	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.42	130.6	Lg	08:20:16.302	-0.1					T__				---		15300558	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.3 1																								

HU02A	0.47	199.7	Pg	08:20:10.394	-0.2	T__	41.4	---	MLv	15300559	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.47	199.7	Lg	08:20:18.106	-0.2	T__		---		15300560	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.2 1																		
PSZ	0.87	222.1	Pn	08:20:18.462	-0.7	T__	38.6	---	MLv	15300561	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.87	222.1	Lg	08:20:32.464	0.4	T__		---		15300562	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.6 1																		
VYHS	1.28	267.4	Pg	08:20:25.752	-0.6	T__	5.2	---	MLv	15300563	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.28	267.4	Sn	08:20:43.624	-0.5	T__		---		15300564	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
2019/06/06	08:30:53.39	1.59	0.21	46.1071	18.1048	16.6	4.8	112	0.0S	4	3	184	0.02	0.43	m	sx	BUD	15300824	iLoc			301
(description : suspected quarry blast)																						
(locality : Bükkösd-II Hungary)																						

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	190.3	Pg	08:30:54.177	-0.1					T__		666.4		---	MLv	15300826	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.02	190.3	Lg	08:30:55.527	0.2					T__				---		15300827	FDSN	HU	--	BUD	iLoc	BHN	???	_
MORH	0.39	73.6	Lg	08:31:08.129	0.0					T__				---		15300828	FDSN	HU	--	BUD	iLoc	BHN	???	_
A266A	0.43	14.8	Lg	08:31:09.671	0.1					T__				---		15300829	FDSN	Z3	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
2019/06/06	10:05:12.98	1.15	1.60	48.2821	21.2159	11.9	4.8	159	0.0S	10	6	176	0.02	1.19	m	kx	BUD	15300834	iLoc			196
2019/06/06	10:05:12.47f		1.40	48.2470	21.2460f				0.0S	10		181	0.05	1.19	a	kx	BUD_GT	15328029	BUD			201
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Tallya Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.5	4 BUD	15300834
ML	1.7	0.5	4 ILOC	15328029

Sta	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	10:05:14.035	-0.0					T__		12301.3		---	MLv	15329764	FDSN	HU	--	BUD	BUD	HHE	HHZ	_
(Station ML : 2.5 1																								
HU02A	0.50	255.8	Pg	10:05:22.828	-0.2					T__		34.1		---	MLv	15329765	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.50	255.8	Lg	10:05:31.219	0.1					T__				---		15329766	FDSN	ZJ	00	BUD	BUD	HHE	???	_
(Station ML : 1.2 1																								
KECS	0.56	295.3	Pg	10:05:23.961	0.2					T__		112.3		---	MLv	15329767	FDSN	SK	--	BUD	BUD	EHE	EHZ	_
KECS	0.56	295.3	Lg	10:05:31.174	-1.1					T__				---		15329768	FDSN	SK	--	BUD	BUD	EHN	???	_
(Station ML : 1.9 1																								
HOLU	0.81	69.3	Pn	10:05:29.727	-0.2					T__				---		15329769	FDSN	UA	--	BUD	BUD	MHZ	???	_
PSZ	0.96	250.6	Pg	10:05:33.386	0.6					T__		38.2		---	MLv	15329771	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.96	250.6	Pg	10:05:36.000	3.2					T__		0.0		---		15329770	FDSN	IR	--	ISC	BUD	???	???	_
PSZ	0.96	250.6	Lg	10:05:44.802	-2.4					T__				---		15329772	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.6 1																								
STZU	1.19	49.4	Pn	10:05:36.919	1.3					T__				---		15329773	FDSN	UA	--	BUD	BUD	MHZ	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/06/07	07:54:50.69	0.99	0.70	47.6992	18.5077	7.2	3.8	132	0.0S		8	6	130	0.10	0.96	m	sx BUD	15300902	iLoc			192
(description : suspected quarry blast)																						
(locality : Bersekbánya-I Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.3	3 ILOC	15300902

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A269A	0.10	234.5	Pg	07:54:53.547	0.2					T__		1430.0		---	MLv	15300904	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A269A	0.10	234.5	Lg	07:54:55.168	-0.6					T__				---		15300905	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
(Station ML : 1.7 1																								
SR0	0.17	311.1	Pg	07:54:54.800	0.1					T__		2759.4		---	MLv	15300906	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 2.2 1																								
A270A	0.37	66.8	Lg	07:55:04.951	-0.2					T__				---		15300907	FDSN	Z3	00	BUD	iLoc	HHE	???	_
CSKK	0.38	206.6	Lg	07:55:05.117	-0.2					T__				---		15300908	FDSN	HU	--	BUD	iLoc	HHN	???	_
MPLH	0.84	231.5	Pn	07:55:09.757	1.0					T__		39.6		---	MLv	15300909	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.84	231.5	Sn	07:55:22.013	-0.8					T__				---		15300910	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.6 1																								
PSZ	0.96	76.3	Lg	07:55:25.129	-0.4					T__				---		15300911	FDSN	GE	--	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
2019/06/07	08:10:00.37	0.57	0.29	47.5462	16.3631	3.6	1.9	167	0.0F	0.0	10		8	0.16	0.51	a	kx VIE	15274341	ISC			360
2019/06/07	08:10:00.64	1.02	1.22	47.5815	16.3878	7.1	3.8	121	0.0S		23	12	122	0.13	1.48	m	sx BUD	15301216	iLoc			190

Magnitude	Err	Nsta	Author	OrigID
mb	0.9		VIE	15274341
ml	1.6		VIE	15274341
ML	1.6	0.0	5 ILOC	15301216

Sta	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	332.4	Pg	08:10:03.189	-0.5					T__		14.4	0.16	---		15301218	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.13	332.4	Lg	08:10:05.805	-0.1					T__		19.2	0.14	---		15301219	FDSN	IR	--	ISC	iLoc	???	???	_
SDP	0.15	48.5	Lg	08:10:06.994	0.3					T__				---		15301220	FDSN	HU	--	BUD	iLoc	BHE	???	_
A011B	0.34	239.4	Pg	08:10:07.036	-0.4					T__		74.3		---	MLv	15301221	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A011B	0.34	239.4	Lg	08:10:11.638	-0.2					T__				---		15301222	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
(Station ML : 1.1 0																								
A004A	0.38	0.9	Lg	08:10:15.677	1.8					T__				---		15301223	FDSN	Z3	00	BUD	iLoc	HHN	???	_
CONA	0.50	314.5	Pg	08:10:09.822	-0.8					T__		58.5		---	MLv	15301224	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
CONA	0.50	314.5	Lg	08:10:17.267	0.0					T__				---		15301225	FDSN	OE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.4 1																								
A012A	0.54	272.7	Pg	08:10:10.960	-0.6					T__		73.8		---	MLv	15301226	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A012A	0.54	272.7	Lg	08:10:19.355	0.8					T__				---		15301227	FDSN	Z3	00	BUD	iLoc	HH3	???	_
(Station ML : 1.7 1																								
ARSA	0.67	240.9	Pn	08:10:19.800	2.4					T__		0.1		---		15301228	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.67	240.9	Pn	08:10:15.613	-1.8					T__		58.4		---	MLv	15301229	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
ARSA	0.67	240.9	Lg	08:10:23.216	1.0					T__				---		15301230	FDSN	OE	--	BUD	iLoc	BHE	???	_

(Station ML : 1.6 1																		
AO13A	0.82	306.5	Lg	08:10:28.320	1.3	T__	---	---	15301231	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
MPLH	0.88	117.3	Sn	08:10:33.852	0.8	T__	---	---	15301232	FDSN	HU	--	BUD	iLoc	BHE	???	_	
AO18A	0.90	280.9	Pn	08:10:18.836	-1.3	T__	---	58.1	MLv	15301233	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
AO18A	0.90	280.9	Sn	08:10:31.641	-2.0	T__	---	---	15301234	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
(Station ML : 1.8 0																		
MODS	0.99	36.7	Pn	08:10:20.483	-0.8	T__	---	---	15301235	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.99	36.7	Sn	08:10:35.320	-1.2	T__	---	---	15301236	FDSN	SK	--	BUD	iLoc	HHE	???	_	
KRUC	1.48	0.2	Pn	08:10:27.600	-0.4	T__	---	---	15301237	FDSN	IR	--	ISC	iLoc	???	???	_	
KRUC	1.48	0.2	Sn	08:10:46.200	-1.9	T__	---	---	15301238	FDSN	IR	--	ISC	iLoc	???	???	_	
KRUC	1.48	0.2	Pg	08:10:28.075	-0.9	T__	---	---	15301239	FDSN	CZ	--	BUD	iLoc	BHZ	???	_	
KRUC	1.48	0.2	Sn	08:10:47.515	-0.5	T__	---	---	15301240	FDSN	CZ	--	BUD	iLoc	BHE	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/06/07	10:22:00.16	2.47	1.41	48.5696	20.7883	14.6	9.4	52	0.0S		15	9	132	0.22	6.44	m	sx	BUD	15301464	iLoc		257
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.1	5 ILOC	15301464

Sta	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	246.9	Pg	10:22:04.751	0.0					T__		798.3		---	MLv	15301466	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.22	246.9	Lg	10:22:07.100	-1.2					T__		0.8		---	---	15301467	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	0.22	246.9	Lg	10:22:09.061	0.7					T__				---	---	15301468	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 1.8 0																								
HU02A	0.48	201.5	Pg	10:22:10.489	0.1					T__		45.4		---	MLv	15301469	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.48	201.5	Lg	10:22:17.735	-0.4					T__				---	---	15301470	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.3 1																								
PSZ	0.88	222.8	Pg	10:22:19.199	0.4					T__		53.8		---	MLv	15301471	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.88	222.8	Lg	10:22:32.404	0.3					T__				---	---	15301472	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.7 1																								
KOLS	1.05	69.1	Sn	10:22:36.577	-1.8					T__				---	---	15301473	FDSN	SK	--	BUD	iLoc	HHE	???	_
LANS	1.05	304.2	Pn	10:22:20.213	-1.1					T__		50.5		---	MLv	15301474	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 1.8 1																								
VYHS	1.30	267.4	Sn	10:22:42.600	-1.6					T__		0.0		---	---	15301475	FDSN	IR	--	ISC	iLoc	???	???	_
VYHS	1.30	267.4	Pg	10:22:26.760	0.5					T__		6.2		---	MLv	15301476	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.30	267.4	Lg	10:22:44.492	-0.4					T__				---	---	15301477	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.0 0																								
PTCC	5.48	249.5	Pg	10:23:47.670	6.0					---				---	---	15301478	FDSN	IR	--	ISC	iLoc	???	???	_
ZOU	5.66	252.1	Pg	10:23:48.110	2.6					T__				---	---	15301479	FDSN	IR	--	ISC	iLoc	???	???	_
MPRI	5.78	249.2	Pg	10:23:44.220	-2.3					T__				---	---	15301480	FDSN	IR	--	ISC	iLoc	???	???	_
WTTA	6.29	261.4	Pg	10:23:51.940	-7.0					---				---	---	15301481	FDSN	IR	--	ISC	iLoc	???	???	_
VARN	6.44	249.7	Pn	10:23:37.590	1.3					T__				---	---	15301482	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/06/07	11:00:28.24	1.13	1.74	48.9580	20.9597	8.7	5.8	124	4.7F	13.7	13	9	73	0.50	1.48	m	ke	BUD	15302019	iLoc			142

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.1	4 ILOC	15302019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
STHS	0.50	22.0	Lg	11:00:43.900	-1.0					T__						15302021	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	0.57	213.6	Pg	11:00:40.286	0.7					T__		148.5			MLv	15302022	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.57	213.6	Lg	11:00:47.146	-1.0					T__						15302023	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 2.0 1)																								
NIE	0.63	317.6	Sn	11:00:54.066	-0.2					T__						15302024	FDSN	PL	--	BUD	iLoc	BHE	???	_
ABAH	0.69	164.2	Pg	11:00:42.437	0.7					T__		71.2			MLv	15302025	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.69	164.2	Lg	11:00:51.874	-0.8					T__						15302026	FDSN	HU	--	BUD	iLoc	HHZ	???	_
(Station ML : 1.7 1)																								
KOLS	0.87	91.1	Sn	11:01:02.199	0.9					T__						15302027	FDSN	SK	--	BUD	iLoc	HHN	???	_
HU02A	0.88	199.2	Pg	11:00:46.404	0.1					T__		65.8			MLv	15302028	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.88	199.2	Lg	11:00:58.516	-0.6					T__						15302029	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.8 1)																								
PSZ	1.26	214.7	Pg	11:00:53.873	0.3					T__		40.9			MLv	15302030	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	1.26	214.7	Lg	11:01:09.996	-1.4					T__						15302031	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.8 1)																								
OJC	1.47	329.5	Sn	11:01:20.430	4.5					T__						15302032	FDSN	PL	--	BUD	iLoc	BHN	???	_
VYHS	1.48	252.5	Lg	11:01:17.344	0.1					T__						15302033	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
2019/06/08	10:09:54.90	1.02	0.69	48.0380	19.6486	5.5	4.1	155	0.0S		9	5	125	0.14	1.10	m	kx BUD	15302051	iLoc			242
2019/06/08	10:09:55.13f		0.67	48.0061	19.6278f				0.0S		9		122	0.10	1.12	a	kx BUD_GT	15328037	BUD			243

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

Magnitude	Err	Nsta	Author	OrigID
ML	0.5	1.5	4 BUD	15302051
ML	1.5	0.1	4 ILOC	15328037

Sta	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	190.5	Pg	10:09:58.214	0.5					T__		747.2			MLv	15329774	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU03A	0.10	190.5	Lg	10:10:01.205	1.3					T__						15329775	FDSN	ZJ	00	BUD	BUD	HHN	???	_
(Station ML : 1.5 1)																								
PSZ	0.20	116.0	Pg	10:09:59.946	0.0					T__		413.5			MLv	15329776	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.20	116.0	Lg	10:10:02.855	-0.9					T__						15329777	FDSN	GE	--	BUD	BUD	BHE	???	_
(Station ML : 1.5 1)																								
HU02A	0.61	78.7	Pg	10:10:07.343	-0.7					T__		54.0			MLv	15329778	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.61	78.7	Lg	10:10:17.307	-0.5					T__						15329779	FDSN	ZJ	00	BUD	BUD	HHN	???	_
(Station ML : 1.6 1)																								
VYHS	0.72	313.0	Pg	10:10:09.987	0.2					T__		7.3			MLv	15329780	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
VYHS	0.72	313.0	Lg	10:10:19.819	-0.6					T__						15329781	FDSN	SK	--	BUD	BUD	HHN	???	_
(Station ML : 0.8 1)																								
ABAH	1.12	74.3	Sn	10:10:34.097	0.1					T__						15329782	FDSN	HU	--	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/06/08	10:11:32.07	1.04	1.18	48.0084	19.6527	5.7	3.9	154	0.0S	9	6	98	0.11	0.98	m	kx	BUD	15302079	iLoc			178
2019/06/08	10:11:32.11f		0.75	48.0061	19.6278f				0.0S	9		107	0.10	0.97	a	kx	BUD_GT	15328041	BUD			181

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.0	3 BUD	15302079
ML	1.5	0.0	3 ILOC	15328041

Sta	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	190.5	Pg	10:11:35.230	0.5					T__		903.7		___	MLv	15329783	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU03A	0.10	190.5	Lg	10:11:36.204	-0.7					T__				___		15329784	FDSN	ZJ	00	BUD	BUD	HHZ	???	_
(Station ML : 1.5 1																								
PSZ	0.20	116.0	Pg	10:11:37.293	0.4					T__		438.1		___	MLv	15329785	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.20	116.0	Lg	10:11:39.785	-1.0					T__				___		15329786	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.5 1																								
HU02A	0.61	78.7	Pg	10:11:44.465	-0.5					T__		52.0		___	MLv	15329787	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.61	78.7	Lg	10:11:53.545	-1.2					T__				___		15329788	FDSN	ZJ	00	BUD	BUD	HHE	???	_
(Station ML : 1.6 1																								
VYHS	0.72	313.0	Lg	10:11:57.720	0.3					T__				___		15329789	FDSN	SK	--	BUD	BUD	HHZ	???	_
KECS	0.75	49.9	Lg	10:11:59.344	1.0					T__				___		15329790	FDSN	SK	--	BUD	BUD	EHN	???	_
A335A	0.97	297.5	Sn	10:12:07.365	-0.6					T__				___		15329791	FDSN	Z3	00	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/06/09	08:52:06.85	0.79	0.97	46.0901	17.0604	6.6	3.5	155	12.7F	2.2	18	9	114	0.27	1.11	m	ke	BUD	15302189	iLoc			167

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.3	4 ILOC	15302189

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
DARVA	0.27	20.4	Pg	08:52:12.937	0.1					T__		273.3		___	MLv	15302191	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
DARVA	0.27	20.4	Lg	08:52:17.147	0.2					T__				___		15302192	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.5 1																								
BELGA	0.34	47.1	Pg	08:52:14.344	0.4					T__		519.1		___	MLv	15302193	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BELGA	0.34	47.1	Lg	08:52:18.473	-0.4					T__				___		15302194	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.9 1																								
KALN	0.42	275.8	Pg	08:52:16.670	1.0					T__				___		15302195	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.42	275.8	Lg	08:52:20.170	-1.6					T__				___		15302196	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.43	332.7	Pg	08:52:15.982	0.3					T__		42.8		___	MLv	15302197	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BEHE	0.43	332.7	Lg	08:52:21.870	0.1					T__				___		15302198	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.1 1																								
MOSL	0.52	204.3	Pn	08:52:19.540	-0.5					T__				___		15302199	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.52	204.3	Sn	08:52:27.370	-1.4					T__				___		15302200	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.69	275.7	Pg	08:52:21.480	1.2					T__				___		15302201	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.69	275.7	Lg	08:52:29.280	-0.5					T__				___		15302202	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	0.72	89.8	Pn	08:52:22.458	1.0					T__		83.0		___	MLv	15302203	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.72	89.8	Lg	08:52:31.304	0.5					T__				___		15302204	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.8 1																								
PTJ	0.78	256.9	Lg	08:52:32.517	-0.3					T__				___		15302205	FDSN	CR	--	BUD	iLoc	BHN	???	_

PTJ	0.78	256.9	Pg	08:52:23.150	1.1	T__	---	15302206	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.78	256.9	Lg	08:52:32.210	-1.3	T__	---	15302207	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.11	82.9	Lg	08:52:44.883	1.0	T__	---	15302208	FDSN	HU	--	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
 2019/06/10 07:36:08.73 1.41 0.67 48.5703 20.7772 10.9 3.9 3 0.0S 14 7 165 0.21 1.29 m sx BUD 15302103 iLoc 202
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.3 0.2 7 ILOC 15302103

Sta	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	245.9	Pg	07:36:13.384	0.2					T__		467.1		---	MLv	15302105	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.21	245.9	Lg	07:36:15.941	-0.7					T__				---		15302106	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.21	245.9	Lg	07:36:17.200	0.5					T__		0.5		---		15302107	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.6 1)																								
ABAH	0.41	131.5	Pg	07:36:17.537	0.3					T__		50.4		---	MLv	15302108	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.41	131.5	Lg	07:36:24.094	-0.3					T__				---		15302109	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.1 1)																								
HU02A	0.48	200.7	Pg	07:36:18.919	0.0					T__		36.5		---	MLv	15302110	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.48	200.7	Lg	07:36:26.563	-0.1					T__				---		15302111	FDSN	ZJ	00	BUD	iLoc	HHZ	???	_
(Station ML : 1.2 1)																								
PSZ	0.88	222.5	Pn	07:36:27.514	0.1					T__		44.7		---	MLv	15302112	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.88	222.5	Lg	07:36:40.358	-0.1					T__				---		15302113	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.6 0)																								
LANS	1.04	304.4	Pn	07:36:29.135	-0.7					T__		28.4		---	MLv	15302114	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 1.5 1)																								
TRPA	1.26	109.9	Pg	07:36:32.760	-0.2					T__		12.3		---	MLv	15302115	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
TRPA	1.26	109.9	Sn	07:36:49.805	-1.6					T__				---		15302116	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.3 1)																								
VYHS	1.29	267.3	Pn	07:36:33.179	-0.0					T__		5.8		---	MLv	15302117	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.29	267.3	Sn	07:36:51.777	-0.8					T__				---		15302118	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
 2019/06/11 08:45:37.47 1.25 1.26 48.4723 20.8067 16.3 5.9 17 0.0S 13 9 106 0.21 1.32 m sx BUD 15302149 iLoc 150
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.5 0.3 6 ILOC 15302149

Sta	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	273.1	Pg	08:45:42.006	0.0					T__		2285.9		---	MLv	15302151	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.21	273.1	Lg	08:45:45.610	0.1					T__				---		15302152	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 2.3 0)																								
ABAH	0.34	121.3	Pn	08:45:46.345	-3.3					T__		87.4		---	MLv	15302153	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.34	121.3	Lg	08:45:50.562	-0.0					T__				---		15302154	FDSN	HU	--	BUD	iLoc	HHE	???	_

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(Station ML : 1.2 1
PSZ 0.82 228.1 Pg 08:45:54.850 -0.1 T__ 58.5 --- MLv 15302155 FDSN GE -- BUD iLoc BHZ BHZ _
PSZ 0.82 228.1 Sn 08:46:09.751 -0.1 T__ --- 15302156 FDSN GE -- BUD iLoc BHE ??? _
(Station ML : 1.7 1
NIE 1.00 341.2 Pn 08:45:57.842 -0.1 T__ 20.4 --- MLv 15302157 FDSN PL -- BUD iLoc BHZ BHZ _
(Station ML : 1.4 1
HOLU 1.05 86.4 Pn 08:45:58.608 0.3 T__ --- 15302158 FDSN UA -- BUD iLoc MHZ ??? _
LANS 1.12 308.0 Pn 08:45:57.775 -1.8 T__ 49.6 --- MLv 15302159 FDSN SK -- BUD iLoc EHZ EHZ _
(Station ML : 1.8 1
TRPA 1.21 105.8 Sn 08:46:19.364 0.4 T__ --- 15302160 FDSN HU -- BUD iLoc HHE ??? _
VYHS 1.31 271.7 Pn 08:46:02.642 0.5 T__ 8.0 --- MLv 15302161 FDSN SK -- BUD iLoc HHZ HHZ _
VYHS 1.31 271.7 Sn 08:46:21.117 -0.6 T__ --- 15302162 FDSN SK -- BUD iLoc HHN ??? _
(Station ML : 1.1 0
STZU 1.32 65.0 Pn 08:46:03.380 1.0 T__ --- 15302163 FDSN UA -- BUD iLoc MHZ ??? _

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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
2019/06/11 09:23:26.56 1.87 1.04 47.3133 18.4386 13.3 5.4 147 0.0S 11 8 114 0.13 1.21 m sx BUD 15302226 iLoc 199
(description : suspected quarry blast)
(locality : Gánt Hungary)

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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 0.13 292.5 Pg 09:23:29.787 -0.0 T__ 2269.6 --- MLv 15302228 FDSN HU -- BUD iLoc HHZ HHZ _
CSKK 0.13 292.5 Lg 09:23:31.358 -1.5 T__ --- 15302229 FDSN HU -- BUD iLoc HHN ??? _
CSKK 0.13 292.4 Pg 09:23:30.000 0.2 T__ 22.9 --- 15302230 FDSN IR -- ISC iLoc ??? ??? _
A269A 0.33 353.3 Lg 09:23:40.010 0.4 T__ --- 15302231 FDSN Z3 00 BUD iLoc HHN ??? _
A268A 0.37 288.8 Lg 09:23:41.825 1.0 T__ --- 15302232 FDSN Z3 00 BUD iLoc HHN ??? _
MPLH 0.63 257.2 Lg 09:23:48.877 -0.0 T__ --- 15302233 FDSN HU -- BUD iLoc BHN ??? _
A270A 0.66 36.2 Lg 09:23:50.747 -0.4 T__ --- 15302234 FDSN Z3 00 BUD iLoc HHN ??? _
MORH 1.11 172.6 Sn 09:24:06.915 1.9 T__ --- 15302235 FDSN HU -- BUD iLoc BHE ??? _
PSZ 1.16 57.9 Sn 09:24:06.949 -0.1 T__ --- 15302236 FDSN GE -- BUD iLoc BHE ??? _
VYHS 1.21 12.6 Pn 09:23:50.054 0.2 T__ 5.9 --- MLv 15302237 FDSN SK -- BUD iLoc HHZ HHZ _
VYHS 1.21 12.6 Sn 09:24:07.330 -1.1 T__ --- 15302238 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
2019/06/11 10:53:43.35 1.16 1.66 48.3854 19.9123 9.2 6.0 20 0.0S 11 8 95 0.39 1.07 m sx BUD 15302248 iLoc 156
(description : suspected quarry blast)
(locality : Velke-Dravce Slovakia)

```

```
Magnitude Err Nsta Author OrigID
ML 1.8 0.2 4 ILOC 15302248
```

```

Sta 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 75.4 Pn 10:53:55.586 -0.7 T__ 414.9 --- MLv 15302250 FDSN SK -- BUD iLoc EHN EHZ _
(Station ML : 2.0 1
PSZ 0.47 181.5 Pn 10:53:55.863 -1.4 T__ 179.8 --- MLv 15302251 FDSN GE -- BUD iLoc BHZ BHZ _
PSZ 0.47 181.5 Lg 10:54:02.025 1.0 T__ --- 15302252 FDSN GE -- BUD iLoc BHN ??? _

```

(Station ML : 1.9 1																			
HU02A 0.49 122.5 Pn	10:53:56.552	-1.0	T__	138.8	---	MLv	15302253	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_				
HU02A 0.49 122.5 Lg	10:54:03.333	1.8	T__		---		15302254	FDSN	ZJ	00	BUD	iLoc	HHN	???	_				
(Station ML : 1.8 1																			
VYHS 0.72 279.0 Pn	10:54:00.779	0.9	T__	9.8	---	MLv	15302255	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_				
VYHS 0.72 279.0 Lg	10:54:09.850	1.1	T__		---		15302256	FDSN	SK	--	BUD	iLoc	HHN	???	_				
(Station ML : 0.9 1																			
A270A 0.81 228.3 Sn	10:54:13.255	-1.5	T__		---		15302257	FDSN	Z3	00	BUD	iLoc	HHN	???	_				
ABAH 0.89 95.3 Sn	10:54:19.576	2.8	T__		---		15302258	FDSN	HU	--	BUD	iLoc	HHE	???	_				
A335A 1.05 273.9 Sn	10:54:21.710	0.6	T__		---		15302259	FDSN	Z3	00	BUD	iLoc	HHE	???	_				
NIE 1.07 14.2 Sn	10:54:23.134	1.3	T__		---		15302260	FDSN	PL	--	BUD	iLoc	BHE	???	_				

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/06/12	10:00:51.71	1.42	0.85	47.2483	18.3152	9.1	6.4	97	0.0S	5	4	185	0.12	1.06	m	kx	BUD	15302278	iLoc			279
2019/06/12	10:00:52.90f		1.21	47.2302	18.2835f				0.0S	5		172	0.13	1.04	a	kx	BUD_GT	15328053	BUD			270

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

Magnitude Err Nsta Author OrigID

Sta	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	353.4	Pg	10:00:55.050	-1.2					T__		1763.0		---	MLv	15329797	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
A268A	0.32	309.6	Lg	10:01:03.552	-1.9					T__				---		15329798	FDSN	Z3	00	BUD	BUD	HHE	???	_
MPLH	0.51	263.5	Pg	10:01:03.013	-0.5					T__		46.9		---	MLv	15329799	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MPLH	0.51	263.5	Lg	10:01:11.080	-0.3					T__				---		15329800	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	1.04	166.1	Lg	10:01:27.490	-1.4					T__				---		15329801	FDSN	HU	--	BUD	BUD	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/06/12	10:48:51.04	1.12	1.58	48.2432	21.2202	8.8	5.6	149	0.0S	14	8	148	0.05	2.76	m	kx	BUD	15302293	iLoc			153
2019/06/12	10:48:51.83f		1.53	48.2470	21.2460f				0.0S	14		148	0.05	2.74	a	kx	BUD_GT	15329795	BUD			153

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

Magnitude Err Nsta Author OrigID
 ML 1.9 0.1 5 BUD 15302293
 ML 1.9 0.1 5 ILOC 15329795

Sta	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	10:48:52.545	-0.9					T__		9417.5		---	MLv	15329802	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
ABAH	0.05	355.1	Lg	10:48:53.933	-1.1					T__				---		15329803	FDSN	HU	--	BUD	BUD	HHN	???	_
(Station ML : 2.4 0																								
HU02A 0.50 255.8 Pg	10:49:01.249	-1.1	T__							T__		84.6		---	MLv	15329804	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU02A 0.50 255.8 Lg	10:49:08.888	-1.6	T__							T__				---		15329805	FDSN	ZJ	00	BUD	BUD	HHZ	???	_
(Station ML : 1.6 1																								
KECS 0.56 295.3 Pg	10:49:02.525	-0.6	T__							T__		131.6		---	MLv	15329806	FDSN	SK	--	BUD	BUD	EHE	EHZ	_
KECS 0.56 295.3 Lg	10:49:10.548	-1.1	T__							T__				---		15329807	FDSN	SK	--	BUD	BUD	EHN	???	_

(Station ML : 1.9 1																						
HOLU	0.81	69.3	Pg	10:49:08.067	0.6	T__								15329808	FDSN	UA	--	BUD	BUD	MHZ	???	_
HOLU	0.81	69.3	Lg	10:49:20.842	-0.2	T__								15329809	FDSN	UA	--	BUD	BUD	MHZ	???	_
TRPA	0.87	97.2	Pg	10:49:08.645	-0.2	T__				32.6			MLv	15329810	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
TRPA	0.87	97.2	Lg	10:49:21.811	-1.5	T__								15329811	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 1.5 0																						
PSZ	0.96	250.6	Pn	10:49:11.306	-0.3	T__				86.8			MLv	15329812	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.96	250.6	Lg	10:49:24.896	-1.7	T__								15329813	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 2.0 1																						
KOLS	0.97	44.4	Pn	10:49:11.163	-0.6	T__								15329814	FDSN	SK	--	BUD	BUD	HHZ	???	_
BURAR	2.74	101.8	Pg	10:49:49.093	4.4	T__								15329815	FDSN	IR	--	ISC	BUD	???	???	_
BURAR	2.74	101.8	Sn	10:49:59.573	-12.5	---								15329816	FDSN	IR	--	ISC	BUD	???	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/06/13 07:46:57.76 8.73 0.81 47.7601 17.3943 80.0 30.8 170 0.0S 5 5 293 0.68 1.77 m sx BUD 15302331 iLoc 319
 (description : suspected quarry blast)
 (locality : Gánt Hungary)

Magnitude		Err	Nsta	Author	OrigID																			
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A268A	0.49	132.4	x	07:47:26.514	-99.0											15302333	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A269A	0.68	100.0	Lg	07:47:22.838	0.0											15302334	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
CSKK	0.71	123.8	Pn	07:47:14.311	0.2						1299.3				MLv	15302335	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.71	123.8	Lg	07:47:15.908	-7.9											15302336	FDSN	HU	--	BUD	iLoc	HHN	???	_
A270A	1.10	85.0	Sn	07:47:35.453	-1.0											15302337	FDSN	Z3	00	BUD	iLoc	HHE	???	_
PSZ	1.69	83.7	Sn	07:47:51.638	0.1											15302338	FDSN	GE	--	BUD	iLoc	BHE	???	_
MORH	1.77	150.6	Sn	07:47:51.707	-0.6											15302339	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/06/13 12:59:19.80 0.03 0.11 47.8335 16.2528 0.3 0.2 100 8.3F 0.5 22 117 0.14 1.49 a ke IPEC 15274406 ISC 360
 2019/06/13 12:59:19.76 0.35 0.25 47.8068 16.2322 1.4 1.4 36 10.9F 2.3 18 4 0.12 0.73 a ke VIE 15274402 ISC 360
 2019/06/13 12:59:19.49 0.84 0.66 47.8251 16.2467 5.4 3.4 28 11.9F 7.9 28 13 104 0.13 1.50 m ke BUD 15302344 iLoc 110

Magnitude		Err	Nsta	Author	OrigID																
ML	1.2			IPEC	15274406																
mb	0.3			VIE	15274402																
m1	1.6			VIE	15274402																
ML	1.5	0.3	7	ILOC	15302344																

Sta	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	165.0	Pg	12:59:22.877	-0.2							17.6	0.04			15302346	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.13	165.0	Lg	12:59:25.008	-0.6							107.8	0.06			15302347	FDSN	IR	--	ISC	iLoc	???	???	_
SOP	0.25	123.9	Pg	12:59:25.402	0.3							118.2			MLv	15302348	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
SOP	0.25	123.9	Lg	12:59:28.738	-0.2											15302349	FDSN	HU	--	BUD	iLoc	BHZ	???	_
(Station ML : 1.1 1																								
CONA	0.28	291.9	Pg	12:59:25.616	0.0							59.9			MLv	15302350	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
CONA	0.28	291.9	Lg	12:59:29.840	0.0											15302351	FDSN	OE	--	BUD	iLoc	BHN	???	_

CONA	0.28	291.9	Lg	12:59:30.030	0.2	T__	1.5	0.04	---	15302352	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML	:	0.9	0															
A011B	0.46	205.2	Pg	12:59:28.638	-0.2	T__	81.5		--- MLv	15302353	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML	:	1.5	1															
A012A	0.50	243.9	Pg	12:59:29.326	-0.4	T__	72.8		--- MLv	15302354	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A012A	0.50	243.9	Lg	12:59:36.835	0.5	T__			---	15302355	FDSN	Z3	00	BUD	iLoc	HH3	???	_
(Station ML	:	1.5	1															
A013A	0.61	293.2	Pg	12:59:31.647	0.1	T__	217.8		--- MLv	15302356	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A013A	0.61	293.2	Lg	12:59:39.972	0.4	T__			---	15302357	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
(Station ML	:	2.2	0															
ARSA	0.76	220.7	Lg	12:59:43.966	0.1	T__			---	15302358	FDSN	OE	--	BUD	iLoc	BHN	???	_
EGYH	0.84	118.7	Sn	12:59:50.861	2.2	T__			---	15302359	FDSN	HU	--	BUD	iLoc	HHN	???	_
A001A	0.93	14.1	Pg	12:59:38.157	0.3	T__	71.1		--- MLv	15302360	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML	:	1.9	1															
A007A	1.01	332.0	Pg	12:59:38.647	-0.3	T__	46.3		--- MLv	15302361	FDSN	Z3	00	BUD	iLoc	HHE	HHZ	_
A007A	1.01	332.0	Lg	12:59:51.230	-1.8	T__			---	15302362	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML	:	1.7	1															
KRUC	1.24	4.5	Pn	12:59:42.400	0.3	T__			---	15302363	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.24	4.5	Pn	12:59:42.400	0.3	T__			---	15302364	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.24	4.5	Sn	12:59:58.600	-0.1	T__	2.5	0.29	---	15302365	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.24	4.5	Sn	12:59:58.600	-0.1	T__			---	15302366	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.24	4.5	Pn	12:59:42.270	0.2	T__			---	15302367	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	1.24	4.5	Sn	12:59:58.923	0.2	T__			---	15302368	FDSN	CZ	--	BUD	iLoc	BHE	???	_
STAC	1.36	332.7	Sn	13:00:01.900	0.2	T__	4.0	0.15	---	15302369	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.50	8.7	Pn	12:59:46.200	0.5	T__			---	15302370	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.50	8.7	Pn	12:59:46.300	0.5	T__			---	15302371	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.50	8.7	Sn	13:00:04.900	-0.3	T__	2.4	0.25	---	15302372	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.50	8.7	Sn	13:00:04.900	-0.3	T__			---	15302373	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/06/13	17:47:06.50	0.05	0.19	47.8186	16.2453	0.4	0.4	14	10.8F	0.6	32	88	0.12	1.51	a	ke	IPEC	15274443	ISC			360
2019/06/13	17:47:08.60			47.9300	16.1100				10.OA		11				a	ke	PRU	15274446	ISC			360
2019/06/13	17:47:06.15	0.22	0.48	47.8246	16.2274	2.0	1.8	130	12.7F	0.0	29	4	0.13	0.75	a	ke	VIE	15274439	ISC			360
2019/06/13	17:47:05.95	0.78	0.99	47.8328	16.2440	4.0	3.0	31	12.0F	6.3	39	19	83	0.14	2.20	m	ke	BUD	15302409	iLoc		104

Magnitude	Err	Nsta	Author	OrigID
ML	1.4		IPEC	15274443
mb	0.8		VIE	15274439
m1	1.8		VIE	15274439
ML	1.8	0.1	9 ILOC	15302409

Sta	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	165.1	Pg	17:47:09.504	-0.2					T__		35.2	0.06	---		15302411	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.14	165.1	Lg	17:47:11.619	-0.7					T__		188.8	0.06	---		15302412	FDSN	IR	--	ISC	iLoc	???	???	_
SOP	0.26	125.1	Pg	17:47:11.734	0.1					T__		156.3		---	MLv	15302413	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
SOP	0.26	125.1	Lg	17:47:15.141	-0.4					T__				---		15302414	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML	:	1.2	1																					
CONA	0.27	290.5	Pg	17:47:11.845	-0.2					T__		90.4		---	MLv	15302415	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
CONA	0.27	290.5	Lg	17:47:16.191	0.1					T__				---		15302416	FDSN	OE	--	BUD	iLoc	BHN	???	_
CONA	0.27	290.5	Pg	17:47:11.983	-0.0					T__		1.2	0.10	---		15302417	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.27	290.5	Lg	17:47:16.694	0.6					T__		2.3	0.04	---		15302418	FDSN	IR	--	ISC	iLoc	???	???	_

Sta	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	236.7	Pg	06:52:25.241	-0.8					T__		514.4		---	MLv	15329817	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.16	236.7	Lg	06:52:28.258	-0.8					T__				---		15329818	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.25	80.7	Pg	06:52:27.492	-0.2					T__		74.6		---	MLv	15329819	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.25	80.7	Lg	06:52:31.538	-0.6					T__				---		15329820	FDSN	HU	--	BUD	BUD	BHN	???	_
A266A	0.35	356.8	Lg	06:52:39.675	4.1					T__				---		15329821	FDSN	Z3	00	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/06/14	09:59:25.17	0.52	0.30	47.5430	16.3967	3.4	2.0	139	0.0F	0.0	9		4	0.17	0.66	a	sx VIE	15274497	ISC			360
2019/06/14	09:59:24.95	1.39	0.78	47.5454	16.4125	8.7	4.6	142	0.0S		21	10	208	0.17	1.52	m	sx BUD	15302515	iLoc			240

Magnitude	Err	Nsta	Author	OrigID
mb	1.1		VIE	15274497
ml	1.5		VIE	15274497
ML	1.8	0.2	4 ILOC	15302515

Sta	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	0.17	35.5	Lg	09:59:32.099	0.6					T__				---		15302517	FDSN	HU	--	BUD	iLoc	BHN	???	_
RONA	0.17	333.1	Pg	09:59:28.192	-0.6					T__		14.8	0.18	---		15302518	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.17	333.1	Lg	09:59:30.932	-0.6					T__		32.1	0.22	---		15302519	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.53	316.1	Pg	09:59:35.597	-0.0					T__		67.3		---	MLv	15302520	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
CONA	0.53	316.1	Lg	09:59:42.668	-0.1					T__				---		15302521	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	0.53	316.1	Pg	09:59:35.797	0.2					T__		0.8	0.20	---		15302522	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.53	316.1	Lg	09:59:43.208	0.4					T__		4.3	0.32	---		15302523	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.6 1																								
A012A	0.56	276.3	Pg	09:59:35.651	-0.5					T__		79.0		---	MLv	15302524	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A012A	0.56	276.3	Lg	09:59:43.486	0.0					T__				---		15302525	FDSN	Z3	00	BUD	iLoc	HH3	???	_
(Station ML : 1.7 1																								
ARSA	0.67	244.3	Lg	09:59:47.293	0.8					T__		3.6	0.30	---		15302526	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.67	244.3	Lg	09:59:45.877	-0.6					T__				---		15302527	FDSN	OE	--	BUD	iLoc	BHE	???	_
A013A	0.85	307.8	Pg	09:59:42.063	0.6					T__		70.4		---	MLv	15302528	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A013A	0.85	307.8	Lg	09:59:53.428	1.0					T__				---		15302529	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 1.8 1																								
MODS	1.01	34.7	Pn	09:59:46.564	0.7					T__				---		15302530	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	1.01	34.7	Lg	10:00:00.565	-0.5					T__				---		15302531	FDSN	SK	--	BUD	iLoc	HHE	???	_
A333A	1.26	21.3	Sn	10:00:06.594	-0.5					T__				---		15302532	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A007A	1.31	333.5	Pg	09:59:50.339	0.2					T__		51.7		---	MLv	15302533	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A007A	1.31	333.5	Sn	10:00:06.301	-2.1					T__				---		15302534	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 1.9 1																								
KRUC	1.52	359.6	Sn	10:00:12.300	-1.0					T__				---		15302535	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.52	359.6	Pn	09:59:52.961	0.2					T__				---		15302536	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	1.52	359.6	Sn	10:00:12.620	-0.6					T__				---		15302537	FDSN	CZ	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/06/14	10:34:47.00	0.04	0.15	47.8625	16.3024	0.3	0.3	58	13.7F	0.4	26		104	0.12	1.46	a	ke IPEC	15274522	ISC			360
2019/06/14	10:34:46.56	0.11	0.21	47.8609	16.2953	1.1	1.0	144	14.9F	0.0	22		4	0.16	1.36	a	ke VIE	15274518	ISC			360
2019/06/14	10:34:46.43	0.86	0.76	47.8894	16.3322	6.5	3.6	18	11.7F	8.0	21	9	91	0.19	1.43	m	ke BUD	15302560	iLoc			136

Magnitude	Err	Nsta	Author	OrigID
ML	1.5		IPEC	15274522
mb	1.0		VIE	15274518
m1	1.8		VIE	15274518
ML	1.0	0.0	3 ILOC	15302560

Sta	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	187.3	Pg	10:34:50.800	-0.2					T__		31.7	0.06	---		15302562	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.19	187.3	Lg	10:34:53.479	-0.7					T__		129.9	0.12	---		15302563	FDSN	IR	--	ISC	iLoc	???	???	_
SOP	0.26	143.4	Pg	10:34:52.628	0.6					T__		106.8		---	MLv	15302564	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
SOP	0.26	143.4	Lg	10:34:55.842	-0.1					T__				---		15302565	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.0 1)																								
CONA	0.32	277.2	Pg	10:34:53.117	-0.2					T__		67.1		---	MLv	15302566	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
CONA	0.32	277.2	Lg	10:34:58.427	0.5					T__				---		15302567	FDSN	OE	--	BUD	iLoc	BHE	???	_
CONA	0.32	277.2	Lg	10:34:57.586	-0.3					T__		0.5	0.04	---		15302568	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.0 1)																								
A012A	0.58	240.7	Pg	10:34:57.965	-0.2					T__		89.9		---	MLv	15302569	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A012A	0.58	240.7	Lg	10:35:05.856	0.1					T__				---		15302570	FDSN	Z3	00	BUD	iLoc	HH2	???	_
(Station ML : 1.8 1)																								
MODS	0.80	52.2	Pn	10:35:02.052	-0.8					T__				---		15302571	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.80	52.2	Lg	10:35:13.971	-0.5					T__				---		15302572	FDSN	SK	--	BUD	iLoc	HHN	???	_
ARSA	0.84	220.9	Pg	10:35:02.361	-0.4					T__		0.2	0.08	---		15302573	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.84	220.9	Sn	10:35:13.637	-1.9					T__				---		15302574	FDSN	OE	--	BUD	iLoc	BHN	???	_
KRUC	1.17	2.0	Pn	10:35:08.674	0.6					T__				---		15302575	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	1.17	2.0	Sn	10:35:24.257	0.2					T__				---		15302576	FDSN	CZ	--	BUD	iLoc	BHE	???	_
MOA	1.39	269.1	Pg	10:35:12.482	-0.4					T__		0.7	0.18	---		15302577	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	1.39	269.1	Lg	10:35:32.214	1.3					T__		0.1	0.06	---		15302578	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.43	6.9	Pn	10:35:12.500	0.9					T__				---		15302579	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.43	6.9	Pn	10:35:12.600	0.9					T__				---		15302580	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.43	6.9	Sn	10:35:30.400	-0.0					T__		2.9	0.22	---		15302581	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.43	6.9	Sn	10:35:30.400	-0.0					T__				---		15302582	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/06/14	11:42:07.46	1.83	0.87	48.4668	17.3763	21.7	3.6	155	0.0S		8	4	205	0.11	1.15	m	sx BUD	15302603	iLoc			232
(description : suspected quarry blast)																						
(locality : Rohoznik Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.1	3 ILOC	15302603

Sta	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	215.2	Pg	11:42:10.851	0.4					T__				---		15302605	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.11	215.2	Lg	11:42:12.571	-0.4					T__				---		15302606	FDSN	SK	--	BUD	iLoc	HHE	???	_
A335A	0.64	91.4	Pg	11:42:21.068	0.6					T__		69.8		---	MLv	15302607	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A335A	0.64	91.4	Lg	11:42:29.955	-0.5					T__				---		15302608	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
(Station ML : 1.7 1)																								
VYHS	0.97	87.9	Pn	11:42:28.465	0.7					T__		6.3		---	MLv	15302609	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.97	87.9	Lg	11:42:40.011	-1.1					T__				---		15302610	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 0.8 1)																								
CONA	1.15	242.6	Pn	11:42:30.008	-0.5					T__		33.5		---	MLv	15302611	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
CONA	1.15	242.6	Lg	11:42:44.048	-0.9					T__				---		15302612	FDSN	OE	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/06/14	12:34:11.30	0.07	0.23	47.7416	16.1073	0.5	0.4	121	7.8F	0.8	32	89	0.13	1.60	a	ke	IPEC	15274556	ISC			360
2019/06/14	12:34:11.30			47.7900	16.1000				10.0A		18					a	ke	PRU	15274559	ISC		360
2019/06/14	12:34:11.19	0.15	1.08	47.7460	16.1070	1.1	1.0	115	9.4F	1.7	39	4	0.14	2.34	a	ke	VIE	15274552	ISC			360
2019/06/14	12:34:11.15	0.69	0.92	47.7783	16.1177	3.0	2.3	34	9.4F	4.9	83	41	27	0.14	2.44	m	ke	BUD	15302666	iLoc		41

Magnitude	Err	Nsta	Author	OrigID
ML	2.4		IPEC	15274556
mb	2.0		VIE	15274552
m1	2.5		VIE	15274552
ML	2.5	0.2	26 ILOC	15302666

Sta	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	123.0	Pg	12:34:14.387	-0.3					T__		63.5	0.06	---		15302668	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.14	123.0	Lg	12:34:16.522	-0.7					T__		307.7	0.12	---		15302669	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.23	311.1	Pg	12:34:16.022	-0.2					T__		934.5		---	MLv	15302670	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
CONA	0.23	311.1	Lg	12:34:19.721	0.0					T__				---		15302671	FDSN	OE	--	BUD	iLoc	BHE	???	_
CONA	0.23	311.1	Lg	12:34:19.582	-0.1					T__		41.9	0.10	---		15302672	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.9 0																								
A004A	0.26	45.4	Lg	12:34:23.436	2.9					T__				---		15302673	FDSN	Z3	00	BUD	iLoc	HHE	???	_
SOP	0.31	107.6	Pg	12:34:17.317	-0.4					T__		587.0		---	MLv	15302674	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
SOP	0.31	107.6	Lg	12:34:21.897	-0.3					T__				---		15302675	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.9 0																								
A011B	0.39	196.3	Pg	12:34:18.251	-0.7					T__		329.9		---	MLv	15302676	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A011B	0.39	196.3	Lg	12:34:23.362	-0.7					T__				---		15302677	FDSN	Z3	00	BUD	iLoc	HH3	???	_
(Station ML : 1.9 0																								
A013A	0.56	301.1	Pg	12:34:22.568	0.5					T__		1505.2		---	MLv	15302678	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A013A	0.56	301.1	Lg	12:34:31.221	1.8					T__				---		15302679	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 3.0 0																								
A003A	0.63	91.4	Pg	12:34:23.943	0.1					T__		724.4		---	MLv	15302680	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A003A	0.63	91.4	Lg	12:34:33.292	0.3					T__				---		15302681	FDSN	Z3	00	BUD	iLoc	HH2	???	_
(Station ML : 2.7 1																								
A260A	0.64	140.9	Pg	12:34:23.632	-0.3					T__		420.8		---	MLv	15302682	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A260A	0.64	140.9	Lg	12:34:32.218	-0.2					T__				---		15302683	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 2.5 1																								
ARSA	0.66	217.6	Lg	12:34:31.920	-0.6					T__		15.0	0.12	---		15302684	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.66	217.6	Pg	12:34:23.321	-0.8					T__		344.7		---	MLv	15302685	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
ARSA	0.66	217.6	Lg	12:34:31.768	-0.8					T__				---		15302686	FDSN	OE	--	BUD	iLoc	BHE	???	_
(Station ML : 2.4 1																								
A008A	0.67	332.3	Pg	12:34:24.611	0.6					T__		1985.5		---	MLv	15302687	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A008A	0.67	332.3	Lg	12:34:33.800	0.6					T__				---		15302688	FDSN	Z3	00	BUD	iLoc	HH2	???	_
(Station ML : 3.2 0																								
A019A	0.77	244.9	Pg	12:34:25.933	-0.4					T__		231.9		---	MLv	15302689	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A019A	0.77	244.9	Lg	12:34:36.620	0.3					T__				---		15302690	FDSN	Z3	00	BUD	iLoc	HH3	???	_
(Station ML : 2.3 1																								
EGYH	0.90	113.3	Pn	12:34:29.313	0.3					T__		520.9		---	MLv	15302691	FDSN	HU	--	BUD	iLoc	HHE	HHZ	_
EGYH	0.90	113.3	Lg	12:34:41.128	-0.6					T__				---		15302692	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 2.7 1																								
A262A	0.96	162.9	Pn	12:34:31.863	2.0					T__		248.1		---	MLv	15302693	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A262A	0.96	162.9	Sn	12:34:43.706	0.4					T__				---		15302694	FDSN	Z3	00	BUD	iLoc	HHN	???	_

(Station ML : 2.4 1											
MODS	0.98	52.1	Pn	12:34:29.351	-1.1	T__			15302695	FDSN SK	-- BUD iLoc HHZ ??? _
MODS	0.98	52.1	Sn	12:34:44.015	-0.8	T__			15302696	FDSN SK	-- BUD iLoc HHE ??? _
A007A	1.02	337.5	Pg	12:34:30.615	-0.0	T__	457.1	MLv	15302697	FDSN Z3	00 BUD iLoc HHZ HHZ _
A007A	1.02	337.5	Lg	12:34:44.279	-0.9	T__			15302698	FDSN Z3	00 BUD iLoc HHZ ??? _
(Station ML : 2.7 1											
A261A	1.08	139.3	Pg	12:34:32.983	0.7	T__	276.7	MLv	15302699	FDSN Z3	00 BUD iLoc HHZ HHZ _
A261A	1.08	139.3	Sn	12:34:46.642	0.1	T__			15302700	FDSN Z3	00 BUD iLoc HHE ??? _
(Station ML : 2.5 1											
MPLH	1.14	121.7	Pg	12:34:34.614	1.2	T__	168.3	MLv	15302701	FDSN HU	-- BUD iLoc HHZ HHZ _
MPLH	1.14	121.7	Sn	12:34:48.107	0.1	T__			15302702	FDSN HU	-- BUD iLoc HHE ??? _
(Station ML : 2.4 1											
MOA	1.25	274.0	Pg	12:34:35.156	0.1	T__	4.8	0.12	15302703	FDSN IR	-- ISC iLoc ??? ??? _
MOA	1.25	274.0	Lg	12:34:52.091	0.6	T__	27.0	0.50	15302704	FDSN IR	-- ISC iLoc ??? ??? _
A268A	1.27	105.2	Pg	12:34:35.904	-0.0	T__	117.1	MLv	15302705	FDSN Z3	00 BUD iLoc HHZ HHZ _
A268A	1.27	105.2	Sn	12:34:52.603	1.1	T__			15302706	FDSN Z3	00 BUD iLoc HHN ??? _
(Station ML : 2.3 1											
KRUC	1.30	8.1	Sn	12:34:53.100	0.9	T__			15302707	FDSN IR	-- ISC iLoc ??? ??? _
KRUC	1.30	8.1	Pn	12:34:35.471	0.6	T__			15302708	FDSN CZ	-- BUD iLoc BHZ ??? _
KRUC	1.30	8.1	Sn	12:34:52.996	0.8	T__			15302709	FDSN CZ	-- BUD iLoc BHN ??? _
SOKA	1.33	214.3	Pn	12:34:34.796	-0.9	T__	3.1	0.60	15302710	FDSN IR	-- ISC iLoc ??? ??? _
SOKA	1.33	214.3	Sn	12:34:52.355	-0.8	T__	2.9	0.52	15302711	FDSN IR	-- ISC iLoc ??? ??? _
KOGS	1.33	176.1	Pg	12:34:37.618	1.1	T__	496.9	MLv	15302712	FDSN SL	-- BUD iLoc BHZ BHZ _
KOGS	1.33	176.1	Lg	12:34:53.626	-0.3	T__			15302713	FDSN SL	-- BUD iLoc BHN ??? _
(Station ML : 2.9 0											
BEHE	1.38	160.8	Pg	12:34:37.913	0.2	T__	167.3	MLv	15302714	FDSN HU	-- BUD iLoc BHZ BHZ _
BEHE	1.38	160.8	Lg	12:34:55.644	-0.1	T__			15302715	FDSN HU	-- BUD iLoc BHN ??? _
(Station ML : 2.5 1											
TIH	1.49	125.5	Pg	12:34:40.441	0.6	T__	291.6	MLv	15302716	FDSN HU	-- BUD iLoc HHZ HHZ _
(Station ML : 2.8 0											
JAVC	1.50	43.2	Pg	12:34:39.868	-0.8	T__			15302717	FDSN CZ	-- BUD iLoc BHZ ??? _
JAVC	1.50	43.2	Lg	12:35:01.134	-0.5	T__			15302718	FDSN CZ	-- BUD iLoc BHE ??? _
JAVC	1.50	43.2	Pn	12:34:38.300	0.5	T__			15302719	FDSN IR	-- ISC iLoc ??? ??? _
CSKK	1.51	105.2	Pg	12:34:40.427	0.0	T__	75.6	MLv	15302720	FDSN HU	-- BUD iLoc HHZ HHZ _
(Station ML : 2.2 1											
A338A	1.52	80.2	Pg	12:34:41.058	0.1	T__	171.1	MLv	15302721	FDSN Z3	00 BUD iLoc HHZ HHZ _
A338A	1.52	80.2	Lg	12:35:02.238	-0.1	T__			15302722	FDSN Z3	00 BUD iLoc HH3 ??? _
(Station ML : 2.6 1											
VRAC	1.56	11.5	Sn	12:34:59.300	0.5	T__	21.6	0.33	15302723	FDSN IR	-- ISC iLoc ??? ??? _
VRAC	1.56	11.5	Lg	12:34:59.400	-3.0	T__			15302724	FDSN IR	-- ISC iLoc ??? ??? _
VRAC	1.56	11.5	Pn	12:34:39.238	0.7	T__			15302725	FDSN CZ	-- BUD iLoc BHZ ??? _
VRAC	1.56	11.5	Sn	12:34:59.823	1.0	T__			15302726	FDSN CZ	-- BUD iLoc BHZ ??? _
TREC	1.57	344.8	Pg	12:34:40.410	-0.7	T__	347.9	MLv	15302727	FDSN CZ	-- BUD iLoc HHZ HHZ _
TREC	1.57	344.8	Lg	12:35:01.012	-1.0	T__			15302728	FDSN CZ	-- BUD iLoc HHZ ??? _
(Station ML : 2.9 0											
CKRC	1.60	311.5	Pg	12:34:40.736	-0.3	T__			15302729	FDSN CZ	-- BUD iLoc BHZ ??? _
CKRC	1.60	311.5	Lg	12:35:01.668	-0.6	T__			15302730	FDSN CZ	-- BUD iLoc BHZ ??? _
CKRC	1.60	311.5	Lg	12:35:01.400	-1.0	T__	25.1	0.30	15302731	FDSN IR	-- ISC iLoc ??? ??? _
OBKA	1.66	220.7	Pg	12:34:41.456	-0.4	T__	43.1	MLv	15302732	FDSN OE	-- BUD iLoc BHZ BHZ _
OBKA	1.66	220.7	Pn	12:34:40.510	0.1	T__	4.2	0.28	15302733	FDSN IR	-- ISC iLoc ??? ??? _
OBKA	1.66	220.7	Lg	12:35:04.681	0.4	T__	3.3	0.34	15302734	FDSN IR	-- ISC iLoc ??? ??? _
(Station ML : 2.1 0											
BIOA	1.68	267.9	Pg	12:34:42.280	-0.7	T__	6.6	0.22	15302735	FDSN IR	-- ISC iLoc ??? ??? _

BIOA	1.68	267.9	Lg	12:35:04.577	-0.1	T__	1.0	0.10	---	15302736	FDSN	IR	--	ISC	iLoc	???	???	_
A332A	1.87	55.9	Pn	12:34:43.536	0.8	T__	93.8		---	15302737	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A332A	1.87	55.9	Sn	12:35:07.009	-0.0	T__			---	15302738	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 2.5 1																		
VYHS	1.96	67.5	Pn	12:34:44.015	0.2	T__	10.0		---	15302739	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.6 0																		
ZVC	2.10	323.2	Lg	12:35:16.200	-1.3	T__	22.3	0.30	---	15302740	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	2.17	309.6	Lg	12:35:20.000	-0.3	T__	12.8	0.30	---	15302741	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	2.17	140.5	Pn	12:34:47.206	0.9	T__	46.7		---	15302742	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.4 1																		
MORC	2.21	24.7	Pn	12:34:48.746	1.0	T__			---	15302743	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MORC	2.21	24.7	Sn	12:35:15.335	-0.1	T__			---	15302744	FDSN	CZ	--	BUD	iLoc	BHN	???	_
MORC	2.21	24.7	Pn	12:34:48.500	0.8	T__			---	15302745	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	2.21	24.7	Sn	12:35:14.600	-0.8	T__			---	15302746	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	2.33	131.2	Pn	12:34:49.176	0.7	T__	22.2		---	15302747	FDSN	HU	--	BUD	iLoc	HHE	HHZ	_
(Station ML : 2.1 1																		
LESA	2.36	262.6	Lg	12:35:25.944	-0.4	T__	2.4	0.38	---	15302748	FDSN	IR	--	ISC	iLoc	???	???	_
PRU	2.44	335.4	Lg	12:35:24.774	-3.5	T__			---	15302749	FDSN	CZ	--	BUD	iLoc	BHN	???	_
PRU	2.44	335.4	Lg	12:35:28.100	-0.2	T__	14.9	0.40	---	15302750	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/06/17	07:52:47.90		1.80	45.9160	16.2490				0.0A							a	ke LJU	15274625	ISC			360
2019/06/17	07:52:48.37	1.19	1.76	45.9011	16.2376	7.8	3.2	143	0.2F	1.7	19	11	165	0.19	1.31	m	ke BUD	15302626	iLoc			184

Magnitude	Err	Nsta	Author	OrigID
ML	1.2		LJU	15274625
ML	2.0	0.3	3 ILOC	15302626

Sta	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	272.0	Pg	07:52:51.834	-0.5					T__		1593.4		_d	MLv	15302628	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.19	272.0	Lg	07:52:53.392	-1.9					T__				---	---	15302629	FDSN	CR	--	BUD	iLoc	BHE	???	_
PTJ	0.19	271.9	Lg	07:52:53.530	-2.4					T__				---	---	15302630	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.0 1																								
ZAG	0.19	247.1	Pg	07:52:52.942	0.6					T__		1015.7		---	MLv	15302631	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.19	247.1	Lg	07:52:55.539	0.3					T__				---	---	15302632	FDSN	CR	--	BUD	iLoc	BHE	???	_
(Station ML : 1.8 1																								
KALN	0.28	33.4	Pg	07:52:52.040	-2.6					T__				---	---	15302633	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.28	33.4	Pb	07:52:55.810	1.2					T__				---	---	15302634	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.28	33.4	Lg	07:53:00.190	1.0					T__				---	---	15302635	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.28	335.2	Pg	07:52:54.650	0.4					T__				---	---	15302636	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.28	335.2	Lg	07:52:57.740	-0.7					T__				---	---	15302637	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.43	265.7	Pg	07:52:56.690	-0.0					T__				---	---	15302638	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.43	265.7	Lg	07:53:02.060	-0.8					T__				---	---	15302639	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.43	265.7	IAML	07:53:03.350	-99.0					---		13.9	0.18	---	---	15302640	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.44	284.6	Pg	07:52:57.400	0.3					T__				---	---	15302641	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.44	284.6	IAML	07:53:03.810	-99.0					---		6.2	0.13	---	---	15302642	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.55	0.9	Lg	07:53:07.622	0.7					T__				---	---	15302643	FDSN	SL	--	BUD	iLoc	BHN	???	_
CRES	0.55	262.4	Pg	07:52:59.036	-0.0					T__		265.1		---	MLv	15302644	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.55	262.4	Lg	07:53:05.302	-1.8					T__				---	---	15302645	FDSN	SL	--	BUD	iLoc	BHN	???	_
CRES	0.55	262.4	IAML	07:53:08.230	-99.0					---		12.4	0.21	---	---	15302646	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.2 1																								

BEHE	0.68	33.1	Sn	07:53:15.978	-0.6	T__	---	15302647	FDSN	HU	--	BUD	iLoc	HHN	???	_
BELGA	0.92	62.6	Sn	07:53:23.475	1.7	T__	---	15302648	FDSN	HU	--	BUD	iLoc	HHE	???	_
KOVH	1.31	81.1	Lg	07:53:35.908	4.3	T__	---	15302649	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/06/17	09:53:04.98	1.24	0.56	48.5695	20.7753	7.5	4.9	18	0.0S	13	7	186	0.21	1.29	m	sx	BUD	15302897	iLoc			256
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.4	7 ILOC	15302897

Sta	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	246.0	Pg	09:53:09.660	0.2					T__		1038.0		---	MLv	15302899	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.21	246.0	Lg	09:53:12.500	-0.4					T__		1.0		---		15302900	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	0.21	246.0	Lg	09:53:13.668	0.8					T__				---		15302901	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.9 0)																								
ABAH	0.41	131.3	Pg	09:53:13.947	0.5					T__		46.3		---	MLv	15302902	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.41	131.3	Lg	09:53:19.765	-0.9					T__				---		15302903	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.1 1)																								
HU02A	0.48	200.6	Pg	09:53:14.957	-0.1					T__		31.1		---	MLv	15302904	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.48	200.6	Lg	09:53:21.959	-0.9					T__				---		15302905	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 1.1 1)																								
PSZ	0.88	222.4	Pg	09:53:23.751	0.2					T__		25.4		---	MLv	15302906	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.88	222.4	Lg	09:53:36.569	-0.1					T__				---		15302907	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.4 1)																								
HU03A	1.03	230.2	Pg	09:53:26.837	0.6					T__		41.9		---	MLv	15302908	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.7 1)																								
LANS	1.04	304.4	Pg	09:53:25.212	-0.3					T__		40.7		---	MLv	15302909	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 1.7 1)																								
VYHS	1.29	267.4	Pg	09:53:30.892	-0.0					T__		5.6		---	MLv	15302910	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.29	267.4	Sn	09:53:48.475	-0.3					T__				---		15302911	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
2019/06/18	06:32:37.48	1.60	0.92	47.9019	20.0915	14.9	3.7	164	0.0S	8	5	217	0.13	1.03	m	kx	BUD	15302874	iLoc			246
2019/06/18	06:32:37.46f	0.72	47.8987	20.0893f					0.0S	8	218	0.13	1.03	a	kx	BUD_GT	15328067	BUD				246
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Recsk Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	0.9	0.9	3 BUD	15302874
ML	1.5	0.0	3 ILOC	15328067

Sta	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	06:32:40.946	0.0					T__		700.9		---	MLv	15329822	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.13	278.6	Lg	06:32:43.162	-0.7					T__				---		15329823	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.5 1)																								

HU03A	0.33	271.1	Lg	06:32:50.829	0.8	T__									15329824	FDSN	ZJ	00	BUD	BUD	HHE	???	_
HU02A	0.37	52.4	Pg	06:32:45.130	-0.3	T__				145.9					15329825	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.37	52.4	Lg	06:32:52.001	0.2	T__									15329826	FDSN	ZJ	00	BUD	BUD	HHZ	???	_
(Station ML : 1.5 1																							
KECS	0.64	24.2	Lg	06:33:00.716	0.5	T__									15329827	FDSN	SK	--	BUD	BUD	EHE	???	_
VYHS	1.03	305.9	Pg	06:32:59.182	0.9	T__				6.1					15329828	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
VYHS	1.03	305.9	Lg	06:33:11.933	-1.3	T__									15329829	FDSN	SK	--	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/06/18	07:09:23.56	0.97	1.11	46.8946	17.3750	5.5	4.5	109	0.0S		11	9	75	0.17	1.11	m	kx	BUD	15302942	iLoc		132	
2019/06/18	07:09:22.99f		1.24	46.8548	17.2699f				0.0S		11		97	0.13	1.14	a	kx	BUD_GT	15328071	BUD		142	
(GT info : GT2 explosion)																							
(description : known quarry blast)																							
(locality : Várvölgy Hungary)																							

Magnitude	Err	Nsta	Author	OrigID
ML	-0.4	0.1	3 BUD	15302942
ML	1.8	0.4	3 ILOC	15328071

Sta	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	07:09:27.192	1.0					T__		7809.9			MLv	15329830	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A261A	0.13	319.5	Lg	07:09:30.087	1.2					T__						15329831	FDSN	Z3	00	BUD	BUD	HHN	???	_
(Station ML : 2.5 1																								
MPLH	0.37	30.2	Pg	07:09:30.028	-0.8					T__		321.4			MLv	15329832	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MPLH	0.37	30.2	Lg	07:09:34.286	-2.5					T__						15329833	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 1.8 1																								
BEHE	0.51	221.7	Sn	07:09:45.575	-1.5					T__						15329835	FDSN	HU	--	BUD	BUD	HHE	???	_
EGYH	0.56	4.3	Lg	07:09:44.350	0.9					T__						15329834	FDSN	HU	--	BUD	BUD	HHE	???	_
A264A	0.70	178.9	Sn	07:09:48.970	-2.0					T__						15329837	FDSN	Z3	00	BUD	BUD	HHN	???	_
A268A	0.73	37.5	Lg	07:09:49.504	-0.2					T__						15329836	FDSN	Z3	00	BUD	BUD	HHE	???	_
CSKK	0.85	52.7	Sn	07:09:54.963	-0.2					T__						15329838	FDSN	HU	--	BUD	BUD	HHE	???	_
KOVH	0.96	142.9	Pg	07:09:42.353	0.0					T__		35.5			MLv	15329839	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
(Station ML : 1.6 1																								
MORH	1.14	123.5	Sn	07:10:01.222	-0.6					T__						15329840	FDSN	HU	--	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/06/18	08:50:50.63	2.21	0.65	48.5575	20.8280	13.2	12.9	122	0.0S		10	8	109	0.24	1.33	m	sx	BUD	15302968	iLoc		160	
(description : suspected quarry blast)																							
(locality : Dvorniky-Vcelare Slovakia)																							

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.2	3 ILOC	15302968

Sta	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	252.0	Pg	08:50:55.568	-0.0					T__		676.1			MLv	15302970	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.24	252.0	Lg	08:50:59.650	0.2					T__						15302971	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.8 1																								
HU02A	0.48	205.0	Lg	08:51:08.502	-0.1					T__						15302972	FDSN	ZJ	00	BUD	iLoc	HHE	???	_

PSZ	0.89	224.6	Pn	08:51:10.122	0.6	T__	46.8	---	MLv	15302973	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	0.89	224.6	Lg	08:51:22.761	-0.1	T__		---		15302974	FDSN	GE	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.7 1																			
STHS	0.90	17.5	Pn	08:51:09.187	-0.5	T__	92.7	---	MLv	15302975	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_	
(Station ML : 2.0 1																			
HU07A	0.93	128.1	Sn	08:51:26.056	0.9	T__		---		15302976	FDSN	ZJ	00	BUD	iLoc	HHE	???	_	
KOLS	1.03	68.0	Sn	08:51:29.177	0.8	T__		---		15302977	FDSN	SK	--	BUD	iLoc	HHE	???	_	
TRPA	1.22	109.9	Sn	08:51:32.689	0.2	T__		---		15302978	FDSN	HU	--	BUD	iLoc	HHN	???	_	
VYHS	1.33	268.0	Sn	08:51:34.356	-0.9	T__		---		15302979	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
2019/06/18	08:59:51.46	0.94	0.89	47.9423	20.0599	6.2	3.3	158	0.0S	11	7	97	0.11	1.53	m	sx	BUD	15303008	iLoc			191
(description : suspected quarry blast)																						
(locality : Recsk Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.3	4 ILOC	15303008

Sta	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	257.9	Pg	08:59:54.723	0.2					T__		2076.4		---	MLv	15303010	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.11	257.9	Lg	08:59:55.981	-1.2					T__				---		15303011	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.9 1																								
HU03A	0.31	263.1	Lg	09:00:04.361	1.0					T__				---		15303012	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
HU23A	0.33	157.1	Lg	09:00:04.403	0.1					T__				---		15303013	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
HU02A	0.36	59.9	Pg	08:59:58.822	-0.5					T__	197.3			---	MLv	15303014	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.36	59.9	Lg	09:00:05.332	-0.1					T__				---		15303015	FDSN	ZJ	00	BUD	iLoc	HHZ	???	_
(Station ML : 1.6 1																								
KECS	0.61	27.6	Pg	09:00:04.347	0.6					T__	148.8			---	MLv	15303016	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.61	27.6	Lg	09:00:14.123	1.0					T__				---		15303017	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 2.0 1																								
VYHS	0.99	304.5	Pn	09:00:12.323	0.7					T__	9.8			---	MLv	15303018	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.99	304.5	Lg	09:00:24.497	-1.3					T__				---		15303019	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.0 1																								
A268A	1.53	251.3	Sn	09:00:40.345	-0.1					T__				---		15303020	FDSN	Z3	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
2019/06/18	10:17:06.97	1.54	0.42	46.1149	18.0848	11.3	5.3	102	0.0S	5	3	182	0.03	1.12	m	kx	BUD	15302993	iLoc			276
2019/06/18	10:17:06.10f	0.83	0.83	46.1254	18.0152f				0.0S	5		220	0.07	1.10	a	kx	BUD_GT	15328079	BUD			315
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Bükkösd-II Hungary)																						

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	0.07	122.2	Pg	10:17:08.384	0.2					T__		796.7		---	MLv	15329841	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.07	122.2	Lg	10:17:09.440	-0.7					T__				---		15329842	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.45	78.1	Pg	10:17:15.672	0.2					T__		7.3		---	MLv	15329843	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_

MORH	0.45	78.1	Lg	10:17:21.662	-1.0	T__								15329844	FDSN	HU	--	BUD	BUD	BHE	???	_
MPLH	1.10	342.8	Lg	10:17:45.568	1.4	T__								15329845	FDSN	HU	--	BUD	BUD	BHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/06/18	11:20:41.60	0.94	1.12	46.8289	17.3331	5.5	4.7	57	0.0S		18	11	105	0.18	1.49	m	kx	BUD	15303038	iLoc		145
2019/06/18	11:20:41.83f		1.39	46.8548	17.2699f				0.0S		18		117	0.13	1.44	a	kx	BUD_GT	15328083	BUD		147

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.2	6 BUD	15303038
ML	1.5	0.1	6 ILOC	15328083

Sta	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	11:20:45.202	0.1					T__		2127.6			MLv	15329846	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A261A	0.13	319.5	Lg	11:20:50.138	2.4					T__						15329847	FDSN	Z3	00	BUD	BUD	HHN	???	_
(Station ML : 2.0 0)																								
A263A	0.22	171.8	Lg	11:20:49.984	-0.5					T__						15329848	FDSN	Z3	00	BUD	BUD	HHN	???	_
MPLH	0.37	30.2	Pg	11:20:50.691	1.1					T__		135.0			MLv	15329849	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MPLH	0.37	30.2	Lg	11:20:53.544	-2.1					T__						15329850	FDSN	HU	--	BUD	BUD	BHN	???	_
MPLH	0.37	30.2	Lg	11:20:55.900	0.1					T__		0.1				15329851	FDSN	IR	--	ISC	BUD	???	???	_
(Station ML : 1.4 1)																								
TIH	0.43	83.7	Lg	11:20:55.364	-2.3					T__						15329852	FDSN	HU	--	BUD	BUD	HHN	???	_
EGYH	0.56	4.3	Sn	11:21:05.236	-1.9					T__						15329853	FDSN	HU	--	BUD	BUD	HHE	???	_
A268A	0.73	37.5	Sn	11:21:10.152	-0.8					T__						15329854	FDSN	Z3	00	BUD	BUD	HHE	???	_
CSKK	0.85	52.7	Pg	11:20:58.789	-0.1					T__		73.4			MLv	15329855	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
(Station ML : 1.8 1)																								
KOVH	0.96	142.9	Pg	11:21:00.540	-0.6					T__		27.2			MLv	15329856	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.96	142.9	Lg	11:21:14.282	-0.5					T__						15329857	FDSN	HU	--	BUD	BUD	BHN	???	_
KOVH	0.96	142.9	Lg	11:21:14.600	-0.2					T__		0.0				15329858	FDSN	IR	--	ISC	BUD	???	???	_
(Station ML : 1.5 1)																								
MORH	1.14	123.5	Pn	11:21:03.175	-0.6					T__		10.2			MLv	15329859	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	1.14	123.5	Sn	11:21:19.118	-1.6					T__						15329860	FDSN	HU	--	BUD	BUD	BHE	???	_
(Station ML : 1.1 0)																								
ARSA	1.26	289.0	Sn	11:21:26.019	2.7					T__						15329861	FDSN	OE	--	BUD	BUD	HHN	???	_
CONA	1.44	318.8	Pg	11:21:09.472	-0.7					T__		21.5			MLv	15329862	FDSN	OE	--	BUD	BUD	BHZ	BHZ	_
CONA	1.44	318.8	Lg	11:21:30.288	1.5					T__						15329863	FDSN	OE	--	BUD	BUD	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/06/19	08:39:51.37	0.84	0.97	48.3152	19.0067	5.8	3.3	36	0.0S		22	15	69	0.21	1.75	m	sx	BUD	15303085	iLoc		112

(description : suspected quarry blast)
(locality : Krupina Slovakia)

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.1	5 ILOC	15303085

Sta	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	327.6	Pg	08:39:56.462	0.5	T__	145.7	---	MLv	15303087	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_	
VYHS	0.21	327.6	Lg	08:39:59.508	0.1	T__		---		15303088	FDSN	SK	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.1 0)																			
A335A	0.47	286.7	Pg	08:40:01.291	0.3	T__	200.4	---	MLv	15303089	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
(Station ML : 1.9 1)																			
A270A	0.47	179.0	Lg	08:40:08.677	-0.3	T__		---		15303090	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
HU03A	0.57	135.8	Lg	08:40:12.597	0.5	T__		---		15303091	FDSN	ZJ	00	BUD	iLoc	HHN	???	_	
PSZ	0.72	123.4	Pn	08:40:07.333	-0.5	T__	83.8	---	MLv	15303092	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	0.72	123.4	Lg	08:40:17.027	-0.6	T__		---		15303093	FDSN	GE	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.8 1)																			
KECS	1.00	79.8	Pn	08:40:11.626	0.0	T__	117.7	---	MLv	15303094	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_	
KECS	1.00	79.8	Lg	08:40:25.821	-0.6	T__		---		15303095	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Station ML : 2.1 0)																			
HU02A	1.03	100.2	Pg	08:40:13.282	0.7	T__	96.5	---	MLv	15303096	FDSN	ZJ	00	BUD	iLoc	HHE	HHZ	_	
HU02A	1.03	100.2	Lg	08:40:26.892	-1.5	T__		---		15303097	FDSN	ZJ	00	BUD	iLoc	HHE	???	_	
(Station ML : 2.1 1)																			
JAVC	1.04	302.0	Lg	08:40:27.760	-0.6	T__		---		15303098	FDSN	CZ	--	BUD	iLoc	BHN	???	_	
JAVC	1.04	302.0	Pn	08:40:12.600	-0.1	T__		---		15303099	FDSN	IR	--	ISC	iLoc	???	???	_	
JAVC	1.04	302.0	Lg	08:40:27.200	-1.2	T__		---		15303100	FDSN	IR	--	ISC	iLoc	???	???	_	
CSKK	1.08	208.1	Sn	08:40:29.145	-0.6	T__		---		15303101	FDSN	HU	--	BUD	iLoc	HHN	???	_	
A268A	1.15	219.9	Sn	08:40:31.261	-0.0	T__		---		15303102	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
MODS	1.16	273.5	Sn	08:40:29.907	-2.2	T__		---		15303103	FDSN	SK	--	BUD	iLoc	HHN	???	_	
NIE	1.40	37.5	Sn	08:40:39.346	0.9	T__		---		15303104	FDSN	PL	--	BUD	iLoc	BHE	???	_	
A267A	1.41	194.7	Sn	08:40:38.658	0.9	T__		---		15303105	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
MPLH	1.51	221.4	Sn	08:40:40.570	0.4	T__		---		15303106	FDSN	HU	--	BUD	iLoc	BHN	???	_	
MORC	1.75	327.2	Sn	08:40:45.140	-2.2	T__		---		15303107	FDSN	CZ	--	BUD	iLoc	BHN	???	_	
MORC	1.75	327.2	Pn	08:40:22.900	0.4	T__		---		15303108	FDSN	IR	--	ISC	iLoc	???	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/06/19 09:34:49.26 1.75 2.32 48.7417 18.5871 15.6 6.7 10 0.0S 9 6 193 0.30 1.43 m sx BUD 15303130 iLoc 227
 (description : suspected quarry blast)
 (locality : Hostie Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.9 0.9 4 ILOC 15303130

Sta	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	0.30	146.2	Pn	09:34:58.985	-1.9					T__		33.5		---	MLv	15303132	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.30	146.2	Lg	09:35:02.793	2.7					T__				---		15303133	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 0.7 1)																								
A335A	0.34	209.6	Pg	09:34:55.654	-0.7					T__	473.1			---	MLv	15303134	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.9 1)																								
JAVC	0.62	281.3	Pn	09:35:07.364	2.1					---				---		15303135	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.62	281.3	Sn	09:35:18.801	2.9					T__				---		15303136	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A270A	0.94	162.0	Pg	09:35:07.758	-0.7					T__	3369.0			---	MLv	15303137	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A270A	0.94	162.0	Sn	09:35:09.357	-15.0					---				---		15303138	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 3.6 1)																								
MODS	0.95	247.5	Pn	09:35:09.095	-0.1					T__				---		15303139	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.95	247.5	Sn	09:35:21.489	-3.3					T__				---		15303140	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	1.20	132.9	Pg	09:35:13.896	-0.4					T__	42.2			---	MLv	15303141	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.20	132.9	Sn	09:35:23.942	-7.2					---				---		15303142	FDSN	GE	--	BUD	iLoc	HHN	???	_

(Station ML : 1.8 1
 HU02A 1.43 114.9 Lg 09:35:39.321 0.8 T__ --- 15303143 FDSN ZJ 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
2019/06/19	09:44:41.78	0.34	0.64	47.3585	18.3655	4.3	3.4	128	0.0A	0.0	10	8	109	0.07	1.85	m	sx BUD	15245042	scolv@krszo			360
2019/06/19	09:44:39.51	2.08	0.61	47.3723	18.3805	16.8	4.7	137	0.0S		9	7	109	0.08	1.30	m	sx BUD_GT	15303161	iLoc		155	

(GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)
 (description : suspected quarry blast)
 (locality : Gánt Hungary)

Magnitude	Err	Nsta	Author	OrigID
M	1.3	2	BUD	15245042
MLv	1.3	0.5	2 BUD	15245042

Sta	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	263.7	Pg	09:44:41.953	0.1					T__		1577.7		---	MLv	15303163	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.08	263.7	Lg	09:44:43.423	-0.7					T__				---		15303164	FDSN	HU	--	BUD	iLoc	HHN	???	_
A269A	0.27	0.3	Lg	09:44:50.151	-0.2					T__				---		15303165	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A268A	0.32	280.9	Lg	09:44:52.417	0.4					T__				---		15303166	FDSN	Z3	00	BUD	iLoc	HHN	???	_
PSZ	1.16	61.4	Sn	09:45:19.742	-0.4					T__				---		15303167	FDSN	GE	--	BUD	iLoc	BHE	???	_
VYHS	1.16	15.1	Pg	09:45:03.435	0.4					T__		6.4		---	MLv	15303168	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.16	15.1	Lg	09:45:19.568	-0.5					T__				---		15303169	FDSN	SK	--	BUD	iLoc	HHN	???	_
MORH	1.17	171.0	Sn	09:45:18.668	-0.8					T__				---		15303170	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOVH	1.30	188.6	Sn	09:45:23.239	0.5					T__				---		15303171	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
2019/06/19	10:04:03.97	1.26	1.17	47.3631	18.4122	10.4	3.4	148	0.0S		19	14	110	0.10	1.62	m	sx BUD	15303180	iLoc			125

(description : suspected quarry blast)
 (locality : Gánt Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.3	5 ILOC	15303180

Sta	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	270.1	Pg	10:04:06.479	-0.2					T__		5182.5		---	MLv	15303182	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.10	270.1	Lg	10:04:08.323	-1.0					T__				---		15303183	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 2.3 0)																								
A269A	0.28	355.8	Lg	10:04:15.327	0.1					T__				---		15303184	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A268A	0.34	281.8	Pg	10:04:11.731	0.5					T__		145.1		---	MLv	15303185	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A268A	0.34	281.8	Lg	10:04:17.424	0.2					T__				---		15303186	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 1.4 1)																								
MPLH	0.62	252.3	Lg	10:04:26.604	0.4					T__				---		15303187	FDSN	HU	--	BUD	iLoc	BHN	???	_
A270A	0.63	40.2	Pg	10:04:17.187	-0.0					T__		108.4		---	MLv	15303188	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A270A	0.63	40.2	Lg	10:04:27.442	-0.2					T__				---		15303189	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 1.9 1)																								
EGYH	0.74	274.5	Sn	10:04:32.130	-1.3					T__				---		15303190	FDSN	HU	--	BUD	iLoc	HHE	???	_
A266A	0.84	186.9	Sn	10:04:36.209	0.1					T__				---		15303191	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A335A	1.09	357.3	Sn	10:04:44.136	1.5					T__				---		15303192	FDSN	Z3	00	BUD	iLoc	HHN	???	_

PSZ	1.15	60.5	Pn	10:04:27.227	0.9	T__								36.1	---	MLv	15303193	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	1.15	60.5	Sn	10:04:43.968	-0.3	T__									---		15303194	FDSN	GE	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.7 1																										
MORH	1.16	172.0	Sn	10:04:42.599	-1.1	T__									---		15303195	FDSN	HU	--	BUD	iLoc	BHN	???	_	
VYHS	1.17	14.0	Pg	10:04:27.642	0.0	T__								7.8	---	MLv	15303196	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_	
VYHS	1.17	14.0	Lg	10:04:44.053	-0.6	T__									---		15303197	FDSN	SK	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.0 0																										
MODS	1.27	323.3	Sn	10:04:44.215	-3.0	T__									---		15303198	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KOVH	1.29	189.7	Sn	10:04:47.446	0.4	T__									---		15303199	FDSN	HU	--	BUD	iLoc	BHE	???	_	
HUO2A	1.62	61.2	Sn	10:04:57.573	2.2	T__									---		15303200	FDSN	ZJ	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				
2019/06/20	06:49:37.25	1.04	1.04	47.5666	18.4741	8.8	4.7	119	0.0S		8	6	122	0.10	1.36	m	kx BUD	15303222	iLoc			162				
2019/06/20	06:49:37.33f		0.87	47.5600	18.4573f				0.0S		8		121	0.09	1.35	a	kx BUD_GT	15328095	BUD			161				
(GT info : GT2 explosion)																										
(description : known quarry blast)																										
(locality : Tatabánya Hungary)																										

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
A269A	0.09	327.2	Lg	06:49:42.024	-0.1					T__						15329864	FDSN	Z3	00	BUD	BUD	HHZ	???	_	
CSKK	0.24	214.2	Pg	06:49:43.023	0.4					T__		217.9			---	MLv	15329865	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.24	214.2	Lg	06:49:46.877	-0.4					T__					---		15329866	FDSN	HU	--	BUD	BUD	HHE	???	_
A270A	0.47	52.8	Lg	06:49:54.586	-0.7					T__					---		15329867	FDSN	Z3	00	BUD	BUD	HHE	???	_
VYHS	0.97	15.1	Pn	06:49:57.783	0.5					T__		8.3			---	MLv	15329868	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
VYHS	0.97	15.1	Lg	06:50:10.316	-0.9					T__					---		15329869	FDSN	SK	--	BUD	BUD	HHN	???	_
MODS	1.14	316.2	Sn	06:50:15.613	-1.8					T__					---		15329870	FDSN	SK	--	BUD	BUD	HHE	???	_
MORH	1.35	174.5	Sn	06:50:22.849	1.0					T__					---		15329871	FDSN	HU	--	BUD	BUD	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp				
2019/06/20	06:55:00.95	0.97	1.01	47.3727	18.4228	5.7	3.8	142	0.0S		20	17	111	0.11	1.98	m	sx BUD	15303240	iLoc			113				
(description : suspected quarry blast)																										
(locality : Gánt Hungary)																										

Magnitude Err Nsta Author OrigID
ML 1.8 0.0 3 ILOC 15303240

Sta	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	265.2	Pg	06:55:02.739	-1.1					T__		5217.5			---	MLv	15303242	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
CSKK	0.11	265.2	Lg	06:55:05.253	-1.3					T__					---		15303243	FDSN	HU	--	BUD	iLoc	HHE	???	_	
(Station ML : 2.3 1																										
A269A	0.27	354.1	Lg	06:55:12.682	0.8					T__					---		15303244	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
A268A	0.34	280.0	Lg	06:55:14.818	0.4					T__					---		15303245	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
A267A	0.43	174.6	Lg	06:55:17.414	0.3					T__					---		15303246	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
A270A	0.62	40.2	Lg	06:55:24.495	0.3					T__					---		15303247	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
MPLH	0.63	251.7	Pg	06:55:14.631	0.7					T__		80.9			---	MLv	15303248	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
MPLH	0.63	251.7	Lg	06:55:24.756	1.3					T__					---		15303249	FDSN	HU	--	BUD	iLoc	BHE	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/06/21	09:13:45.32	1.36	0.75	47.2319	18.3157	9.6	5.5	105	0.0S	7	5	110		0.14	1.27	m	kx BUD	15303373	iLoc			183
2019/06/21	09:13:45.54f		0.55	47.2302	18.2835f				0.0S	7		108		0.13	1.29	a	kx BUD_GT	15328105	BUD			172

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

Magnitude Err Nsta Author OrigID

Sta	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	353.4	Pg	09:13:48.946	0.1					T__		3692.5		---	MLv	15329877	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.13	353.4	Lg	09:13:51.197	-0.8					T__				---		15329878	FDSN	HU	--	BUD	BUD	HHN	???	_
MPLH	0.51	263.5	Pg	09:13:56.321	0.2					T__		47.9		---	MLv	15329879	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MPLH	0.51	263.5	Lg	09:14:04.665	0.7					T__				---		15329880	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	1.04	166.1	Lg	09:14:20.903	-0.7					T__				---		15329881	FDSN	HU	--	BUD	BUD	BHE	???	_
KOVH	1.15	186.4	Sn	09:14:24.434	-0.6					T__				---		15329882	FDSN	HU	--	BUD	BUD	BHE	???	_
PSZ	1.29	57.1	Sn	09:14:29.766	0.5					T__				---		15329883	FDSN	GE	--	BUD	BUD	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/06/22	20:57:28.95	1.03	1.18	47.6201	20.3120	6.0	3.7	129	4.6F	8.1	42	28	84	0.05	3.02	m	ke BUD	15303390	iLoc			126

Magnitude Err Nsta Author OrigID
 ML 2.1 0.1 16 ILOC 15303390

Sta	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	294.2	Pg	20:57:31.800	1.3					T__		4309.4		---	MLv	15303392	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_		
HU23A	0.05	294.2	Lg	20:57:34.310	2.5					T__				---		15303393	FDSN	ZJ	00	BUD	iLoc	HHN	???	_		
(Station ML : 2.1 1																										
PSZ	0.41	316.8	Pg	20:57:37.619	-0.2					T__		213.5		---	MLv	15303394	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	0.41	316.8	Lg	20:57:43.649	-0.7					T__				---		15303395	FDSN	GE	--	BUD	iLoc	BHE	???	_		
(Station ML : 1.8 1																										
HU02A	0.52	15.8	Pg	20:57:38.976	-0.9					T__		444.5		---	MLv	15303396	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_		
HU02A	0.52	15.8	Lg	20:57:46.664	-1.4					T__				---		15303397	FDSN	ZJ	00	BUD	iLoc	HHE	???	_		
(Station ML : 2.4 1																										
HU03A	0.56	300.8	Pg	20:57:40.683	0.1					T__		293.4		---	MLv	15303398	FDSN	ZJ	00	BUD	iLoc	HHE	HHZ	_		
HU03A	0.56	300.8	Lg	20:57:48.937	0.1					T__				---		15303399	FDSN	ZJ	00	BUD	iLoc	HHN	???	_		
(Station ML : 2.3 1																										
KECS	0.87	7.6	Pg	20:57:45.665	-0.5					T__		249.3		---	MLv	15303400	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_		
KECS	0.87	7.6	Lg	20:57:58.599	-0.5					T__				---		15303401	FDSN	SK	--	BUD	iLoc	EHN	???	_		
(Station ML : 2.4 1																										
BUD	0.88	261.6	Lg	20:57:59.477	-1.0					T__				---		15303402	FDSN	HU	--	BUD	iLoc	BHN	???	_		
HU04A	0.99	215.4	Pg	20:57:48.399	-0.6					T__		260.2		---	MLv	15303403	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_		
HU04A	0.99	215.4	Sn	20:58:02.631	0.0					T__				---		15303404	FDSN	ZJ	00	BUD	iLoc	HHN	???	_		
(Station ML : 2.5 0																										
HU07A	1.14	70.9	Pg	20:57:51.637	0.6					T__		218.7		---	MLv	15303405	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_		
HU07A	1.14	70.9	Lg	20:58:07.349	-0.7					T__				---		15303406	FDSN	ZJ	00	BUD	iLoc	HHE	???	_		
(Station ML : 2.5 0																										

VYHS	1.32	312.0	Pn	20:57:53.421	0.5	T__				5.8	---	MLv	15303407	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.32	312.0	Sn	20:58:11.987	0.5	T__					---		15303408	FDSN	SK	--	BUD	iLoc	HHZ	???	_
(Station ML : 1.0 0)																					
HU21A	1.35	197.4	Lg	20:58:15.889	0.4	T__					---		15303409	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
SRO	1.36	278.9	Sn	20:58:14.279	2.1	T__					---		15303410	FDSN	SK	--	BUD	iLoc	EHN	???	_
CSKK	1.41	260.3	Sn	20:58:15.675	2.2	T__					---		15303411	FDSN	HU	--	BUD	iLoc	HHZ	???	_
A267A	1.42	242.3	Lg	20:58:16.943	-0.9	T__					---		15303412	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A335A	1.56	302.7	Pn	20:57:56.657	0.4	T__				56.9	---	MLv	15303413	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.1 1)																					
TRPA	1.58	70.4	Pg	20:57:58.634	-1.2	T__				18.0	---	MLv	15303414	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
TRPA	1.58	70.4	Sn	20:58:19.553	1.9	T__					---		15303415	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.6 0)																					
LANS	1.63	340.1	Pg	20:58:00.206	-1.1	T__				38.3	---	MLv	15303416	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 2.0 1)																					
NIE	1.80	0.0	Lg	20:58:25.382	-2.3	T__					---		15303417	FDSN	PL	--	BUD	iLoc	BHN	???	_
MORH	1.81	219.7	Pn	20:58:00.010	0.8	T__				9.3	---	MLv	15303418	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.81	219.7	Pg	20:58:04.253	-0.7	T__					---		15303419	FDSN	HU	--	BUD	iLoc	BHZ	???	_
(Station ML : 1.5 0)																					
KOLS	1.86	44.2	Pg	20:58:06.709	2.1	T__					---		15303420	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MPLH	1.94	257.6	Pg	20:58:06.657	-0.5	T__				32.6	---	MLv	15303421	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	1.94	257.6	Sn	20:58:28.309	2.4	T__					---		15303422	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 2.1 1)																					
A265A	2.10	236.1	Lg	20:58:39.125	0.2	T__					---		15303423	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KOVH	2.16	225.5	Pg	20:58:10.883	-0.7	T__				23.1	---	MLv	15303424	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	2.16	225.5	Lg	20:58:40.491	-0.4	T__					---		15303425	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 2.1 1)																					
JAVC	2.16	306.1	Pn	20:58:05.915	1.0	T__					---		15303426	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
BZS	2.20	154.9	Pn	20:58:05.757	0.7	T__				24.5	---	MLv	15303427	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 2.1 1)																					
A011B	2.96	267.5	Pn	20:58:16.918	1.3	T__				22.2	---	MLv	15303428	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A011B	2.96	267.5	Sn	20:58:51.107	0.3	T__					---		15303429	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
(Station ML : 2.5 0)																					
KRUC	2.98	300.4	Pn	20:58:16.100	-0.0	T__					---		15303430	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	3.00	305.7	Pn	20:58:16.500	0.2	T__					---		15303431	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	3.00	305.7	Pn	20:58:16.625	0.3	T__					---		15303432	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
CONA	3.02	277.5	Sn	20:58:53.747	0.8	T__					---		15303433	FDSN	OE	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/06/23	12:04:18.00	0.32		45.9400	17.1820	0.0	0.0		5.1F	4.9	13			0.60	1.52	a	ke RHSSO	15274717	ISC			360
2019/06/23	12:04:17.41	0.83	0.74	45.9408	17.1985	4.2	3.7	145	11.7F	17.6	33	15	104	0.61	1.88	m	ke BUD	15303499	iLoc			116

Magnitude	Err	Nsta	Author	OrigID
ML	1.6		RHSSO	15274717
ML	2.0	0.5	9 ILOC	15303499

Sta	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	0.61	331.1	Pg	12:04:29.500	0.0					T__						15303501	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.61	331.1	Lg	12:04:37.500	-0.2					T__						15303502	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.61	331.1	Pg	12:04:29.618	0.1					T__	54.3			---	MLv	15303503	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BEHE	0.61	331.1	Lg	12:04:39.261	1.5					T__				---		15303504	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.6 1)																								

A265A	0.64	40.4	Pg	12:04:29.862	-0.2	T__	131.9	___	MLv	15303505	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A265A	0.64	40.4	Lg	12:04:40.024	1.2	T__		---		15303506	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 2.0 1																		
KOVH	0.65	76.5	Pg	12:04:29.965	-0.3	T__	40.1	___	MLv	15303507	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.65	76.5	Lg	12:04:40.585	1.6	T__		---		15303508	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.5 1																		
A263A	0.70	6.5	Pg	12:04:30.632	-0.7	T__	252.3	___	MLv	15303509	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A263A	0.70	6.5	Lg	12:04:40.874	-0.0	T__		---		15303510	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 2.3 1																		
KOGS	0.83	308.0	Pg	12:04:32.999	-0.3	T__	378.2	___	MLv	15303511	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.83	308.0	Lg	12:04:44.314	-0.0	T__		---		15303512	FDSN	SL	--	BUD	iLoc	BHN	???	_
(Station ML : 2.5 1																		
PTJ	0.86	268.2	Pg	12:04:33.649	-0.0	T__	56.3	___	MLv	15303513	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.86	268.2	Lg	12:04:44.500	-0.9	T__		---		15303514	FDSN	CR	--	BUD	iLoc	BHN	???	_
(Station ML : 1.7 1																		
A266A	0.94	51.3	Pn	12:04:35.323	0.1	T__	328.7	___	MLv	15303515	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A266A	0.94	51.3	Lg	12:04:48.579	-0.5	T__		---		15303516	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 2.5 0																		
A051A	0.95	192.6	Pg	12:04:35.500	-0.1	T__		---		15303517	FDSN	IR	--	ISC	iLoc	???	???	_
A051A	0.95	192.6	Lg	12:04:48.600	0.4	T__		---		15303518	FDSN	IR	--	ISC	iLoc	???	???	_
A261A	1.01	358.1	Lg	12:04:50.318	0.1	T__		---		15303519	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MORH	1.04	74.2	Pn	12:04:36.400	-0.0	T__		---		15303520	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.04	74.2	Lg	12:04:51.600	-0.8	T__		---		15303521	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.04	74.2	Pn	12:04:35.815	-0.6	T__	11.2	___	MLv	15303522	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.04	74.2	Lg	12:04:51.835	-0.6	T__		---		15303523	FDSN	HU	--	BUD	iLoc	BHZ	???	_
(Station ML : 1.1 0																		
BLY	1.19	180.5	Sn	12:04:55.400	0.3	T__		---		15303524	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	1.22	265.2	Pg	12:04:39.565	-0.4	T__	129.0	___	MLv	15303525	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	1.22	265.2	Sn	12:04:55.122	-0.9	T__		---		15303526	FDSN	SL	--	BUD	iLoc	BHE	???	_
CRES	1.22	265.2	Pn	12:04:39.900	0.2	T__		---		15303527	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	1.22	265.2	Sn	12:04:56.000	0.0	T__		---		15303528	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.3 1																		
BOJS	1.43	252.9	Pn	12:04:43.000	0.4	T__		---		15303529	FDSN	IR	--	ISC	iLoc	???	???	_
BOJS	1.43	252.9	Lg	12:05:03.500	-0.3	T__		---		15303530	FDSN	IR	--	ISC	iLoc	???	???	_
A050A	1.53	198.1	Pg	12:04:45.900	0.1	T__		---		15303531	FDSN	IR	--	ISC	iLoc	???	???	_
A050A	1.53	198.1	Lg	12:05:06.300	-0.1	T__		---		15303532	FDSN	IR	--	ISC	iLoc	???	???	_
A269A	1.88	25.2	Sn	12:05:14.362	2.2	T__		---		15303533	FDSN	Z3	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
2019/06/23	14:09:44.04	0.17	1.00	47.6649	20.3164	2.6	2.0	148	8.0	1.4	49	31	55	0.05	3.28	m	ke BUD	15245512	scolv@krszo			360
2019/06/23	14:09:44.00		2.10	47.6500	20.3000				7.0A				2	2.70	4.06	a	ke CSEM	15274746	ISC			360
2019/06/23	14:09:46.20			47.7700	19.4600				1.0A		11					a	ke PRU	15274749	ISC			360
2019/06/23	14:09:43.52	1.02	1.43	47.6125	20.3062	5.2	3.5	131	3.7F	7.5	67	34	45	0.05	4.08	m	ke BUD_GT	15303571	iLoc			69

(GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)

Magnitude	Err	Nsta	Author	OrigID
M	2.4	19	BUD	15245512
MLv	2.4	0.2	19 BUD	15245512
mb	2.3		CSEM	15274746
ML	2.5	0.1	22 ILOC	15303571

Sta	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	304.7	Pg	14:09:46.159	1.2					T__		13007.4		---	MLv	15303573	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_		
HU23A	0.05	304.7	Lg	14:09:48.645	2.4					T__				---		15303574	FDSN	ZJ	00	BUD	iLoc	HHN	???	_		
(Station ML : 2.5 1																										
PSZ	0.41	317.9	Pg	14:09:51.952	-0.5					T__		496.0		---	MLv	15303575	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	0.41	317.9	Lg	14:09:57.849	-1.2					T__				---		15303576	FDSN	GE	--	BUD	iLoc	BHE	???	_		
(Station ML : 2.1 1																										
HU02A	0.53	16.0	Pg	14:09:53.461	-1.1					T__		945.4		---	MLv	15303577	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_		
HU02A	0.53	16.0	Lg	14:10:00.789	-2.1					T__				---		15303578	FDSN	ZJ	00	BUD	iLoc	HHE	???	_		
(Station ML : 2.8 0																										
BUD	0.88	262.0	Pg	14:10:01.822	0.4					T__		279.0		---	MLv	15303579	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_		
BUD	0.88	262.0	Sn	14:10:13.267	-1.9					T__				---		15303580	FDSN	HU	--	BUD	iLoc	BHN	???	_		
BUD	0.88	262.0	Pg	14:10:14.200	12.8					---		0.3		---		15303581	FDSN	IR	--	ISC	iLoc	???	???	_		
(Station ML : 2.4 1																										
KECS	0.88	7.8	Pg	14:10:00.332	-0.6					T__		533.4		---	MLv	15303582	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_		
KECS	0.88	7.8	Lg	14:10:12.308	-1.7					T__				---		15303583	FDSN	SK	--	BUD	iLoc	EHE	???	_		
KECS	0.88	7.8	Pn	14:10:14.700	13.4					---		0.5		---		15303584	FDSN	IR	--	ISC	iLoc	???	???	_		
(Station ML : 2.7 0																										
A270A	0.90	285.5	Pg	14:10:01.956	0.2					T__		383.6		---	MLv	15303585	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
A270A	0.90	285.5	Sn	14:10:14.529	-1.2					T__				---		15303586	FDSN	Z3	00	BUD	iLoc	HHN	???	_		
(Station ML : 2.6 1																										
HU24A	0.91	140.1	Sn	14:10:15.985	0.3					T__				---		15303587	FDSN	ZJ	00	BUD	iLoc	HHE	???	_		
HU07A	1.15	70.6	Sn	14:10:20.579	-1.0					T__				---		15303588	FDSN	ZJ	00	BUD	iLoc	HHZ	???	_		
A269A	1.30	271.9	Sn	14:10:26.734	1.3					T__				---		15303589	FDSN	Z3	00	BUD	iLoc	HHZ	???	_		
VYHS	1.32	312.4	Pg	14:10:13.300	3.3					T__		0.0		---		15303590	FDSN	IR	--	ISC	iLoc	???	???	_		
VYHS	1.32	312.4	Pn	14:10:07.554	-0.1					T__		13.3		---	MLv	15303591	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_		
VYHS	1.32	312.4	Sn	14:10:25.305	-1.1					T__				---		15303592	FDSN	SK	--	BUD	iLoc	HHN	???	_		
(Station ML : 1.4 0																										
HU21A	1.34	197.4	Pg	14:10:11.029	0.2					T__		139.6		---	MLv	15303593	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_		
HU21A	1.34	197.4	Lg	14:10:29.892	0.0					T__				---		15303594	FDSN	ZJ	00	BUD	iLoc	HHE	???	_		
(Station ML : 2.4 1																										
SRO	1.36	279.2	Pg	14:10:36.000	25.6					---				---		15303595	FDSN	IR	--	ISC	iLoc	???	???	_		
SRO	1.36	279.2	Pn	14:10:09.286	1.3					T__		433.7		---	MLv	15303596	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_		
SRO	1.36	279.2	Sn	14:10:27.498	0.6					T__				---		15303597	FDSN	SK	--	BUD	iLoc	EHE	???	_		
(Station ML : 2.9 0																										
CSKK	1.41	260.6	Pg	14:10:11.753	-0.2					T__		269.9		---	MLv	15303598	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
CSKK	1.41	260.6	Sn	14:10:28.425	0.3					T__				---		15303599	FDSN	HU	--	BUD	iLoc	HHE	???	_		
(Station ML : 2.7 0																										
A267A	1.41	242.5	Pg	14:10:11.188	-0.8					T__		214.6		---	MLv	15303600	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
A267A	1.41	242.5	Lg	14:10:31.003	-1.3					T__				---		15303601	FDSN	Z3	00	BUD	iLoc	HHE	???	_		
(Station ML : 2.6 1																										
CSKK	1.41	260.6	Pg	14:10:28.300	16.3					---				---		15303602	FDSN	IR	--	ISC	iLoc	???	???	_		
TRPA	1.59	70.2	Pn	14:10:12.268	1.1					T__		34.8		---	MLv	15303603	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_		
TRPA	1.59	70.2	Sn	14:10:33.921	1.4					T__				---		15303604	FDSN	HU	--	BUD	iLoc	BHN	???	_		
TRPA	1.59	70.2	Pg	14:10:15.300	0.7					T__		0.0		---		15303605	FDSN	IR	--	ISC	iLoc	???	???	_		
(Station ML : 1.9 0																										
A268A	1.62	264.5	Sn	14:10:35.087	1.8					T__				---		15303606	FDSN	Z3	00	BUD	iLoc	HHE	???	_		
SIRR	1.64	144.9	Pn	14:10:14.160	2.3					T__		26.1		---	MLv	15303607	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
(Station ML : 1.8 0																										
LANS	1.64	340.4	Pg	14:10:39.000	23.3					---				---		15303608	FDSN	IR	--	ISC	iLoc	???	???	_		
MORH	1.80	219.8	Pg	14:10:18.601	-0.8					T__		20.7		---	MLv	15303609	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_		
MORH	1.80	219.8	Lg	14:10:43.831	-0.8					T__				---		15303610	FDSN	HU	--	BUD	iLoc	BHN	???	_		
MORH	1.80	219.8	Pg	14:10:19.100	-0.3					T__		0.0		---		15303611	FDSN	IR	--	ISC	iLoc	???	???	_		

(Station ML : 1.8 0																				
NIE	1.81	359.9	Pg	14:10:19.700	0.9	T__		0.0	---			15303612	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.83	115.7	Pn	14:10:14.806	0.0	T__		52.1	---	MLv		15303613	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	1.83	115.7	Lg	14:10:42.741	-1.6	T__			---			15303614	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	1.83	115.7	Pg	14:10:18.600	-1.4	T__		0.1	---			15303615	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.2 1																				
KOLS	1.86	44.1	Pg	14:10:21.200	1.8	T__		13.0	---			15303616	FDSN	IR	--	ISC	iLoc	???	???	_
KOLS	1.86	44.1	Sn	14:10:38.954	-0.7	T__			---			15303617	FDSN	SK	--	BUD	iLoc	HHE	???	_
STHS	1.91	18.7	Pn	14:10:16.888	0.9	T__		113.0	---	MLv		15303618	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 2.6 1																				
MPLH	1.93	257.8	Pg	14:10:22.400	0.6	T__		0.1	---			15303619	FDSN	IR	--	ISC	iLoc	???	???	_
A265A	2.09	236.2	Lg	14:10:55.012	1.7	T__			---			15303620	FDSN	Z3	00	BUD	iLoc	HHE	???	_
KOVH	2.15	225.6	Pg	14:10:25.034	-1.1	T__		45.2	---	MLv		15303621	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	2.15	225.6	Pg	14:10:25.300	-0.8	T__		0.0	---			15303622	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	2.15	225.6	Lg	14:10:54.840	-0.5	T__			---			15303623	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 2.3 1																				
JAVC	2.16	306.3	Pn	14:10:20.143	0.6	T__			---			15303624	FDSN	CZ	--	BUD	iLoc	BHN	???	_
JAVC	2.16	306.3	Pn	14:10:20.000	0.4	T__			---			15303625	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	2.16	306.3	Lg	14:10:54.400	-2.9	T__			---			15303626	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	2.20	154.8	Pn	14:10:21.972	2.3	T__		23.4	---	MLv		15303627	FDSN	RO	--	BUD	iLoc	BHN	BHZ	_
(Station ML : 2.1 1																				
RONA	2.71	273.3	Pn	14:10:26.947	-0.0	T__		0.2	0.18	---		15303628	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	2.71	273.3	Sn	14:10:58.606	-1.4	T__		1.2	0.16	---		15303629	FDSN	IR	--	ISC	iLoc	???	???	_
A011B	2.95	267.6	Pn	14:10:31.290	1.1	T__		25.5		MLv		15303630	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A011B	2.95	267.6	Sn	14:11:05.572	0.1	T__				---		15303631	FDSN	Z3	00	BUD	iLoc	HH3	???	_
(Station ML : 2.5 1																				
KRUC	2.99	300.5	Pn	14:10:30.512	-0.3	T__		25.0		MLv		15303632	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_
KRUC	2.99	300.5	Sn	14:11:05.100	-2.4	T__				---		15303633	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.6 1																				
VRAC	3.00	305.9	Sn	14:11:05.600	-2.6	T__				---		15303634	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	3.00	305.9	Pn	14:10:30.922	-0.1	T__				---		15303635	FDSN	CZ	--	BUD	iLoc	BHN	???	_
CONA	3.01	277.7	Pn	14:10:32.340	1.0	T__		27.3		MLv		15303636	FDSN	OE	--	BUD	iLoc	BHN	BHZ	_
CONA	3.01	277.7	Pn	14:10:31.338	0.0	T__		0.7	0.16	---		15303637	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	3.01	277.7	Sn	14:11:06.852	-0.8	T__		0.8	0.20	---		15303638	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.6 1																				
ARSA	3.27	265.4	Pn	14:10:35.733	1.1	T__		23.2		MLv		15303639	FDSN	OE	--	BUD	iLoc	HHZ	HHZ	_
ARSA	3.27	265.4	Sn	14:11:13.118	0.1	T__				---		15303640	FDSN	OE	--	BUD	iLoc	HHE	???	_
ARSA	3.27	265.4	Sn	14:11:12.651	-0.3	T__		2.5	0.42	---		15303641	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.7 1																				
KRLC	3.39	317.9	Pn	14:10:36.700	0.0	T__				---		15303642	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	4.08	275.6	Pn	14:10:45.571	-0.7	T__		0.3	0.26	---		15303643	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	4.08	275.6	Sn	14:11:38.897	4.9	T__		1.3	0.38	---		15303644	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/06/24	02:37:44.50	0.29	0.12	47.8600	17.3064	3.5	1.3	117	18.1F	1.7	15	225	0.20	1.59	a	ke	IPEC	15274818	ISC			360
2019/06/24	02:37:47.70			47.9400	17.2400				1.0A		7					a	ke	PRU	15274825	ISC		360
2019/06/24	02:37:44.92	0.22	0.17	47.9041	17.2542	2.0	1.2	157	12.3F	2.3	22	2	0.68	1.34	a	ke	VIE	15274821	ISC			360
2019/06/24	02:37:44.00	0.78	0.71	47.8703	17.3339	3.1	2.8	173	4.0F	13.3	35	19	44	0.45	2.80	m	ke	BUD	15303838	iLoc		81

Magnitude	Err	Nsta	Author	OrigID
ML	1.2		IPEC	15274818

```
mb 1.2 VIE 15274821
ml 1.5 VIE 15274821
ML 1.4 0.0 8 ILOC 15303838
```

Sta	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	0.45	180.2	Pg	02:37:53.477	0.3					T__		74.1		---	MLv	15303840	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
EGYH	0.45	180.2	Lg	02:37:59.597	-0.3					T__				---		15303841	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.4 1																								
MODS	0.50	355.7	Pg	02:37:54.762	0.5					T__				---		15303842	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.50	355.7	Lg	02:38:02.072	-0.1					T__				---		15303843	FDSN	SK	--	BUD	iLoc	HHE	???	_
SOP	0.56	250.6	Pg	02:37:55.167	0.1					T__		39.7		---	MLv	15303844	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
SOP	0.56	250.6	Lg	02:38:02.342	-0.2					T__				---		15303845	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.4 1																								
A268A	0.59	137.5	Lg	02:38:03.551	-1.6					T__				---		15303846	FDSN	Z3	00	BUD	iLoc	HHN	???	_
SRO	0.66	94.6	Pg	02:37:57.821	0.6					T__		291.9		---	MLv	15303847	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
SRO	0.66	94.6	Lg	02:38:08.313	0.5					T__				---		15303848	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 2.3 1																								
MPLH	0.71	168.7	Pg	02:37:57.758	-0.4					T__		34.8		---	MLv	15303849	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 1.4 1																								
RONA	0.72	256.7	Pg	02:37:58.053	-0.3					T__		0.8	0.12	---		15303850	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.72	256.7	Lg	02:38:07.854	-0.0					T__		1.3	0.12	---		15303851	FDSN	IR	--	ISC	iLoc	???	???	_
A260A	0.72	216.1	Lg	02:38:07.873	-0.1					T__				---		15303852	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A269A	0.74	107.8	Lg	02:38:10.678	-0.1					T__				---		15303853	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A261A	0.93	187.9	Lg	02:38:15.256	0.3					T__				---		15303854	FDSN	Z3	00	BUD	iLoc	HHN	???	_
CONA	0.99	273.9	Pg	02:38:03.640	0.0					T__		23.2		---	MLv	15303855	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
CONA	0.99	273.9	Sn	02:38:17.976	-0.7					T__				---		15303856	FDSN	OE	--	BUD	iLoc	BHN	???	_
CONA	0.99	273.9	Pg	02:38:03.078	-0.5					T__		0.5	0.16	---		15303857	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.99	273.9	Lg	02:38:15.989	-0.5					T__		0.3	0.14	---		15303858	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.4 1																								
JAVC	1.01	12.7	Pn	02:38:05.267	0.9					T__				---		15303859	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	1.01	12.7	Pg	02:38:03.700	-0.7					T__				---		15303860	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	1.01	12.7	Pg	02:38:03.700	-0.7					T__				---		15303861	FDSN	IR	--	ISC	iLoc	???	???	_
A011B	1.04	244.1	Pg	02:38:04.938	0.6					T__		26.6		---	MLv	15303862	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A011B	1.04	244.1	Lg	02:38:18.689	1.4					T__				---		15303863	FDSN	Z3	00	BUD	iLoc	HH3	???	_
(Station ML : 1.5 1																								
TIH	1.04	158.6	Pn	02:38:03.736	-0.4					T__		263.8		---	MLv	15303864	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.5 0																								
VYHS	1.18	57.6	Pn	02:38:07.225	0.8					T__		6.6		---	MLv	15303865	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.18	57.6	Sn	02:38:22.152	-1.6					T__				---		15303866	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.0 0																								
KRUC	1.35	332.7	Pn	02:38:09.000	0.3					T__				---		15303867	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.35	332.7	Pn	02:38:09.100	0.3					T__				---		15303868	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.35	332.7	Sn	02:38:26.688	-0.6					T__				---		15303869	FDSN	CZ	--	BUD	iLoc	BHE	???	_
ARSA	1.37	243.8	Sn	02:38:28.272	0.9					T__		1.1	0.22	---		15303870	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.37	243.8	Sn	02:38:28.070	0.7					T__				---		15303871	FDSN	OE	--	BUD	iLoc	BHN	???	_
VRAC	1.52	341.4	Sn	02:38:32.400	0.6					T__				---		15303872	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.52	341.4	Sn	02:38:32.400	0.6					T__		1.7	0.38	---		15303873	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	2.80	298.2	Lg	02:39:13.800	-0.8					T__				---		15303874	FDSN	IR	--	ISC	iLoc	???	???	_

```
Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author  OrigID  Rep  DPdep  Err Sgp
2019/06/24 03:08:53.80  0.08  0.21  47.8653  17.2740  1.1  0.7 155 17.1F  1.0  23  136  0.18  1.58 a ke IPEC  15274857  ISC  360
```

2019/06/24 03:08:55.10 47.8900 17.2400 10.0A 10 a ke PRU 15274860 ISC 360
 2019/06/24 03:08:53.13 0.75 0.94 47.8643 17.3366 3.7 3.3 105 7.8F 8.5 42 25 36 0.45 7.85 m ke BUD 15303751 iLoc 53

Magnitude Err Nsta Author OrigID
 ML 1.8 IPEC 15274857
 ML 2.2 0.1 9 ILOC 15303751

Sta	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	0.45	180.4	Lg	03:09:08.801	-0.1					T__						15303753	FDSN	HU	--	BUD	iLoc	HHN	???	_		
MODS	0.51	355.5	Pg	03:09:03.823	0.2					T__						15303754	FDSN	SK	--	BUD	iLoc	HHZ	???	_		
MODS	0.51	355.5	Lg	03:09:11.255	-0.3					T__						15303755	FDSN	SK	--	BUD	iLoc	HHN	???	_		
SOP	0.56	251.2	Pg	03:09:03.994	-0.3					T__		187.5			MLv	15303756	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_		
SOP	0.56	251.2	Lg	03:09:11.232	-0.6					T__						15303757	FDSN	HU	--	BUD	iLoc	BHN	???	_		
(Station ML : 2.1 1																										
A268A	0.59	137.3	Lg	03:09:12.682	-1.5					T__						15303758	FDSN	Z3	00	BUD	iLoc	HHN	???	_		
SRO	0.66	94.1	Pg	03:09:06.919	0.6					T__		863.6			MLv	15303759	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_		
SRO	0.66	94.1	Lg	03:09:16.510	-0.5					T__						15303760	FDSN	SK	--	BUD	iLoc	EHN	???	_		
(Station ML : 2.8 0																										
MPLH	0.71	168.7	Pg	03:09:07.658	0.5					T__		207.7			MLv	15303761	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_		
MPLH	0.71	168.7	Lg	03:09:16.491	-0.9					T__						15303762	FDSN	HU	--	BUD	iLoc	BHN	???	_		
(Station ML : 2.2 1																										
A260A	0.72	216.5	Lg	03:09:17.007	-0.1					T__						15303763	FDSN	Z3	00	BUD	iLoc	HHN	???	_		
A269A	0.74	107.4	Lg	03:09:19.781	-0.0					T__						15303764	FDSN	Z3	00	BUD	iLoc	HHE	???	_		
CSKK	0.80	128.4	Sn	03:09:20.060	-2.3					T__						15303765	FDSN	HU	--	BUD	iLoc	HHE	???	_		
A335A	0.89	48.6	Pn	03:09:11.595	0.6					T__		230.2			MLv	15303766	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
A335A	0.89	48.6	Sn	03:09:23.248	-1.5					T__						15303767	FDSN	Z3	00	BUD	iLoc	HHE	???	_		
(Station ML : 2.4 1																										
CONA	0.99	274.2	Pn	03:09:12.737	-0.1					T__		131.6			MLv	15303768	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_		
CONA	0.99	274.2	Sn	03:09:27.072	-0.0					T__						15303769	FDSN	OE	--	BUD	iLoc	BHN	???	_		
(Station ML : 2.2 1																										
JAVC	1.02	12.5	Pg	03:09:14.267	0.6					T__						15303770	FDSN	CZ	--	BUD	iLoc	BHZ	???	_		
JAVC	1.02	12.5	Pn	03:09:12.800	-0.3					T__						15303771	FDSN	IR	--	ISC	iLoc	???	???	_		
JAVC	1.02	12.5	Pn	03:09:12.800	-0.3					T__						15303772	FDSN	IR	--	ISC	iLoc	???	???	_		
A011B	1.04	244.4	Pn	03:09:13.154	-0.0					T__		120.7			MLv	15303773	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
A011B	1.04	244.4	Sn	03:09:26.849	-0.8					T__						15303774	FDSN	Z3	00	BUD	iLoc	HHZ	???	_		
(Station ML : 2.2 1																										
A270A	1.13	90.3	Sn	03:09:32.353	1.8					T__						15303775	FDSN	Z3	00	BUD	iLoc	HHE	???	_		
A262A	1.14	209.1	Lg	03:09:31.169	0.5					T__						15303776	FDSN	Z3	00	BUD	iLoc	HHN	???	_		
A010A	1.16	227.6	Lg	03:09:30.432	0.1					T__						15303777	FDSN	Z3	00	BUD	iLoc	HHE	???	_		
VYHS	1.18	57.3	Pn	03:09:15.147	0.0					T__		22.1			MLv	15303778	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_		
(Station ML : 1.5 0																										
A012A	1.21	258.2	Pn	03:09:16.248	0.4					T__		110.8			MLv	15303779	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
A012A	1.21	258.2	Sn	03:09:33.465	1.0					T__						15303780	FDSN	Z3	00	BUD	iLoc	HH3	???	_		
(Station ML : 2.2 1																										
KRUC	1.35	332.7	Pn	03:09:18.220	0.7					T__						15303781	FDSN	CZ	--	BUD	iLoc	BHZ	???	_		
KRUC	1.35	332.7	Sn	03:09:35.764	-0.1					T__						15303782	FDSN	CZ	--	BUD	iLoc	BHN	???	_		
ARSA	1.37	244.1	Pg	03:09:19.564	0.0					T__		96.6			MLv	15303783	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_		
ARSA	1.37	244.1	Lg	03:09:36.837	-0.0					T__						15303784	FDSN	OE	--	BUD	iLoc	BHE	???	_		
(Station ML : 2.2 1																										
VRAC	1.53	341.4	Pn	03:09:20.300	0.3					T__						15303785	FDSN	IR	--	ISC	iLoc	???	???	_		
VRAC	1.53	341.4	Pn	03:09:20.300	0.3					T__						15303786	FDSN	IR	--	ISC	iLoc	???	???	_		
VRAC	1.53	341.4	Sn	03:09:41.500	1.2					T__		5.0	0.33			15303787	FDSN	IR	--	ISC	iLoc	???	???	_		
VRAC	1.53	341.4	Sn	03:09:41.600	1.2					T__						15303788	FDSN	IR	--	ISC	iLoc	???	???	_		

VRAC	1.53	341.4	Pg	03:09:21.647	-0.7	T__									15303789	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.53	341.4	Sn	03:09:40.784	0.4	T__									15303790	FDSN	CZ	--	BUD	iLoc	BHE	???	_
CKRC	2.23	296.5	Lg	03:10:03.500	-2.0	T__									15303791	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	2.80	298.3	Lg	03:10:22.300	-1.2	T__									15303792	FDSN	IR	--	ISC	iLoc	???	???	_
KIS	7.84	92.1	Pg	03:11:26.000	2.4	T__									15303793	FDSN	IR	--	ISC	iLoc	???	???	_
KIS	7.84	92.1	x	03:17:24.000	-99.0	---				8400.0	4.20	---			15303794	FDSN	IR	--	ISC	iLoc	???	???	_
KIS	7.84	92.1	x	03:18:25.000	-99.0	---				---	---	---			15303795	FDSN	IR	--	ISC	iLoc	???	???	_
KIS	7.84	92.1	L	04:00:11.000	-99.0	---				6400.0	21.50	---			15303796	FDSN	IR	--	ISC	iLoc	???	???	_
MILM	7.85	92.7	Pg	03:11:24.000	0.0	T__				---	---	---			15303797	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/06/24	08:29:45.96	1.89	0.68	46.1152	18.0824	15.2	5.2	102	0.0S		6	4	185	0.03	1.12	m	kx	BUD	15303914	iLoc		265
2019/06/24	08:29:45.10f		0.43	46.1254	18.0152f				0.0S		6		220	0.07	1.10	a	kx	BUD_GT	15328109	BUD		264

(GT info : GT2 explosion)
(description : known quarry blast)
(locality : Bükkösd-II Hungary)

Magnitude Err Nsta Author OrigID

Sta	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	122.2	Pg	08:29:47.285	0.1					T__		1930.9			MLv	15329884	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.07	122.2	Lg	08:29:48.669	-0.5					T__						15329885	FDSN	HU	--	BUD	BUD	BHN	???	_
A266A	0.44	23.3	Lg	08:30:02.244	0.9					T__						15329888	FDSN	Z3	00	BUD	BUD	HHE	???	_
MORH	0.45	78.1	Pg	08:29:54.347	-0.1					T__		11.9			MLv	15329886	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.45	78.1	Lg	08:30:01.341	-0.3					T__						15329887	FDSN	HU	--	BUD	BUD	BHN	???	_
MPLH	1.10	342.8	Lg	08:30:23.153	-0.0					T__						15329889	FDSN	HU	--	BUD	BUD	BHZ	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/06/24	08:38:39.77	1.57	0.81	48.5845	20.7740	10.0	6.9	78	0.0S		13	9	89	0.22	1.30	m	sx	BUD	15303930	iLoc		129

(description : suspected quarry blast)
(locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
ML 1.7 0.2 6 ILOC 15303930

Sta	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	242.2	Pg	08:38:44.477	0.2					T__		1797.7			MLv	15303932	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.22	242.2	Lg	08:38:47.588	-0.3					T__						15303933	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 2.2 0)																								
HU02A	0.49	199.8	Pg	08:38:50.218	0.1					T__		45.2			MLv	15303934	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.49	199.8	Lg	08:38:57.598	-0.5					T__						15303935	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.3 1)																								
STHS	0.89	20.2	Pn	08:38:57.293	-1.4					T__		63.0			MLv	15303936	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 1.8 1)																								
PSZ	0.89	221.7	Pn	08:38:59.404	0.8					T__		38.5			MLv	15303937	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.89	221.7	Lg	08:39:12.120	0.3					T__						15303938	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.6 1)																								
LANS	1.03	303.8	Pg	08:39:00.185	0.1					T__		46.9			MLv	15303939	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_

```

(Station ML : 1.7 1
KOLS 1.05 70.1 Sn 08:39:17.596 -0.5 T__ --- 15303940 FDSN SK -- BUD iLoc HHE ??? _
TRPA 1.26 110.4 Sn 08:39:21.574 -1.1 T__ --- 15303941 FDSN HU -- BUD iLoc BHE ??? _
VYHS 1.29 266.7 Pg 08:39:05.395 -0.3 T__ 4.8 --- MLv 15303942 FDSN SK -- BUD iLoc HHZ HHZ _
VYHS 1.29 266.7 Sn 08:39:23.820 0.2 T__ --- 15303943 FDSN SK -- BUD iLoc HHN ??? _
(Station ML : 0.9 0
STZU 1.30 69.8 Pn 08:39:05.840 1.4 T__ --- 15303944 FDSN UA -- BUD iLoc MHZ ??? _

```

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/06/24	08:58:02.19	1.01	0.59	46.1712	18.2785	9.7	3.7	153	0.0S	5	3	156	0.15	0.35	m	kx	BUD	15303970	iLoc			278
2019/06/24	08:58:02.20f		0.47	46.1765	18.2926f				0.0S	5		155	0.16	0.35	a	kx	BUD_GT	15328115	BUD			276

(GT info : GT2 explosion)
(description : known quarry blast)
(locality : Komló-II Hungary)

Magnitude Err Nsta Author OrigID

Sta	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	236.7	Pg	08:58:06.115	0.0					T__		269.0		_c_	MLv	15329890	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.16	236.7	Lg	08:58:08.193	-1.0					T__				---		15329891	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.25	80.7	Pg	08:58:08.124	0.4					T__		71.5		---	MLv	15329892	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.25	80.7	Lg	08:58:12.070	-0.1					T__				---		15329893	FDSN	HU	--	BUD	BUD	BHN	???	_
A266A	0.35	356.8	Lg	08:58:15.516	-0.1					T__				---		15329894	FDSN	Z3	00	BUD	BUD	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/06/24	09:16:16.44	3.22	0.32	47.4343	18.7759	23.0	14.4	24	0.0S	5	4	292	0.36	0.88	m	kx	BUD	15304027	iLoc			343
2019/06/24	09:16:26.03f		1.79	47.2302	18.2835f				0.0S	5		161	0.13	0.51	a	kx	BUD_GT	15328119	BUD			270

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

Magnitude Err Nsta Author OrigID

Sta	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	353.4	Pg	09:16:28.804	-0.6					T__		1457.2		---	MLv	15329895	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.13	353.4	Lg	09:16:30.639	-1.8					T__				---		15329896	FDSN	HU	--	BUD	BUD	HHN	???	_
A267A	0.31	154.4	Lg	09:16:41.052	2.6					T__				---		15329897	FDSN	Z3	00	BUD	BUD	HHN	???	_
A268A	0.32	309.6	Lg	09:16:37.981	-0.6					T__				---		15329898	FDSN	Z3	00	BUD	BUD	HHE	???	_
MPLH	0.51	263.5	Lg	09:16:46.717	2.2					T__				---		15329899	FDSN	HU	--	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/06/24	10:30:09.60	1.04	1.31	47.6530	19.0449	7.4	4.0	157	0.0S	12	8	189	0.19	1.31	m	kx	BUD	15304040	iLoc			285
2019/06/24	10:30:12.77f		1.49	47.8355	19.1270f				0.0S	11		163	0.07	1.15	a	kx	BUD_GT	15328123	BUD			197

(GT info : GT2 explosion)
(description : known quarry blast)
(locality : Sejce-Vác Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.4	8 BUD	15304040
ML	1.3	0.2	8 ILOC	15328123

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A270A	0.07	277.6	Pg	10:30:14.988	0.2					T__		1081.2		---	MLv	15329900	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A270A	0.07	277.6	Lg	10:30:16.132	-0.5					T__				---		15329901	FDSN	Z3	00	BUD	BUD	HHN	???	_
(Station ML : 1.5 1																								
HU03A	0.33	77.7	Pg	10:30:19.967	0.1					T__		98.9		---	MLv	15329902	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU03A	0.33	77.7	Lg	10:30:25.923	0.7					T__				---		15329903	FDSN	ZJ	00	BUD	BUD	HHN	???	_
(Station ML : 1.2 1																								
PSZ	0.52	80.6	Pg	10:30:23.386	-0.8					T__		28.9		---	MLv	15329904	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.52	80.6	Lg	10:30:31.418	-1.1					T__				---		15329905	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.2 1																								
VYHS	0.69	343.6	Pg	10:30:27.610	0.8					T__		6.6		---	MLv	15329908	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
(Station ML : 0.7 0																								
A268A	0.91	244.0	Pg	10:30:26.371	-4.6					T__		152.8		---	MLv	15329906	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A268A	0.91	244.0	Lg	10:30:36.332	-8.9					---				---		15329907	FDSN	Z3	00	BUD	BUD	HHE	???	_
(Station ML : 2.2 1																								
HU02A	0.98	72.5	Pg	10:30:33.085	0.1					T__		18.5		---	MLv	15329909	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 1.3 1																								
KECS	1.12	54.0	Pg	10:30:34.952	-0.0					T__		160.8		---	MLv	15329910	FDSN	SK	--	BUD	BUD	EHZ	EHZ	_
(Station ML : 2.3 0																								
JOS	1.15	54.5	Pn	10:30:35.221	0.2					T__		16.7		---	MLv	15329911	FDSN	ZJ	--	BUD	BUD	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	
2019/06/25	07:17:52.07	0.94	1.30	47.3309	17.6357	5.3	3.3	139	0.0S		14	7	125	0.17	1.34	m	kx BUD	15304087	iLoc			148	
2019/06/25	07:17:52.08f		1.41	47.3300	17.6350f				0.0S		15		125	0.17	1.34	a	kx BUD_GT	15328127	BUD			148	
(GT info : GT2 explosion)																							
(description : known quarry blast)																							
(locality : Ugod Hungary)																							

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.1	4 BUD	15304087
ML	1.6	0.1	4 ILOC	15328127

Sta	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	202.2	Pg	07:17:56.005	-0.1					T__		460.2		---	MLv	15329912	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MPLH	0.17	202.2	Lg	07:17:58.542	-0.8					T__				---		15329913	FDSN	HU	--	BUD	BUD	BHE	???	_
MPLH	0.17	202.2	Lg	07:17:59.300	-0.3					T__		0.5		---		15329914	FDSN	IR	--	ISC	BUD	???	???	_
(Station ML : 1.4 1																								
A268A	0.22	62.6	Pg	07:17:56.926	-0.1					T__		528.6		---	MLv	15329915	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A268A	0.22	62.6	Lg	07:18:00.629	-0.7					T__				---		15329916	FDSN	Z3	00	BUD	BUD	HHN	???	_
(Station ML : 1.6 1																								
EGYH	0.22	293.0	Lg	07:18:00.100	-1.2					T__				---		15329917	FDSN	IR	--	ISC	BUD	???	???	_
EGYH	0.22	293.0	Pg	07:18:01.000	3.8					T__		0.9		---		15329918	FDSN	IR	--	ISC	BUD	???	???	_
CSKK	0.43	85.3	Lg	07:18:07.429	-1.1					T__				---		15329920	FDSN	HU	--	BUD	BUD	HHN	???	_
CSKK	0.43	85.3	Lg	07:18:09.700	1.1					T__				---		15329919	FDSN	IR	--	ISC	BUD	???	???	_
KOVH	1.28	165.4	Pg	07:18:19.714	2.1					T__		25.6		---	MLv	15329921	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	1.28	165.4	Lg	07:18:35.760	-0.1					T__				---		15329922	FDSN	HU	--	BUD	BUD	BHE	???	_

(Station ML : 1.6 1																							
MORH	1.31	147.8	Sn	07:18:34.200	-1.2	T__				15329924	FDSN	IR	--	ISC	BUD	???	???	_					
MORH	1.31	147.7	Sn	07:18:35.578	0.2	T__				---					15329923	FDSN	HU	--	BUD	BUD	BHN	???	_
CONA	1.34	297.2	Pg	07:18:20.331	1.9	T__				32.6	---	MLv			15329925	FDSN	OE	--	BUD	BUD	BHZ	BHZ	_
CONA	1.34	297.2	Sn	07:18:36.994	0.5	T__				---					15329926	FDSN	OE	--	BUD	BUD	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/06/25	07:27:26.95	0.27	0.36	46.8175	22.8918	2.2	1.4	167	4.1F	1.6	18	163		0.13	2.03	a	ke BUC	15274903	ISC			360
2019/06/25	07:27:25.32	1.42	1.00	46.8923	22.9037	10.3	4.6	174	1.9F	9.7	35	10	190	0.17	2.08	m	ke BUD	15304162	iLoc			259

Magnitude	Err	Nsta	Author	OrigID
ml	1.3		BUC	15274903
ML	1.7	0.0	5 ILOC	15304162

Sta	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	232.8	Pg	07:27:29.211	0.2					T__		693.8		---	MLv	15304164	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.17	232.8	Lg	07:27:31.268	-0.8					T__				---		15304165	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.17	232.8	Lg	07:27:31.735	-0.3					T__		0.2		---		15304166	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.17	232.8	Lg	07:27:31.735	-0.3					T__				---		15304167	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.6 1																								
MARR	0.26	145.6	Pg	07:27:31.015	0.2					T__				---		15304168	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.26	145.6	Pg	07:27:31.015	0.2					T__				---		15304169	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.26	145.6	Lg	07:27:34.407	-1.0					T__				---		15304170	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.06	234.2	Pg	07:27:46.354	-0.2					T__		16.6		---	MLv	15304171	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	1.06	234.2	Lg	07:28:00.891	-0.4					T__				---		15304172	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	1.06	234.4	Pg	07:27:46.476	-0.1					T__				---		15304173	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.06	234.4	Pg	07:27:46.476	-0.1					T__				---		15304174	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.06	234.4	Sn	07:28:00.028	-2.4					T__				---		15304175	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.3 0																								
SURR	1.26	205.7	Pg	07:27:50.354	0.8					T__				---		15304176	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.26	205.7	Pg	07:27:50.354	0.8					T__				---		15304177	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.26	205.7	Lg	07:28:05.996	-0.6					T__				---		15304178	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.50	183.4	Pg	07:27:54.468	0.7					T__		22.6		---	MLv	15304179	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.50	183.4	Lg	07:28:15.017	0.3					T__				---		15304180	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.7 1																								
BZS	1.55	215.0	Pn	07:27:53.211	0.2					T__		20.7		---	MLv	15304181	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	1.55	215.0	Lg	07:28:15.977	0.4					T__				---		15304182	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	1.56	215.5	Pn	07:27:53.998	0.8					T__				---		15304183	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.56	215.5	Pn	07:27:53.998	0.8					T__				---		15304184	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.56	215.5	Lg	07:28:15.167	-0.8					T__				---		15304185	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.7 1																								
LOT	1.56	157.1	Pg	07:27:55.480	0.4					T__				---		15304186	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.56	157.1	Pg	07:27:55.480	0.4					T__				---		15304187	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.57	157.1	Pg	07:27:55.281	0.1					T__		32.0		---	MLv	15304188	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
LOT	1.57	157.1	Sn	07:28:15.605	-0.2					T__				---		15304189	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.9 0																								
BURAR	1.73	64.5	Pg	07:27:58.466	-0.5					T__				---		15304190	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	1.73	64.5	Pg	07:27:58.466	-0.5					T__				---		15304191	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	1.73	64.5	Lg	07:28:22.645	-0.2					T__				---		15304192	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	2.04	189.8	Pn	07:28:01.706	1.6					T__				---		15304193	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	2.04	189.8	Pn	07:28:01.706	1.6					T__				---		15304194	FDSN	IR	--	ISC	iLoc	???	???	_

HERR	2.04	189.8	Lg	07:28:27.278	-3.5	T__	---	15304195	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.08	133.5	Pn	07:28:01.514	0.3	T__	---	15304196	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.08	133.5	Pn	07:28:01.514	0.3	T__	---	15304197	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.08	133.5	Sn	07:28:28.774	-0.2	T__	---	15304198	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/06/25	07:32:55.89	0.93	0.63	47.8594	19.1127	7.3	3.0	172	0.0S	12	8	174	0.06	1.15	m	kx	BUD	15304123	iLoc			235
2019/06/25	07:32:55.71f		0.57	47.8355	19.1270f				0.0S	12		197	0.07	1.15	a	kx	BUD_GT	15328131	BUD			238

(GT info : GT2 explosion)

(description : known quarry blast)

(locality : Sejce-Vác Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.3	6 BUD	15304123
ML	1.6	0.3	6 ILOC	15328131

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A270A	0.07	277.6	Pg	07:32:57.748	0.0					T__		1959.4		---	MLv	15329927	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A270A	0.07	277.6	Lg	07:32:59.548	-0.0					T__				---		15329928	FDSN	Z3	00	BUD	BUD	HHE	???	_
(Station ML : 1.8 1																								
HU03A	0.33	77.7	Lg	07:33:08.773	0.6					T__				---		15329929	FDSN	ZJ	00	BUD	BUD	HHN	???	_
PSZ	0.52	80.6	Pg	07:33:07.594	0.5					T__		35.1		---	MLv	15329930	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.52	80.6	Lg	07:33:14.449	-1.1					T__				---		15329931	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.3 0																								
VVHS	0.69	343.6	Lg	07:33:19.158	-0.8					T__				---		15329932	FDSN	SK	--	BUD	BUD	HHN	???	_
A335A	0.81	319.4	Pg	07:33:11.772	-0.4					T__		121.2		---	MLv	15329933	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 2.0 1																								
HU02A	0.98	72.5	Pg	07:33:16.621	0.7					T__		24.4		---	MLv	15329934	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.98	72.5	Lg	07:33:31.531	0.0					T__				---		15329935	FDSN	ZJ	00	BUD	BUD	HHN	???	_
(Station ML : 1.4 1																								
KECS	1.12	54.0	Pg	07:33:18.682	0.8					T__		126.7		---	MLv	15329936	FDSN	SK	--	BUD	BUD	EHE	EHZ	_
(Station ML : 2.2 0																								
JOS	1.15	54.5	Pg	07:33:18.574	0.0					T__		20.4		---	MLv	15329937	FDSN	ZJ	--	BUD	BUD	HHZ	HHZ	_
JOS	1.15	54.5	Sn	07:33:35.060	-0.5					T__				---		15329938	FDSN	ZJ	--	BUD	BUD	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/06/25	08:28:51.35	0.90	1.01	47.9766	19.4348	6.9	3.5	169	0.0S	14	11	115	0.13	1.53	m	kx	BUD	15304221	iLoc			138
2019/06/25	08:28:51.39f		0.85	47.9151	19.4088f				0.0S	14		145	0.13	1.50	a	kx	BUD_GT	15328135	BUD			153

(GT info : GT2 explosion)

(description : known quarry blast)

(locality : Szanda Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.1	5 BUD	15304221
ML	1.8	0.1	5 ILOC	15328135

Sta	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	95.0	Pg	08:28:55.366	0.8					T__		2809.2		---	MLv	15329939	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_

(Station ML : 2.1 0)																					
A270A	0.27	255.2	Lg	08:29:02.972	0.8	T__							15329940	FDSN	Z3	00	BUD	BUD	HHE	???	_
PSZ	0.33	89.2	Pg	08:28:58.209	-0.6	T__	235.9	---	MLv				15329941	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.33	89.2	Lg	08:29:03.563	-0.9	T__		---					15329942	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.6 1)																					
VYHS	0.69	326.7	Pn	08:29:07.358	-0.2	T__	14.3	---	MLv				15329943	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
VYHS	0.69	326.7	Lg	08:29:15.404	-0.5	T__		---					15329944	FDSN	SK	--	BUD	BUD	HHN	???	_
(Station ML : 1.0 0)																					
A269A	0.75	248.6	Lg	08:29:19.061	0.3	T__		---					15329947	FDSN	Z3	00	BUD	BUD	HHE	???	_
HU02A	0.78	74.1	Pg	08:29:06.217	-1.3	T__	71.7	---	MLv				15329945	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.78	74.1	Lg	08:29:18.590	-1.2	T__		---					15329946	FDSN	ZJ	00	BUD	BUD	HHE	???	_
(Station ML : 1.8 1)																					
KECS	0.92	51.3	Lg	08:29:23.367	-0.1	T__		---					15329948	FDSN	SK	--	BUD	BUD	EHE	???	_
JOS	0.95	52.0	Pg	08:29:10.109	-0.2	T__	71.5	---	MLv				15329949	FDSN	ZJ	--	BUD	BUD	HHZ	HHZ	_
(Station ML : 1.9 1)																					
MPLH	1.47	240.2	Lg	08:29:41.994	0.8	T__		---					15329951	FDSN	HU	--	BUD	BUD	BHN	???	_
EGYH	1.49	251.2	Lg	08:29:43.003	1.0	T__		---					15329952	FDSN	HU	--	BUD	BUD	HHN	???	_
MODS	1.50	288.6	Sn	08:29:42.022	1.6	T__		---					15329950	FDSN	SK	--	BUD	BUD	HHN	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/06/25 11:41:29.60 2.57 0.61 48.5604 20.8611 15.3 8.7 46 0.0S 12 7 159 0.22 1.35 m sx BUD 15304258 iLoc 202
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.6 0.1 5 ILOC 15304258

Sta	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	253.3	Pg	11:41:34.318	0.0					T__		500.5	---	MLv		15304260	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.22	253.3	Lg	11:41:38.099	0.2					T__			---			15304261	FDSN	ZJ	--	BUD	iLoc	HHN	???	_
(Station ML : 1.6 1)																								
KECS	0.26	253.0	Pg	11:41:34.855	-0.2					T__		912.9	---	MLv		15304262	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.26	253.0	Lg	11:41:39.220	0.0					T__			---			15304263	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 2.0 0)																								
HU02A	0.49	207.2	Pg	11:41:40.113	0.1					T__		36.8	---	MLv		15304264	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.49	207.2	Lg	11:41:47.590	-0.4					T__			---			15304265	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.2 1)																								
PSZ	0.91	225.5	Pn	11:41:48.548	-0.2					T__		50.5	---	MLv		15304266	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.91	225.5	Lg	11:42:02.588	0.2					T__			---			15304267	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.7 1)																								
KOLS	1.01	67.7	Sn	11:42:06.570	-0.3					T__			---			15304268	FDSN	SK	--	BUD	iLoc	HHN	???	_
TRPA	1.20	110.4	Sn	11:42:11.091	0.1					T__			---			15304269	FDSN	HU	--	BUD	iLoc	BHN	???	_
VYHS	1.35	267.9	Pn	11:41:55.401	0.6					T__		5.3	---	MLv		15304270	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.35	267.9	Sn	11:42:13.144	-1.6					T__			---			15304271	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
 2019/06/26 07:16:19.54 3.30 0.25 47.6654 18.6324 18.4 15.5 28 0.0S 4 3 311 0.39 0.89 m kx BUD 15304293 iLoc 343
 2019/06/26 07:16:30.06f 2.07 47.2302 18.2835f 0.0S 4 161 0.13 0.51 a kx BUD_GT 15328141 BUD 270

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

Magnitude Err Nsta Author OrigID

Sta	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	353.4	Pg	07:16:32.514	-0.9					T__		1415.1		---	MLv	15329953	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.13	353.4	Lg	07:16:34.944	-1.6					T__				---		15329954	FDSN	HU	--	BUD	BUD	HHE	???	_
A267A	0.31	154.4	Lg	07:16:45.725	3.3					T__				---		15329955	FDSN	Z3	00	BUD	BUD	HHZ	???	_
MPLH	0.51	263.5	Lg	07:16:50.263	1.7					T__				---		15329956	FDSN	HU	--	BUD	BUD	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/06/26	08:55:08.76	0.90	1.09	48.2902	18.5640	5.7	3.3	17	0.0S		15	11	61	0.22	1.85	m	sx BUD	15304303	iLoc			114

(description : suspected quarry blast)
 (locality : Rybnik Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.6 0.1 5 ILOC 15304303

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
A335A	0.22	315.9	Pg	08:55:13.584	0.1					T__		493.4		---	MLv	15304305	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
A335A	0.22	315.9	Lg	08:55:17.736	0.4					T__				---		15304306	FDSN	Z3	00	BUD	iLoc	HHN	???	_		
(Station ML : 1.6 1																										
VVHS	0.27	41.5	Pg	08:55:14.916	0.4					T__		100.0		---	MLv	15304307	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_		
VVHS	0.27	41.5	Lg	08:55:18.793	-0.1					T__				---		15304308	FDSN	SK	--	BUD	iLoc	HHN	???	_		
(Station ML : 1.1 0																										
A270A	0.54	145.4	Lg	08:55:29.577	0.8					T__				---		15304309	FDSN	Z3	00	BUD	iLoc	HHN	???	_		
JAVC	0.82	314.2	Pg	08:55:25.742	0.1					T__		49.9		---	MLv	15304310	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_		
(Station ML : 1.7 1																										
MODS	0.86	276.0	Lg	08:55:38.390	-1.2					T__				---		15304311	FDSN	SK	--	BUD	iLoc	HHE	???	_		
A268A	0.96	206.9	Sn	08:55:43.636	-0.6					T__				---		15304312	FDSN	Z3	00	BUD	iLoc	HHN	???	_		
PSZ	0.97	112.2	Pg	08:55:28.972	-0.1					T__		32.1		---	MLv	15304313	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	0.97	112.2	Lg	08:55:42.371	-1.2					T__				---		15304314	FDSN	GE	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.5 1																										
LANS	1.05	34.5	Pg	08:55:29.145	-0.3					T__		61.3		---	MLv	15304315	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_		
(Station ML : 1.9 0																										
HU02A	1.32	96.6	Sn	08:55:54.028	0.7					T__				---		15304316	FDSN	ZJ	00	BUD	iLoc	HHN	???	_		
MORC	1.63	336.1	Pn	08:55:38.632	0.4					T__				---		15304317	FDSN	CZ	--	BUD	iLoc	BHZ	???	_		
MORC	1.63	336.1	Sn	08:55:58.782	-3.0					T__				---		15304318	FDSN	CZ	--	BUD	iLoc	BHN	???	_		
CONA	1.85	259.7	Lg	08:56:09.266	0.7					T__				---		15304319	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
2019/06/26	09:09:34.50	1.28	1.19	48.5580	20.7307	7.1	5.7	16	0.0S		13	7	162	0.14	1.28	m	sx BUD	15304341	iLoc			251

(description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID

ML 1.3 0.3 7 ILOC 15304341

Sta	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	244.1	Pg	09:09:37.770	0.2					T__		443.0		---	MLv	15304343	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_		
JOS	0.14	244.1	Lg	09:09:40.912	0.9					T__				---		15304344	FDSN	ZJ	--	BUD	iLoc	HHE	???	_		
(Station ML : 1.3 1)																										
KECS	0.18	245.4	Pg	09:09:38.297	-0.0					T__		1308.5		---	MLv	15304345	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_		
KECS	0.18	245.4	Lg	09:09:42.089	0.8					T__				---		15304346	FDSN	SK	--	BUD	iLoc	EHN	???	_		
(Station ML : 1.9 0)																										
HU02A	0.46	197.5	Pg	09:09:43.880	-0.3					T__		37.7		---	MLv	15304347	FDSN	ZJ	00	BUD	iLoc	HHN	HHZ	_		
HU02A	0.46	197.5	Lg	09:09:51.276	-0.4					T__				---		15304348	FDSN	ZJ	00	BUD	iLoc	HHE	???	_		
(Station ML : 1.1 1)																										
PSZ	0.85	221.4	Pg	09:09:52.092	-0.4					T__		36.1		---	MLv	15304349	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	0.85	221.4	Lg	09:10:04.371	-0.9					T__				---		15304350	FDSN	GE	--	BUD	iLoc	BHE	???	_		
(Station ML : 1.5 1)																										
LANS	1.02	305.9	Pg	09:09:54.040	-0.6					T__		39.0		---	MLv	15304351	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_		
(Station ML : 1.7 1)																										
VYHS	1.26	267.8	Pn	09:09:58.829	0.3					T__		5.3		---	MLv	15304352	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_		
VYHS	1.26	267.8	Sn	09:10:15.042	-2.5					T__				---		15304353	FDSN	SK	--	BUD	iLoc	HHN	???	_		
(Station ML : 0.9 0)																										
TRPA	1.28	108.9	Pg	09:09:59.839	0.7					T__		10.7		---	MLv	15304354	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_		
TRPA	1.28	108.9	Sn	09:10:15.730	-2.1					T__				---		15304355	FDSN	HU	--	BUD	iLoc	BHE	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/06/27	07:29:13.75	1.08	0.63	46.1291	18.3134	9.8	3.7	162	0.0S		6	4	185	0.15	0.47	m	kx BUD	15304385	iLoc			259
2019/06/27	07:29:13.96f		0.88	46.1765	18.2926f				0.0S		6		155	0.16	0.42	a	kx BUD_GT	15328149	BUD			239
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Komló-II Hungary)																						

Magnitude Err Nsta Author OrigID

Sta	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	236.7	Pg	07:29:17.562	-0.3					T__		336.2		---	MLv	15329957	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.16	236.7	Lg	07:29:20.262	-0.6					T__				---		15329958	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.25	80.7	Pg	07:29:19.500	0.0					T__		30.9		---	MLv	15329959	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.25	80.7	Lg	07:29:23.101	-0.8					T__				---		15329960	FDSN	HU	--	BUD	BUD	BHN	???	_
A266A	0.35	356.8	Lg	07:29:28.128	0.8					T__				---		15329961	FDSN	Z3	00	BUD	BUD	HHE	???	_
A265A	0.42	305.9	Lg	07:29:31.221	1.7					T__				---		15329962	FDSN	Z3	00	BUD	BUD	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/06/27	08:02:42.80	1.24	0.38	47.2429	18.2756	10.8	6.3	80	0.0S		8	5	149	0.12	1.31	m	kx BUD	15304401	iLoc			170
2019/06/27	08:02:42.50f		0.37	47.2302	18.2835f				0.0S		8		149	0.13	1.32	a	kx BUD_GT	15328153	BUD			172
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Iszkaszentgyörgy Hungary)																						

Magnitude Err Nsta Author OrigID

ML -1.1 0.0 3 BUD 15304401
ML 0.9 0.0 3 ILOC 15328153

Sta	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	353.4	Pg	08:02:46.027	0.2					T__		368.0		---	MLv	15329963	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.13	353.4	Lg	08:02:48.362	-0.6					T__				---		15329964	FDSN	HU	--	BUD	BUD	HHN	???	_
(Station ML : 1.2 1																								
A268A	0.32	309.6	Lg	08:02:54.825	-0.2					T__				---		15329965	FDSN	Z3	00	BUD	BUD	HHE	???	_
MORH	1.04	166.1	Pg	08:03:03.526	0.1					T__		6.1		---	MLv	15329966	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	1.04	166.1	Sn	08:03:18.933	-0.4					T__				---		15329967	FDSN	HU	--	BUD	BUD	BHE	???	_
(Station ML : 0.9 1																								
KOVH	1.15	186.4	Lg	08:03:22.257	-0.2					T__				---		15329968	FDSN	HU	--	BUD	BUD	BHE	???	_
VYHS	1.32	16.2	Pg	08:03:09.724	0.6					T__		4.5		---	MLv	15329969	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
VYHS	1.32	16.2	Lg	08:03:27.969	-0.3					T__				---		15329970	FDSN	SK	--	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/06/27	09:05:04.71	1.06	0.62	47.5406	18.4709	8.1	3.7	106	0.0S		8	5	124	0.11	1.33	m	kx	BUD	15304424	iLoc		168
2019/06/27	09:05:04.90f		0.66	47.5600	18.4573f				0.0S		8		121	0.09	1.35	a	kx	BUD_GT	15328157	BUD		161

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

Magnitude Err Nsta Author OrigID
ML 1.5 0.7 3 BUD 15304424
ML 1.5 0.5 3 ILOC 15328157

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A269A	0.09	327.2	Pg	09:05:07.838	0.5					T__		2300.5		---	MLv	15329971	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A269A	0.09	327.2	Lg	09:05:10.276	0.6					T__				---		15329972	FDSN	Z3	00	BUD	BUD	HHE	???	_
(Station ML : 1.9 1																								
CSKK	0.24	214.2	Pg	09:05:10.080	-0.1					T__		365.1		---	MLv	15329973	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.24	214.2	Lg	09:05:13.686	-1.1					T__				---		15329974	FDSN	HU	--	BUD	BUD	HHN	???	_
(Station ML : 1.5 1																								
A270A	0.47	52.8	Lg	09:05:23.041	0.1					T__				---		15329975	FDSN	Z3	00	BUD	BUD	HHZ	???	_
VYHS	0.97	15.1	Pn	09:05:24.834	-0.0					T__		13.4		---	MLv	15329976	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
VYHS	0.97	15.1	Lg	09:05:38.025	-0.8					T__				---		15329977	FDSN	SK	--	BUD	BUD	HHN	???	_
(Station ML : 1.2 1																								
MORH	1.35	174.5	Sn	09:05:48.411	-1.0					T__				---		15329978	FDSN	HU	--	BUD	BUD	BHZ	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/06/27	09:49:02.01	2.55	1.19	48.4497	20.9137	18.0	9.1	61	0.0S		11	5	298	0.25	1.38	m	sx	BUD	15304447	iLoc		311

(description : suspected quarry blast)
(locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
ML 1.4 0.0 5 ILOC 15304447

Sta	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	280.5	Pg	09:49:08.053	0.8	T__	248.2	---	MLv	15304449	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.25	280.5	Lg	09:49:11.425	0.0	T__		---		15304450	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 1.4 1																		
KECS	0.29	276.9	Pg	09:49:08.613	0.7	T__	1003.9	---	MLv	15304451	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.29	276.9	Lg	09:49:10.600	-1.9	T__	1.0	---		15304452	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	0.29	276.9	Lg	09:49:12.676	0.2	T__		---		15304453	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 2.1 0																		
HU02A	0.42	218.5	Pn	09:49:13.995	-1.3	T__	94.7	---	MLv	15304454	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.42	218.5	Lg	09:49:18.505	0.7	T__		---		15304455	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.4 1																		
PSZ	0.86	232.4	Pn	09:49:21.545	1.1	T__	27.0	---	MLv	15304456	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.86	232.4	Sn	09:49:34.944	-0.5	T__		---		15304457	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.4 1																		
VYHS	1.38	272.6	Pn	09:49:29.162	1.5	T__	6.3	---	MLv	15304458	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.38	272.6	Sn	09:49:46.992	-1.0	T__		---		15304459	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
 2019/06/27 13:18:41.14 1.15 0.73 47.1276 19.3539 12.4 4.8 110 0.0S 7 4 183 0.42 1.03 m kx BUD 15304482 iLoc 303
 (description : known quarry blast)
 (locality : Dabas Hungary)

Magnitude Err Nsta Author OrigID
 ML 1.5 0.4 3 ILOC 15304482

Sta	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	0.42	327.9	Lg	13:18:57.506	-0.1					T__						15304484	FDSN	HU	--	BUD	iLoc	BHN	???	_
HU03A	0.79	12.0	Pn	13:18:59.385	1.0					T__		56.3			MLv	15304485	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.79	12.0	Lg	13:19:09.182	-0.7					T__						15304486	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 1.7 1																								
PSZ	0.87	24.6	Pg	13:18:59.964	0.2					T__		29.5			MLv	15304487	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.87	24.6	Lg	13:19:12.948	-0.2					T__						15304488	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.5 1																								
MORH	1.03	208.4	Pg	13:19:02.561	0.3					T__		9.5			MLv	15304489	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.03	208.4	Lg	13:19:16.237	-0.6					T__						15304490	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/06/28 09:12:42.24 0.56 0.73 46.2341 16.0963 3.7 1.7 91 0.0F 0.0 16 2 0.86 1.09 a sx VIE 15274960 ISC 360
 2019/06/28 09:12:44.07 0.94 0.84 46.1859 16.0463 7.2 3.6 118 0.0S 13 8 130 0.28 1.22 m sx BUD 15304504 iLoc 168
 (description : suspected quarry blast)
 (locality : Ocura Croatia)

Magnitude Err Nsta Author OrigID
 ml 1.7 VIE 15274960
 ML 2.4 0.2 3 ILOC 15304504

Sta	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	0.28	191.1	Pg	09:12:49.877	-0.0					T__		243.1			MLv	15304506	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.28	191.1	Lg	09:12:53.998	-0.1					T__						15304507	FDSN	CR	--	BUD	iLoc	BHE	???	_

(Station ML : 1.5 1	
KOGS 0.30 28.2 Pg	09:12:50.397 0.0 T__ 2244.1 --- MLv 15304508 FDSN SL -- BUD iLoc BHZ BHZ _
KOGS 0.30 28.2 Lg	09:12:55.175 0.4 T__ --- 15304509 FDSN SL -- BUD iLoc BHE ??? _
(Station ML : 2.5 1	
CRES 0.55 229.0 Pg	09:12:54.482 -0.2 T__ 356.4 --- MLv 15304510 FDSN SL -- BUD iLoc BHZ BHZ _
CRES 0.55 229.0 Lg	09:13:02.512 -0.2 T__ --- 15304511 FDSN SL -- BUD iLoc BHE ??? _
CRES 0.55 229.0 Lg	09:13:03.100 0.4 T__ --- 15304512 FDSN IR -- ISC iLoc ??? ??? _
(Station ML : 2.4 1	
BEHE 0.58 60.4 Lg	09:13:04.533 0.1 T__ --- 15304513 FDSN HU -- BUD iLoc HHZ ??? _
SOKA 0.86 305.4 Lg	09:13:11.819 -0.1 T__ 4.1 0.34 --- 15304514 FDSN IR -- ISC iLoc ??? ??? _
OBKA 1.09 287.9 Lg	09:13:21.210 2.0 T__ --- 15304515 FDSN OE -- BUD iLoc BHN ??? _
ARSA 1.12 341.5 Sn	09:13:22.041 -0.5 T__ --- 15304516 FDSN OE -- BUD iLoc BHN ??? _
ARSA 1.12 341.5 Lg	09:13:18.469 -1.5 T__ 6.0 0.38 --- 15304517 FDSN IR -- ISC iLoc ??? ??? _
A011B 1.22 357.2 Sn	09:13:25.574 0.6 T__ --- 15304518 FDSN Z3 00 BUD iLoc HH3 ??? _

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/06/28	11:01:40.49	3.06	0.98	47.3471	18.4102	20.2	8.2	133	0.0S	6	5	157	0.10	1.18	m	sx	BUD	15304535	iLoc		265	
(description : suspected quarry blast)																						
(locality : Gánt Hungary)																						

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	279.1	Pg	11:01:43.230	0.0					T__		1484.9			MLv	15304537	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.10	279.1	Lg	11:01:44.652	-1.2					T__						15304538	FDSN	HU	--	BUD	iLoc	HHN	???	_
A269A	0.29	356.3	Lg	11:01:52.114	-0.1					T__						15304539	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A268A	0.34	284.5	Lg	11:01:54.999	1.2					T__						15304540	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MORH	1.14	171.8	Sn	11:02:20.105	0.3					T__						15304541	FDSN	HU	--	BUD	iLoc	BHN	???	_
VVHS	1.18	13.9	Sn	11:02:21.767	0.1					T__						15304542	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
2019/07/01	07:36:39.66	1.10	0.98	47.2570	18.2740	8.2	4.5	104	0.0S	7	4	171	0.11	1.07	m	sx	BUD	15304547	iLoc		265	
(description : suspected quarry blast)																						
(locality : Iszkaszentgyörgy Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.1	0.1	3 ILOC	15304547

Sta	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	355.1	Pg	07:36:42.688	0.2					T__		275.4			MLv	15304549	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.11	355.1	Lg	07:36:44.847	-0.3					T__						15304550	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.0 1																								
MPLH	0.51	260.4	Pg	07:36:50.628	0.5					T__		56.5			MLv	15304551	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.51	260.4	Lg	07:36:57.137	-0.9					T__						15304552	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.5 1																								
A266A	0.73	180.5	Lg	07:37:05.884	0.6					T__						15304553	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MORH	1.07	166.1	Pn	07:37:00.738	0.1					T__		9.7			MLv	15304554	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.07	166.1	Lg	07:37:15.072	-1.5					T__						15304555	FDSN	HU	--	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
2019/07/01	08:00:48.47	1.14	0.92	48.1991	21.2424	9.5	5.9	168	0.0S		20	10	159	0.49	2.90	m	kx BUD	15304569	iLoc			178
2019/07/01	08:00:48.68f		0.99	48.2470	21.2460f				0.0S		20		153	0.50	2.88	a	kx BUD_GT	15328171	BUD			173

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.1	5 BUD	15304569
ML	1.7	0.0	5 ILOC	15328171

Sta	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	0.50	255.8	Pg	08:00:58.744	-0.5					T__		93.1		---	MLv	15329979	FDSN	ZJ	00	BUD	BUD	HHN	HHZ	_		
HU02A	0.50	255.8	Lg	08:01:06.498	-0.8					T__				---		15329980	FDSN	ZJ	00	BUD	BUD	HHE	???	_		
(Station ML : 1.7 1																										
JOS	0.53	298.0	Pg	08:00:59.943	0.5					T__		75.2		---	MLv	15329981	FDSN	ZJ	--	BUD	BUD	HHZ	HHZ	_		
JOS	0.53	298.0	Lg	08:01:07.386	-0.2					T__				---		15329982	FDSN	ZJ	--	BUD	BUD	HHE	???	_		
(Station ML : 1.7 1																										
KECS	0.56	295.3	Pg	08:01:00.347	0.4					T__		170.9		---	MLv	15329983	FDSN	SK	--	BUD	BUD	EHN	EHZ	_		
KECS	0.56	295.3	Lg	08:01:08.726	0.2					T__				---		15329984	FDSN	SK	--	BUD	BUD	EHN	???	_		
(Station ML : 2.0 0																										
HOLU	0.81	69.3	Pn	08:01:05.846	-0.3					T__				---		15329985	FDSN	UA	--	BUD	BUD	MHZ	???	_		
HOLU	0.81	69.3	Lg	08:01:18.163	0.3					T__				---		15329986	FDSN	UA	--	BUD	BUD	MHZ	???	_		
TRPA	0.87	97.2	Pg	08:01:06.337	0.6					T__		31.1		---	MLv	15329987	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_		
TRPA	0.87	97.2	Lg	08:01:19.840	-0.3					T__				---		15329988	FDSN	HU	--	BUD	BUD	BHN	???	_		
(Station ML : 1.5 0																										
PSZ	0.96	250.6	Pg	08:01:08.976	-0.0					T__		62.7		---	MLv	15329990	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_		
PSZ	0.96	250.6	Lg	08:01:22.400	-1.0					T__				---		15329989	FDSN	IR	--	ISC	BUD	???	???	_		
PSZ	0.96	250.6	Lg	08:01:23.240	-0.2					T__				---		15329991	FDSN	GE	--	BUD	BUD	BHE	???	_		
(Station ML : 1.8 1																										
KOLS	0.97	44.4	Pn	08:01:08.405	-0.2					T__				---		15329993	FDSN	SK	--	BUD	BUD	HHZ	???	_		
KOLS	0.97	44.4	Pn	08:01:08.700	0.1					T__		12.1		---		15329994	FDSN	IR	--	ISC	BUD	???	???	_		
KOLS	0.97	44.4	Lg	08:01:23.800	0.8					T__		12.1		---		15329995	FDSN	IR	--	ISC	BUD	???	???	_		
KOLS	0.97	44.4	Sn	08:01:24.600	-0.4					T__				---		15329996	FDSN	SK	--	BUD	BUD	HHE	???	_		
MUKU	0.98	77.3	Pn	08:01:08.283	-0.4					T__				---		15329992	FDSN	UA	--	BUD	BUD	MHZ	???	_		
NIE	1.33	332.6	Sn	08:01:36.249	2.7					T__				---		15329997	FDSN	PL	--	BUD	BUD	BHN	???	_		
MORC	2.88	303.5	Pn	08:01:38.200	2.8					T__				---		15329998	FDSN	IR	--	ISC	BUD	???	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/07/01	08:19:52.79	0.83	0.80	48.6462	18.6218	5.9	2.9	46	0.0S		18	12	110	0.19	1.37	m	sx BUD	15304614	iLoc			178

(description : suspected quarry blast)
 (locality : Kamenec-pod-Vtacnikom Slovakia)

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.1	7 ILOC	15304614

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

A332A	0.19	326.7	Pg	08:19:56.301	-0.5	T__	550.9	---	MLv	15304616	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A332A	0.19	326.7	Lg	08:19:59.614	-0.1	T__		---		15304617	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 1.6 1																		
VYHS	0.21	136.9	Pg	08:19:57.773	0.5	T__	45.9	---	MLv	15304618	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.21	136.9	Lg	08:20:00.612	0.0	T__		---		15304619	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 0.5 0																		
A336A	0.48	148.6	Lg	08:20:10.047	-0.2	T__		---		15304620	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A331A	0.57	332.5	Pg	08:20:04.420	0.4	T__	85.0	---	MLv	15304621	FDSN	Z3	00	BUD	iLoc	HHN	HHZ	_
(Station ML : 1.7 1																		
MODS	0.94	253.5	Pg	08:20:11.674	-0.0	T__		---		15304622	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.94	253.5	Lg	08:20:25.784	-0.2	T__		---		15304623	FDSN	SK	--	BUD	iLoc	HHE	???	_
HU03A	0.99	138.3	Pg	08:20:13.721	0.5	T__	86.4	---	MLv	15304624	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.0 0																		
PSZ	1.12	130.1	Pg	08:20:16.192	-0.0	T__	35.7	---	MLv	15304625	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	1.12	130.1	Sn	08:20:30.513	-2.2	T__		---		15304626	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.7 1																		
OKC	1.23	345.6	Sn	08:20:34.126	-1.1	T__		---		15304627	FDSN	CZ	--	BUD	iLoc	BHN	???	_
KECS	1.25	96.8	Lg	08:20:34.611	-0.7	T__		---		15304628	FDSN	SK	--	BUD	iLoc	EHN	???	_
JOS	1.28	96.0	Pn	08:20:17.310	0.3	T__	28.1	---	MLv	15304629	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	1.28	96.0	Sn	08:20:35.021	-1.2	T__		---		15304630	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 1.7 1																		
MORC	1.33	328.4	Pn	08:20:17.716	-0.4	T__		---		15304631	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MORC	1.33	328.4	Lg	08:20:36.481	0.3	T__		---		15304632	FDSN	CZ	--	BUD	iLoc	BHE	???	_
HU02A	1.37	111.7	Pn	08:20:19.032	0.6	T__	37.2	---	MLv	15304633	FDSN	ZJ	00	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
2019/07/02	07:12:00.43	1.71	0.78	48.5976	20.9313	11.9	7.6	22	0.0S		13	7	205	0.28	1.40	m	sx BUD	15304663	iLoc			269
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.2	7 ILOC	15304663

Sta	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	0.28	248.8	Pg	07:12:06.917	0.7					T__		227.7		---	MLv	15304665	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.28	248.8	Lg	07:12:10.278	-0.4					T__				---		15304666	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 1.4 1																								
KECS	0.32	249.0	Pg	07:12:07.480	0.5					T__		979.4		---	MLv	15304667	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.32	249.0	Lg	07:12:10.555	-1.4					T__				---		15304668	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.32	249.0	Lg	07:12:11.800	-0.1					T__		1.0		---		15304669	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.2 0																								
ABAH	0.36	145.6	Pn	07:12:12.310	-0.7					T__		44.3		---	MLv	15304670	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.0 0																								
HU02A	0.55	209.8	Pg	07:12:12.658	0.7					T__		36.3		---	MLv	15304671	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.55	209.8	Lg	07:12:20.502	-0.2					T__				---		15304672	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.4 1																								
PSZ	0.97	225.9	Pg	07:12:21.731	0.9					T__		37.2		---	MLv	15304673	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.97	225.9	Lg	07:12:34.576	-0.7					T__				---		15304674	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.6 1																								
LANS	1.11	300.4	Pn	07:12:23.243	0.7					T__		26.4		---	MLv	15304675	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 1.5 1																								

VYHS	1.40	266.5	Pg	07:12:28.714	0.3	T__	7.6	___	MLv	15304676	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.40	266.5	Sn	07:12:46.302	-0.5	T__		___		15304677	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
2019/07/02	07:54:27.46	0.99	0.97	47.8228	19.1429	6.1	3.2	178	0.0S		13	9	171	0.09	1.15	m	kx	BUD	15304708	iLoc		206
2019/07/02	07:54:27.62f		0.82	47.8355	19.1270f				0.0S		13		168	0.07	1.15	a	kx	BUD_GT	15328179	BUD		197

(GT info : GT2 explosion)
 (description : known quarry blast)
 (locality : Sejce-Vác Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.2	5 BUD	15304708
ML	1.7	0.2	5 ILOC	15328179

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A270A	0.07	277.6	Pg	07:54:29.854	0.2					T__		2092.9		___	MLv	15329999	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A270A	0.07	277.6	Lg	07:54:31.769	0.3					T__				___		15330000	FDSN	Z3	00	BUD	BUD	HHE	???	_
(Station ML : 1.8 1																								
HU03A	0.33	77.7	Lg	07:54:40.740	0.7					T__				___		15330001	FDSN	ZJ	00	BUD	BUD	HHE	???	_
A336A	0.41	347.9	Pg	07:54:36.954	0.8					T__		169.9		___	MLv	15330002	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A336A	0.41	347.9	Lg	07:54:42.110	-0.6					T__				___		15330003	FDSN	Z3	00	BUD	BUD	HH3	???	_
(Station ML : 1.7 1																								
PSZ	0.52	80.6	Pg	07:54:38.784	-0.2					T__		33.0		___	MLv	15330004	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.52	80.6	Lg	07:54:44.876	-2.5					T__				___		15330005	FDSN	GE	--	BUD	BUD	BHE	???	_
(Station ML : 1.3 0																								
A269A	0.54	248.9	Lg	07:54:47.838	0.0					T__				___		15330006	FDSN	Z3	00	BUD	BUD	HHE	???	_
A338A	0.55	289.3	Lg	07:54:47.749	-0.5					T__				___		15330007	FDSN	Z3	00	BUD	BUD	HH3	???	_
VYHS	0.69	343.6	Lg	07:54:51.556	-0.3					T__				___		15330008	FDSN	SK	--	BUD	BUD	HHE	???	_
KECS	1.12	54.0	Pg	07:54:50.154	0.3					T__		79.9		___	MLv	15330009	FDSN	SK	--	BUD	BUD	EHN	EHZ	_
KECS	1.12	54.0	Sn	07:55:06.775	0.1					T__				___		15330010	FDSN	SK	--	BUD	BUD	EHE	???	_
(Station ML : 2.0 0																								
JOS	1.15	54.5	Pg	07:54:50.337	-0.1					T__		24.1		___	MLv	15330011	FDSN	ZJ	--	BUD	BUD	HHE	HHZ	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/07/02	09:09:01.31	1.07	1.09	47.9495	19.8746	6.9	5.1	24	0.0S		8	6	99	0.03	0.88	m	kx	BUD	15304744	iLoc		188
2019/07/02	09:08:59.85f		0.79	47.8222	19.8572f				0.0S		8		239	0.10	0.96	a	kx	BUD_GT	15328183	BUD		261

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

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	0.10	14.6	Pg	09:09:02.830	0.2					T__		891.4		___	MLv	15330012	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.10	14.6	Lg	09:09:04.250	-0.9					T__				___		15330013	FDSN	GE	--	BUD	BUD	BHN	???	_
HU03A	0.19	295.3	Lg	09:09:08.895	1.2					T__				___		15330014	FDSN	ZJ	00	BUD	BUD	HHE	???	_
HU02A	0.54	56.0	Lg	09:09:19.000	-1.1					T__				___		15330015	FDSN	ZJ	00	BUD	BUD	HHE	???	_
KECS	0.78	32.2	Lg	09:09:27.931	0.5					T__				___		15330016	FDSN	SK	--	BUD	BUD	EHN	???	_

JOS	0.81	33.8	Pn	09:09:17.782	0.4	T__	48.5	___	MLv	15330017	FDSN	ZJ	--	BUD	BUD	HHZ	HHZ	_
JOS	0.81	33.8	Lg	09:09:28.327	-0.1	T__		---		15330018	FDSN	ZJ	--	BUD	BUD	HHE	???	_
VYHS	0.96	314.9	Lg	09:09:32.259	-1.1	T__		---		15330019	FDSN	SK	--	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/07/03	05:43:58.12	2.28	0.70	47.8386	19.9517	15.3	5.0	160	0.0S	8	6	217	0.09	0.77	m	kx	BUD	15304762	iLoc			240
2019/07/03	05:43:58.11f		0.57	47.8285	19.9317f				0.0S	8		218	0.09	0.78	a	kx	BUD_GT	15328187	BUD			240

(GT info : GT2 explosion)

(description : known quarry blast)

(locality : Gyöngyössolymos-II Hungary)

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	0.09	344.4	Pg	05:44:00.696	-0.1					T__		839.4		_c_	MLv	15330020	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.09	344.4	Lg	05:44:02.635	-0.6					T__						15330021	FDSN	GE	--	BUD	BUD	BHN	???	_
HU03A	0.24	288.8	Lg	05:44:08.773	1.3					T__						15330022	FDSN	ZJ	00	BUD	BUD	HHN	???	_
HU02A	0.50	53.4	Lg	05:44:16.282	-0.5					T__						15330023	FDSN	ZJ	00	BUD	BUD	HHE	???	_
A270A	0.62	271.9	Lg	05:44:20.852	-0.1					T__						15330024	FDSN	Z3	00	BUD	BUD	HHE	???	_
KECS	0.75	29.3	Lg	05:44:24.499	-0.1					T__						15330025	FDSN	SK	--	BUD	BUD	EHN	???	_
JOS	0.78	31.1	Pg	05:44:14.051	0.3					T__		28.3		---	MLv	15330026	FDSN	ZJ	--	BUD	BUD	HHZ	HHZ	_
JOS	0.78	31.1	Lg	05:44:25.270	-0.3					T__						15330027	FDSN	ZJ	--	BUD	BUD	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/07/03	08:57:08.82	0.90	1.17	48.5510	19.3412	6.0	3.2	11	0.0S		23	12	136	0.34	1.70	m	sx	BUD	15304780	iLoc			144

(description : suspected quarry blast)

(locality : Viglas Slovakia)

Magnitude	Err	Nsta	Author	OrigID
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ML	1.9	0.2	9 ILOC	15304780
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Sta	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	0.34	260.5	Pg	08:57:16.474	0.6					T__		53.8		---	MLv	15304782	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.34	260.5	Lg	08:57:21.079	-0.0					T__						15304783	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.0 0																								
A336A	0.39	215.8	Pg	08:57:17.591	0.7					T__		1215.3		---	MLv	15304784	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A336A	0.39	215.8	Lg	08:57:23.468	0.4					T__						15304785	FDSN	Z3	00	BUD	iLoc	HH2	???	_
(Station ML : 2.5 0																								
A332A	0.63	293.9	Lg	08:57:30.447	-0.1					T__						15304786	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A335A	0.68	261.5	Pg	08:57:21.702	-0.9					T__		139.2		---	MLv	15304787	FDSN	Z3	00	BUD	iLoc	HHE	HHZ	_
A335A	0.68	261.5	Lg	08:57:32.131	-0.9					T__						15304788	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 2.0 1																								
PSZ	0.73	149.5	Pg	08:57:24.282	-0.1					T__		74.5		---	MLv	15304789	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.73	149.5	Lg	08:57:34.812	-0.8					T__						15304790	FDSN	GE	--	BUD	iLoc	HHE	???	_
(Station ML : 1.8 1																								
KECS	0.76	94.7	Pn	08:57:24.887	-0.9					T__		221.8		---	MLv	15304791	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.76	94.7	Lg	08:57:35.966	0.5					T__						15304792	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 2.3 1																								

JOS	0.80	93.6	Pn	08:57:25.598	-0.6	T__	63.9	---	MLv	15304793	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.80	93.6	Lg	08:57:36.910	0.3	T__		---		15304794	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
				(Station ML : 1.7 1														
A338A	0.85	231.3	Pn	08:57:28.820	1.8	T__	293.5	---	MLv	15304795	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A338A	0.85	231.3	Lg	08:57:38.629	-1.1	T__		---		15304796	FDSN	Z3	00	BUD	iLoc	HH3	???	_
				(Station ML : 2.4 1														
HU02A	0.90	118.1	Pn	08:57:27.969	0.2	T__	88.7	---	MLv	15304797	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.90	118.1	Lg	08:57:39.570	-1.6	T__		---		15304798	FDSN	ZJ	00	BUD	iLoc	HHZ	???	_
				(Station ML : 1.9 1														
A331A	0.95	309.4	Pn	08:57:30.921	2.2	T__	59.1	---	MLv	15304799	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A331A	0.95	309.4	Sn	08:57:45.155	0.8	T__		---		15304800	FDSN	Z3	00	BUD	iLoc	HHN	???	_
				(Station ML : 1.8 1														
MODS	1.39	263.4	Pg	08:57:36.624	0.1	T__		---		15304801	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	1.39	263.4	Sn	08:57:52.378	-2.8	T__		---		15304802	FDSN	SK	--	BUD	iLoc	HHN	???	_
MORC	1.70	316.8	Pn	08:57:40.675	1.4	T__		---		15304803	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MORC	1.70	316.8	Sn	08:58:02.971	-0.5	T__		---		15304804	FDSN	CZ	--	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
 2019/07/04 06:07:19.64 2.98 1.92 47.3650 18.3956 39.8 17.1 174 0.0S 6 5 110 0.09 1.80 m sx BUD 15304842 iLoc 208
 (description : suspected quarry blast)
 (locality : Gánt Hungary)

Magnitude Err Nsta Author OrigID

Sta	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	268.9	Pg	06:07:22.313	0.2					T__		680.2		---	MLv	15304844	FDSN	HU	--	BUD	iLoc	HHE	HHZ	_
CSKK	0.09	268.9	Lg	06:07:24.185	-0.4					T__				---		15304845	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	1.15	60.8	Sn	06:07:57.250	-2.9					T__				---		15304846	FDSN	GE	--	BUD	iLoc	HHN	???	_
MORH	1.16	171.5	Sn	06:07:59.014	-0.4					T__				---		15304847	FDSN	HU	--	BUD	iLoc	BHE	???	_
VYHS	1.17	14.5	Sn	06:08:01.017	0.6					T__				---		15304848	FDSN	SK	--	BUD	iLoc	HHN	???	_
CONA	1.80	289.1	Sn	06:08:17.060	1.5					T__				---		15304849	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
 2019/07/04 07:43:37.66 1.10 1.05 47.3642 18.3939 6.3 4.6 112 0.0S 11 9 110 0.09 1.29 m sx BUD 15304854 iLoc 156
 (description : suspected quarry blast)
 (locality : Gánt Hungary)

Magnitude Err Nsta Author OrigID

Sta	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	269.4	Pg	07:43:39.823	-0.3					T__		2939.1		---	MLv	15304856	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.09	269.4	Lg	07:43:41.802	-0.8					T__				---		15304857	FDSN	HU	--	BUD	iLoc	HHZ	???	_
A269A	0.27	358.4	Lg	07:43:49.727	0.9					T__				---		15304858	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A268A	0.33	282.0	Lg	07:43:52.213	1.7					T__				---		15304859	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A267A	0.42	171.8	Lg	07:43:54.416	0.8					T__				---		15304860	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MPLH	0.61	251.9	Pg	07:43:45.400	-4.9					---		0.3		---		15304861	FDSN	IR	--	ISC	iLoc	???	???	_
MPLH	0.61	251.9	Lg	07:43:47.000	-12.7					---		0.3		---		15304862	FDSN	IR	--	ISC	iLoc	???	???	_
EGYH	0.72	274.5	Sn	07:44:05.384	-1.4					T__				---		15304863	FDSN	HU	--	BUD	iLoc	HHN	???	_

PSZ	1.16	60.8	Sn	07:44:17.421	-0.8	T__									15304864	FDSN	GE	--	BUD	iLoc	BHN	???	_
MORH	1.16	171.4	Sn	07:44:16.526	-0.9	T__									15304865	FDSN	HU	--	BUD	iLoc	BHZ	???	_
VYHS	1.17	14.6	Pg	07:44:01.013	-0.3	T__				6.3			MLv		15304866	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.17	14.6	Lg	07:44:17.894	-0.5	T__									15304867	FDSN	SK	--	BUD	iLoc	HHN	???	_
KOVH	1.29	189.1	Lg	07:44:22.305	0.0	T__									15304868	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/07/04	08:01:21.25	0.34	0.95	48.2312	18.7901				0.0F	0.0	13	105		0.26	1.36	a	sx	KRSZO	15274991	ISC		360
2019/07/04	08:01:19.33	0.77	1.16	48.2215	18.7797	3.1	2.8	1	0.0S		32	16	82	0.15	1.76	m	sx	BUD	15326985	iLoc		103

(description : suspected quarry blast)
 (locality : Hontianske-Trstany Slovakia)

Magnitude	Err	Nsta	Author	OrigID
M	2.1		KRSZO	15274991
MLv	2.1		KRSZO	15274991
ML	1.9	0.2	10 ILOC	15326985

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
A336A	0.15	85.3	Pg	08:01:23.101	0.5					T__		3932.3			MLv	15326987	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.3 0)																								
VYHS	0.28	7.8	Pg	08:01:25.570	0.4					T__		107.9			MLv	15326988	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.28	7.8	Lg	08:01:30.036	0.5					T__						15326989	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.1 0)																								
A338A	0.35	234.4	Pg	08:01:27.484	0.7					T__		451.4			MLv	15326990	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A338A	0.35	234.4	Lg	08:01:33.721	0.9					T__						15326991	FDSN	Z3	00	BUD	iLoc	HH2	???	_
(Station ML : 1.9 1)																								
A335A	0.37	307.5	Pg	08:01:27.509	0.4					T__		280.7			MLv	15326992	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A335A	0.37	307.5	Lg	08:01:33.009	-0.2					T__						15326993	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 1.8 1)																								
SR0	0.51	217.6	Lg	08:01:39.072	0.6					T__						15326994	FDSN	SK	--	BUD	iLoc	EHE	???	_
HU03A	0.64	119.7	Pg	08:01:33.038	0.4					T__		145.1			MLv	15326995	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.64	119.7	Lg	08:01:42.103	-0.2					T__						15326996	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 2.0 1)																								
A337A	0.66	272.3	Lg	08:01:43.192	-0.2					T__						15326997	FDSN	Z3	00	BUD	iLoc	HHE	???	_
PSZ	0.81	111.7	Pn	08:01:37.274	0.2					T__		70.4			MLv	15326998	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.81	111.7	Lg	08:01:47.485	-1.2					T__						15326999	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.8 1)																								
CSKK	0.93	202.4	Pn	08:01:39.099	0.5					T__		97.5			MLv	15327000	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.93	202.4	Lg	08:01:51.086	-1.7					T__						15327001	FDSN	HU	--	BUD	iLoc	HHE	???	_
CSKK	0.93	202.4	Pn	08:01:38.800	0.2					T__		1.0				15327002	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.0 1)																								
JAVC	0.97	311.3	Pn	08:01:39.730	-0.0					T__						15327003	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.97	311.3	Lg	08:01:53.787	-0.4					T__						15327004	FDSN	CZ	--	BUD	iLoc	BHN	???	_
JAVC	0.97	311.3	Pg	08:01:39.300	0.1					T__						15327005	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	0.97	311.3	Lg	08:01:53.100	-1.1					T__						15327006	FDSN	IR	--	ISC	iLoc	???	???	_
MODS	1.01	279.2	Pg	08:01:39.626	-0.2					T__						15327007	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	1.01	279.2	Lg	08:01:53.510	-1.8					T__						15327008	FDSN	SK	--	BUD	iLoc	HHN	???	_
HU02A	1.17	94.2	Pn	08:01:41.580	-0.5					T__		35.5			MLv	15327009	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.17	94.2	Sn	08:01:57.843	-2.4					T__						15327010	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.7 0)																								
JOS	1.20	76.2	Pn	08:01:42.077	-0.3					T__		49.5			MLv	15327011	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_

JOS	1.20	76.2	Sn	08:01:57.102	-3.6	T__	---	15327012	FDSN	ZJ	--	BUD	iLoc	HHN	???	_		
(Station ML : 1.9 1)																		
EGYH	1.27	231.0	Lg	08:02:02.788	0.3	T__	---	15327013	FDSN	HU	--	BUD	iLoc	HHN	???	_		
MPLH	1.34	219.0	Pg	08:01:45.962	-0.2	T__	67.8	---	MLv	15327014	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	1.34	219.0	Sn	08:02:02.600	-1.4	T__	---	15327015	FDSN	HU	--	BUD	iLoc	BHN	???	_		
MPLH	1.34	219.0	Sn	08:02:04.300	0.1	T__	0.1	---	---	15327016	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.1 0)																		
MORC	1.76	332.8	Sn	08:02:13.320	-2.1	T__	---	15327017	FDSN	CZ	--	BUD	iLoc	HHE	???	_		
MORC	1.76	332.8	Pg	08:01:54.700	1.3	T__	---	15327018	FDSN	IR	--	ISC	iLoc	???	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/07/04	08:03:55.28	0.47	0.96	48.5564	20.7703				0.0F	0.0	9	148		0.20	1.29	a	kx	KRSZO	15275007	ISC		360
2019/07/04	08:03:53.93	1.30	0.73	48.5302	20.7791	10.3	3.4	10	0.0S		14	7	146	0.16	1.29	m	sx	BUD	15304956	iLoc		221
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.4		KRSZO	15275007
MLv	1.4		KRSZO	15275007
ML	1.2	0.1	7 ILOC	15304956

Sta	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	257.9	Pg	08:03:57.340	-0.1					T__		289.2		---	MLv	15304958	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.16	257.9	Lg	08:04:00.435	0.2					T__				---	---	15304959	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 1.2 1)																								
KECS	0.20	256.6	Pg	08:03:57.880	-0.3					T__		842.6		---	MLv	15304960	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.20	256.6	Lg	08:04:02.252	0.8					T__				---	---	15304961	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 1.8 0)																								
ABAH	0.39	127.2	Pg	08:04:01.988	0.1					T__		68.0		---	MLv	15304962	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.39	127.2	Lg	08:04:07.998	-0.7					T__				---	---	15304963	FDSN	HU	--	BUD	iLoc	HHE	???	_
ABAH	0.39	127.2	Lg	08:04:08.900	0.2					T__		0.1		---	---	15304964	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.2 1)																								
HU02A	0.44	202.6	Pg	08:04:03.446	0.1					T__		41.4		---	MLv	15304965	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.1 1)																								
PSZ	0.85	224.3	Lg	08:04:24.100	-0.6					T__		0.1		---	---	15304966	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.85	224.3	Pg	08:04:11.277	-0.6					T__		54.4		---	MLv	15304967	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.85	224.3	Lg	08:04:25.312	0.6					T__				---	---	15304968	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.7 1)																								
NIE	0.94	341.1	Pn	08:04:13.990	0.4					T__		19.0		---	MLv	15304969	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 1.3 1)																								
VVHS	1.29	269.1	Pn	08:04:18.683	0.3					T__		8.2		---	MLv	15304970	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VVHS	1.29	269.1	Sn	08:04:35.963	-1.8					T__				---	---	15304971	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	
2019/07/04	08:26:52.54	1.03	0.75	46.1447	18.3020	10.5	3.7	158	0.0S		6	4	175	0.15	1.15	m	kx	BUD	15305003	iLoc			259
2019/07/04	08:26:52.59f		0.53	46.1765	18.2926f				0.0S		6		155	0.16	1.12	a	kx	BUD_GT	15328201	BUD			251
(GT info : GT2 explosion)																							
(description : known quarry blast)																							

(locality : Komló-II Hungary)

Magnitude Err Nsta Author OrigID

Sta	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	236.7	Pg	08:26:56.323	-0.1					T__		505.5		---	MLv	15330028	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.16	236.7	Lg	08:26:59.162	-0.4					T__				---		15330029	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.25	80.7	Pg	08:26:58.331	0.2					T__		58.9		---	MLv	15330030	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.25	80.7	Lg	08:27:01.863	-0.7					T__				---		15330031	FDSN	HU	--	BUD	BUD	BHN	???	_
A266A	0.35	356.8	Lg	08:27:06.921	0.9					T__				---		15330032	FDSN	Z3	00	BUD	BUD	HHE	???	_
MPLH	1.12	332.7	Sn	08:27:30.599	-0.4					T__				---		15330033	FDSN	HU	--	BUD	BUD	BHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/07/04	09:11:45.19	0.99	0.77	47.2456	18.3012	6.7	4.1	82	0.0S		13	7	100	0.12	1.30	m	kx BUD	15305019	iLoc			159
2019/07/04	09:11:45.15f		0.69	47.2302	18.2835f				0.0S		13		97	0.13	1.32	a	kx BUD_GT	15328205	BUD			166

(GT info : GT2 explosion)

(description : known quarry blast)

(locality : Iszkaszentgyörgy Hungary)

Magnitude Err Nsta Author OrigID

ML	-0.4	0.2	7	BUD	15305019
ML	1.4	0.2	7	ILOC	15328205

Sta	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	09:11:48.200	-0.3					T__		3.3		---		15330034	FDSN	IR	--	ISC	BUD	???	???	_
CSKK	0.13	353.4	Pg	09:11:48.367	-0.1					T__		325.9		---	MLv	15330035	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.13	353.4	Lg	09:11:50.708	-0.9					T__				---		15330036	FDSN	HU	--	BUD	BUD	HHN	???	_
(Station ML : 1.2 1																								
A267A	0.31	154.4	Pg	09:11:52.006	0.1					T__		187.8		---	MLv	15330037	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 1.4 1																								
MPLH	0.51	263.5	Pg	09:11:55.659	-0.1					T__		70.5		---	MLv	15330038	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MPLH	0.51	263.5	Lg	09:12:04.799	1.2					T__				---		15330039	FDSN	HU	--	BUD	BUD	BHE	???	_
(Station ML : 1.6 1																								
MORH	1.04	166.1	Pg	09:12:05.907	-0.1					T__		6.7		---	MLv	15330040	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
(Station ML : 0.9 0																								
KOVH	1.15	186.4	Pg	09:12:07.950	-0.1					T__		22.6		---	MLv	15330041	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	1.15	186.4	Sn	09:12:23.184	-1.4					T__				---		15330042	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 1.5 1																								
PSZ	1.29	57.1	Pn	09:12:10.015	0.5					T__		28.5		---	MLv	15330043	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	1.29	57.1	Sn	09:12:27.705	-1.2					T__				---		15330044	FDSN	GE	--	BUD	BUD	BHE	???	_
(Station ML : 1.7 0																								
VYHS	1.32	16.2	Pn	09:12:10.206	0.3					T__		6.2		---	MLv	15330045	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
VYHS	1.32	16.2	Sn	09:12:29.248	-0.4					T__				---		15330046	FDSN	SK	--	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/07/04	10:18:38.30		0.70	46.1890	16.0970				0.0A							a	sx LJU	15275020	ISC			360
2019/07/04	10:18:39.62	0.81	0.82	46.2085	16.0012	5.8	2.9	87	0.0F	0.0	13		8	0.82	1.09	a	sx VIE	15275023	ISC			360
2019/07/04	10:18:38.29	0.88	0.53	46.1983	16.0789	5.0	3.7	133	0.0S		25	11	101	0.28	1.41	m	sx BUD	15326780	iLoc			145

Magnitude	Err	Nsta	Author	OrigID
ML	1.6		LJU	15275020
mb	1.3		VIE	15275023
m1	1.9		VIE	15275023
ML	1.6	0.0	6 ILOC	15326780

Sta	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	0.28	25.4	Pg	10:18:44.180	-0.0					T__						15326782	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.28	25.4	Lg	10:18:48.420	0.1					T__						15326783	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.28	25.4	IAML	10:18:49.020	-99.0					---		31.6	0.06	---		15326784	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.30	194.9	Pg	10:18:44.201	-0.3					T__		193.9		---	MLv	15326785	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.30	194.9	Lg	10:18:48.425	-0.5					T__				---		15326786	FDSN	CR	--	BUD	iLoc	BHZ	???	_
(Station ML : 1.4 0)																								
GOLS	0.37	239.5	Pg	10:18:46.180	0.6					T__						15326787	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.37	239.5	IAML	10:18:53.480	-99.0					---		17.0	0.13	---		15326788	FDSN	IR	--	ISC	iLoc	???	???	_
GROS	0.48	303.5	Pg	10:18:47.730	0.0					T__						15326789	FDSN	IR	--	ISC	iLoc	???	???	_
GROS	0.48	303.5	Lg	10:18:54.640	0.2					T__						15326790	FDSN	IR	--	ISC	iLoc	???	???	_
GROS	0.48	303.5	IAML	10:18:55.040	-99.0					---		12.9	0.07	---		15326791	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.55	60.3	Pg	10:18:49.961	0.1					T__		72.2		---	MLv	15326792	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BEHE	0.55	60.3	Lg	10:18:58.708	0.8					T__				---		15326793	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.7 1)																								
PDKS	0.76	260.1	Pg	10:18:53.270	0.3					T__						15326794	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	0.87	303.9	Pg	10:18:54.534	-0.4					T__		0.1	0.04	---		15326795	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	0.87	303.9	Lg	10:19:06.445	-0.0					T__		0.8	0.06	---		15326796	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.10	286.9	Pn	10:19:00.844	-0.3					T__		1.0	0.12	---		15326797	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.10	286.9	Lg	10:19:13.500	-0.5					T__		0.0		---		15326798	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.10	286.9	Sg	10:19:14.023	0.0					T__		6.9	0.34	---		15326799	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.10	286.9	Pn	10:19:00.612	-0.5					T__		30.0		---	MLv	15326800	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
OBKA	1.10	286.9	Sn	10:19:16.909	-0.3					T__				---		15326801	FDSN	OE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.6 1)																								
ARSA	1.12	340.2	Pg	10:18:59.989	0.0					T__		33.5		---	MLv	15326802	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
ARSA	1.12	340.2	Lg	10:19:14.634	0.6					T__				---		15326803	FDSN	OE	--	BUD	iLoc	BHN	???	_
ARSA	1.12	340.2	Pg	10:18:59.270	-0.7					T__		0.3	0.10	---		15326804	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.12	340.2	Sn	10:19:16.134	-0.5					T__		1.0	0.12	---		15326805	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.6 1)																								
A011B	1.21	356.1	Pn	10:19:01.924	-0.1					T__		28.3		---	MLv	15326806	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A011B	1.21	356.1	Lg	10:19:17.974	0.5					T__				---		15326807	FDSN	Z3	00	BUD	iLoc	HH3	???	_
(Station ML : 1.6 1)																								
KOVH	1.41	93.7	Pn	10:19:02.754	-1.6					T__		41.1		---	MLv	15326808	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	1.41	93.7	Sn	10:19:23.285	-0.2					T__				---		15326809	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2019/07/04	13:10:15.67	0.92	0.84	46.8169	17.3619	5.1	4.0	100	0.0S		13	7	83	0.18	1.07	m	sx BUD	15305129	iLoc			149		
(description : suspected quarry blast)																								
(locality : Várköly Hungary)																								

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.2	6 ILOC	15305129

Sta	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	190.4	Lg	13:10:23.916	0.8	T__									15305131	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A261A	0.20	312.8	Pg	13:10:20.102	-0.2	T__	1262.3	---	MLv						15305132	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.0 0)																							
MPLH	0.37	18.9	Pg	13:10:22.700	-1.0	T__				0.1	---				15305133	FDSN	IR	--	ISC	iLoc	???	???	_
MPLH	0.37	18.9	Pg	13:10:23.962	0.3	T__				70.4	---	MLv			15305134	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.37	18.9	Lg	13:10:30.265	0.5	T__					---				15305135	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.2 1)																							
BEHE	0.53	229.6	Pg	13:10:25.791	-1.0	T__				44.0	---	MLv			15305136	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BEHE	0.53	229.6	Lg	13:10:35.516	1.2	T__					---				15305137	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.4 1)																							
CSKK	0.82	48.0	Pn	13:10:34.255	0.8	T__				81.9	---	MLv			15305138	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.9 1)																							
KOVH	0.89	144.7	Pg	13:10:33.775	0.1	T__				27.2	---	MLv			15305139	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.89	144.7	Sn	13:10:47.275	-1.1	T__					---				15305140	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.4 1)																							
MORH	1.07	123.7	Pg	13:10:36.989	-0.1	T__				7.8	---	MLv			15305141	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.07	123.7	Lg	13:10:51.749	-0.9	T__					---				15305142	FDSN	HU	--	BUD	iLoc	BHN	???	_
MORH	1.07	123.8	Sn	13:10:53.000	0.2	T__				0.0	---				15305143	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/07/04	17:49:50.80	1.00	0.83	48.5708	20.8417	5.5	3.9	179	0.0S		15	9	118	0.22	1.34	m	sx BUD	15305171	iLoc			188	
(description : suspected quarry blast)																							
(locality : Dvorniky-Vcelare Slovakia)																							

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.1	7 ILOC	15305171

Sta	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	249.7	Pg	17:49:55.535	0.2					T__		354.1			MLv	15305173	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.22	249.7	Lg	17:49:59.109	0.3					T__						15305174	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 1.4 1)																								
KECS	0.25	249.8	Pg	17:49:55.700	-0.3					T__		1.2				15305175	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	0.25	249.8	Pg	17:49:55.917	-0.1					T__		1167.8			MLv	15305176	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.25	249.8	Lg	17:50:00.084	-0.0					T__						15305177	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 2.1 0)																								
ABAH	0.38	135.9	Pg	17:49:59.317	0.6					T__		82.5			MLv	15305178	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.38	135.9	Lg	17:50:03.277	-2.1					T__						15305179	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.3 0)																								
HUO2A	0.50	205.3	Pg	17:50:01.685	0.4					T__		70.2			MLv	15305180	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HUO2A	0.50	205.3	Lg	17:50:08.825	-0.5					T__						15305181	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.5 1)																								
STHS	0.89	17.2	Pg	17:50:07.404	0.1					T__		72.3			MLv	15305182	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 1.9 1)																								
PSZ	0.91	224.5	Pn	17:50:09.484	-0.4					T__		91.1			MLv	15305183	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.91	224.5	Lg	17:50:23.630	0.1					T__						15305184	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 2.0 1)																								
NIE	0.92	337.9	Pn	17:50:11.416	1.3					T__		33.5			MLv	15305185	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 1.5 1)																								
A336A	1.27	255.3	Sn	17:50:33.094	-0.7					T__						15305186	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VYHS	1.34	267.4	Sn	17:50:36.312	0.6					T__						15305187	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
2019/07/05	07:27:22.00		1.06	46.2000	16.0900				21.0A				8	0.87	1.74	a	ke CSEM	15275078	ISC			360
2019/07/05	07:27:22.30		0.60	46.1830	16.1140				6.3A							a	ke LJU	15275081	ISC			360
2019/07/05	07:27:23.10	0.25		46.1500	16.1170	0.0	0.0		6.3F	3.0	18			0.55	1.75	a	ke RHSSO	15275084	ISC			360
2019/07/05	07:27:22.60	0.70	0.85	46.1845	16.0929	4.2	2.5	138	8.2F	6.1	67	32	58	0.29	2.88	m	ke BUD	15305218	iLoc			65

Magnitude	Err	Nsta	Author	OrigID
m1	1.8		CSEM	15275078
ML	1.6		LJU	15275081
ML	1.7		RHSSO	15275084
ML	1.9	0.1	7 ILOC	15305218

Sta	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	22.4	Pg	07:27:28.490	-0.0					T__						15305220	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.29	22.4	Lg	07:27:32.560	0.0					T__						15305221	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.29	22.4	IAML	07:27:33.230	-99.0					---		37.3	0.07	---		15305222	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.29	22.4	Pg	07:27:28.171	-0.4					T__		1496.6		---	MLv	15305223	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.29	22.4	Lg	07:27:32.288	-0.3					T__				---		15305224	FDSN	SL	--	BUD	iLoc	BHE	???	_
(Station ML : 2.3 1																								
PTJ	0.29	197.4	Pg	07:27:28.372	-0.2					T__		416.8		---	MLv	15305225	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.29	197.4	Lg	07:27:32.188	-0.6					T__				---		15305226	FDSN	CR	--	BUD	iLoc	BHE	???	_
(Station ML : 1.7 1																								
GOLS	0.37	242.1	Pg	07:27:30.290	0.2					T__				---		15305227	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.37	242.1	Lg	07:27:35.730	0.2					T__				---		15305228	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.37	242.1	IAML	07:27:36.890	-99.0					---		25.0	0.10	---		15305229	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.43	265.6	Pg	07:27:30.950	-0.2					T__				---		15305230	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.43	265.6	Lg	07:27:38.090	0.7					T__				---		15305231	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.43	265.6	IAML	07:27:38.840	-99.0					---		38.6	0.10	---		15305232	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.45	225.8	Pg	07:27:31.470	-0.1					T__				---		15305233	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.45	225.8	IAML	07:27:39.370	-99.0					---		33.4	0.16	---		15305234	FDSN	IR	--	ISC	iLoc	???	???	_
CESS	0.49	244.5	Pg	07:27:32.420	0.3					T__				---		15305235	FDSN	IR	--	ISC	iLoc	???	???	_
CESS	0.49	244.5	Lg	07:27:40.010	0.8					T__				---		15305236	FDSN	IR	--	ISC	iLoc	???	???	_
CESS	0.49	244.5	IAML	07:27:40.790	-99.0					---		38.7	0.20	---		15305237	FDSN	IR	--	ISC	iLoc	???	???	_
GROS	0.49	304.2	Pg	07:27:31.950	-0.5					T__				---		15305238	FDSN	IR	--	ISC	iLoc	???	???	_
GROS	0.49	304.2	Lg	07:27:38.760	-0.6					T__				---		15305239	FDSN	IR	--	ISC	iLoc	???	???	_
GROS	0.49	304.2	IAML	07:27:39.200	-99.0					---		69.2	0.19	---		15305240	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.55	58.6	Pg	07:27:33.300	-0.5					T__				---		15305241	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.55	58.6	Lg	07:27:41.800	0.5					T__				---		15305242	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.55	58.6	Pg	07:27:33.920	0.1					T__		113.0		---	MLv	15305243	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BEHE	0.55	58.6	Lg	07:27:42.154	0.8					T__				---		15305244	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.9 1																								
CRES	0.57	231.3	Pg	07:27:33.669	-0.1					T__		374.7		---	MLv	15305245	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.57	231.3	Lg	07:27:41.276	-0.9					T__				---		15305246	FDSN	SL	--	BUD	iLoc	BHE	???	_
CRES	0.57	231.3	Pg	07:27:33.000	-0.8					T__				---		15305247	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.57	231.3	Lg	07:27:42.100	-0.0					T__				---		15305248	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.57	231.3	Sg	07:27:42.890	0.7					T__				---		15305249	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.57	231.3	IAML	07:27:44.200	-99.0					---		11.7	0.17	---		15305250	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.4 0																								
LEGS	0.59	246.7	Pg	07:27:34.040	-0.0					T__				---		15305251	FDSN	IR	--	ISC	iLoc	???	???	_
LEGS	0.59	246.7	Lg	07:27:43.620	0.9					T__				---		15305252	FDSN	IR	--	ISC	iLoc	???	???	_
PKDS	0.77	261.2	Pg	07:27:37.320	-0.1					T__				---		15305253	FDSN	IR	--	ISC	iLoc	???	???	_

PDKS	0.77	261.2	IAML	07:27:53.020	-99.0	---	14.7	0.15	---	15305254	FDSN	IR	--	ISC	iLoc	???	???	_
ZAVS	0.78	289.0	Pg	07:27:37.160	-0.4	T__			---	15305255	FDSN	IR	--	ISC	iLoc	???	???	_
ZAVS	0.78	289.0	IAML	07:27:49.260	-99.0	---	11.3	0.12	---	15305256	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	0.88	304.3	Pg	07:27:39.159	-0.3	T__	0.6	0.10	---	15305257	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	0.88	304.3	Lg	07:27:50.842	-0.5	T__	11.4	0.30	---	15305258	FDSN	IR	--	ISC	iLoc	???	???	_
BOJS	0.90	221.1	Pn	07:27:40.850	-0.4	T__			---	15305259	FDSN	IR	--	ISC	iLoc	???	???	_
BOJS	0.90	221.1	IAML	07:27:55.450	-99.0	---	5.8	0.18	---	15305260	FDSN	IR	--	ISC	iLoc	???	???	_
VISS	0.95	246.9	Pg	07:27:40.380	-0.0	T__			---	15305261	FDSN	IR	--	ISC	iLoc	???	???	_
VISS	0.95	246.9	IAML	07:27:58.390	-99.0	---	6.0	0.17	---	15305262	FDSN	IR	--	ISC	iLoc	???	???	_
VNDS	0.97	265.6	Pn	07:27:40.850	-1.4	T__			---	15305263	FDSN	IR	--	ISC	iLoc	???	???	_
VNDS	0.97	265.6	Sn	07:27:56.030	-0.3	T__			---	15305264	FDSN	IR	--	ISC	iLoc	???	???	_
VNDS	0.97	265.6	IAML	07:27:58.570	-99.0	---	7.5	0.14	---	15305265	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.12	287.4	Pn	07:27:43.800	-0.7	T__			---	15305266	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.12	287.4	Sn	07:27:59.400	-0.6	T__			---	15305267	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.12	287.4	Sn	07:27:59.457	-0.6	T__	11.3	0.30	---	15305268	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.12	287.4	Pn	07:27:44.564	0.0	T__	61.8		MLv	15305269	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
OBKA	1.12	287.4	Sn	07:27:58.824	-1.2	T__			---	15305270	FDSN	OE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.9 1																		
ARSA	1.14	340.0	Pn	07:27:44.163	-0.1	T__	31.9		MLv	15305271	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
ARSA	1.14	340.0	Sn	07:27:59.677	0.1	T__			---	15305272	FDSN	OE	--	BUD	iLoc	BHE	???	_
ARSA	1.14	340.0	Pg	07:27:42.982	-0.9	T__	0.4	0.08	---	15305273	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.14	340.0	Pb	07:27:44.000	0.1	T__			---	15305274	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.14	340.0	Lg	07:27:59.035	0.2	T__	0.1	0.06	---	15305275	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.14	340.0	Sn	07:28:00.200	0.7	T__			---	15305276	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.6 0																		
MOZS	1.15	276.1	Pn	07:27:44.380	-0.4	T__			---	15305277	FDSN	IR	--	ISC	iLoc	???	???	_
MOZS	1.15	276.1	IAML	07:28:04.810	-99.0	---	3.4	0.14	---	15305278	FDSN	IR	--	ISC	iLoc	???	???	_
GBAS	1.18	258.3	Pn	07:27:44.340	-0.7	T__			---	15305279	FDSN	IR	--	ISC	iLoc	???	???	_
GBAS	1.18	258.3	IAML	07:28:05.110	-99.0	---	2.3	0.12	---	15305280	FDSN	IR	--	ISC	iLoc	???	???	_
CEY	1.24	249.6	Pn	07:27:45.800	-0.2	T__			---	15305281	FDSN	IR	--	ISC	iLoc	???	???	_
CEY	1.24	249.6	Sn	07:28:02.700	-0.5	T__			---	15305282	FDSN	IR	--	ISC	iLoc	???	???	_
CRNS	1.28	266.0	Pn	07:27:46.600	0.1	T__			---	15305283	FDSN	IR	--	ISC	iLoc	???	???	_
CRNS	1.28	266.0	IAML	07:28:08.290	-99.0	---	7.6	0.15	---	15305284	FDSN	IR	--	ISC	iLoc	???	???	_
A051A	1.30	153.7	Pn	07:27:45.500	-1.3	T__			---	15305285	FDSN	IR	--	ISC	iLoc	???	???	_
A051A	1.30	153.7	Sn	07:28:03.200	-1.2	T__			---	15305286	FDSN	IR	--	ISC	iLoc	???	???	_
KNDS	1.36	241.9	Pn	07:27:48.450	0.7	T__			---	15305287	FDSN	IR	--	ISC	iLoc	???	???	_
KNDS	1.36	241.9	Lg	07:28:09.030	-0.2	T__			---	15305288	FDSN	IR	--	ISC	iLoc	???	???	_
KNDS	1.36	241.9	IAML	07:28:10.410	-99.0	---	8.5	0.26	---	15305289	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	1.40	93.2	Pg	07:27:49.585	0.4	T__	47.7		MLv	15305290	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 2.0 1																		
JAVS	1.44	259.1	Pn	07:27:49.340	0.5	T__			---	15305291	FDSN	IR	--	ISC	iLoc	???	???	_
JAVS	1.44	259.1	Lg	07:28:10.880	-0.3	T__			---	15305292	FDSN	IR	--	ISC	iLoc	???	???	_
JAVS	1.44	259.1	IAML	07:28:13.030	-99.0	---	5.3	0.31	---	15305293	FDSN	IR	--	ISC	iLoc	???	???	_
SKDS	1.59	247.0	Pg	07:27:52.160	1.2	T__			---	15305294	FDSN	IR	--	ISC	iLoc	???	???	_
SKDS	1.59	247.0	Lg	07:28:15.070	-1.2	T__			---	15305295	FDSN	IR	--	ISC	iLoc	???	???	_
SKDS	1.59	247.0	IAML	07:28:18.260	-99.0	---	3.4	0.17	---	15305296	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	1.63	151.5	Pg	07:27:51.500	-1.0	T__			---	15305297	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	1.63	151.5	Lg	07:28:12.600	-1.5	T__			---	15305298	FDSN	IR	--	ISC	iLoc	???	???	_
A050A	1.73	169.6	Pn	07:27:52.900	-0.1	T__			---	15305299	FDSN	IR	--	ISC	iLoc	???	???	_
A050A	1.73	169.6	Sn	07:28:15.500	-0.2	T__			---	15305300	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.75	354.9	Pg	07:27:57.093	1.6	T__	0.5	0.20	---	15305301	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.77	88.1	Pn	07:27:54.000	1.6	T__			---	15305302	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.77	88.1	Sn	07:28:16.900	2.2	T__			---	15305303	FDSN	IR	--	ISC	iLoc	???	???	_

JAVC	2.88	21.2	Pg	07:28:20.600	3.3	T__	---	15305304	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	2.88	21.2	Sn	07:28:30.400	-13.0	---	---	15305305	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/07/05	07:39:15.87	1.57	1.43	47.3282	17.6376	5.2	3.4	135	0.5F	2.5	14	9	90	0.17	1.42	m	ke BUD	15305359	iLoc			127

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.0	5 ILOC	15305359

Sta	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	202.9	Pg	07:39:18.985	-0.7					T__		902.1		---	MLv	15305361	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.17	202.9	Lg	07:39:22.714	0.0					T__				---		15305362	FDSN	HU	--	BUD	iLoc	BHE	???	_
				(Station ML : 1.7 1																				
A268A	0.22	62.0	Pg	07:39:20.403	-0.3					T__		781.6		---	MLv	15305363	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A268A	0.22	62.0	Lg	07:39:24.829	0.2					T__				---		15305364	FDSN	Z3	00	BUD	iLoc	HHN	???	_
				(Station ML : 1.8 1																				
EGYH	0.23	293.1	Lg	07:39:25.294	0.7					T__				---		15305365	FDSN	HU	--	BUD	iLoc	HHN	???	_
CSKK	0.43	85.0	Lg	07:39:31.354	-0.5					T__				---		15305366	FDSN	HU	--	BUD	iLoc	HHN	???	_
TIH	0.46	158.2	Lg	07:39:33.617	1.4					T__				---		15305367	FDSN	HU	--	BUD	iLoc	HHN	???	_
MODS	1.07	347.1	Sn	07:39:50.391	-3.3					T__				---		15305368	FDSN	SK	--	BUD	iLoc	HHE	???	_
KOVH	1.28	165.4	Pg	07:39:42.119	1.0					T__		41.3		---	MLv	15305369	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	1.28	165.4	Sn	07:39:58.829	0.9					T__				---		15305370	FDSN	HU	--	BUD	iLoc	BHE	???	_
				(Station ML : 1.8 0																				
CONA	1.34	297.2	Pn	07:39:39.300	-1.9					T__		30.3		---	MLv	15305371	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
CONA	1.34	297.2	Lg	07:40:00.398	0.8					T__				---		15305372	FDSN	OE	--	BUD	iLoc	BHN	???	_
				(Station ML : 1.7 1																				
VYHS	1.42	34.2	Pn	07:39:42.666	0.7					T__		5.5		---	MLv	15305373	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.42	34.2	Sn	07:40:02.100	-0.2					T__				---		15305374	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	
2019/07/05	07:50:45.53	1.01	1.79	48.2588	21.2376	7.8	4.5	179	0.0S		15	11	151	0.04	3.31	m	kx BUD	15305396	iLoc				179
2019/07/05	07:50:45.29f		1.59	48.2470	21.2460f				0.0S		15		153	0.05	3.32	a	kx BUD_GT	15328213	BUD				181

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.1	5 BUD	15305396
ML	1.5	0.0	5 ILOC	15328213

Sta	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	07:50:47.027	0.2					T__		5962.5		---	MLv	15330047	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
				(Station ML : 2.2 0																				
HU02A	0.50	255.8	Pg	07:50:56.570	0.7					T__		63.2		---	MLv	15330048	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.50	255.8	Lg	07:51:02.979	-1.0					T__				---		15330049	FDSN	ZJ	00	BUD	BUD	HHN	???	_
				(Station ML : 1.5 1																				
JOS	0.53	298.0	Pg	07:50:56.184	0.2					T__		47.8		---	MLv	15330050	FDSN	ZJ	--	BUD	BUD	HHZ	HHZ	_
JOS	0.53	298.0	Lg	07:51:04.158	-0.1					T__				---		15330051	FDSN	ZJ	--	BUD	BUD	HHN	???	_

(Station ML : 1.5 1																			
KECS	0.56	295.3	Pg	07:50:56.866	0.3	T__		105.1	---	MLv	15330052	FDSN	SK	--	BUD	BUD	EHE	EHZ	_
KECS	0.56	295.3	Lg	07:51:05.207	0.1	T__			---		15330053	FDSN	SK	--	BUD	BUD	EHN	???	_
(Station ML : 1.8 1																			
HOLU	0.81	69.3	Pn	07:51:02.659	-0.1	T__			---		15330054	FDSN	UA	--	BUD	BUD	MHZ	???	_
TRPA	0.87	97.2	Pn	07:51:02.982	-0.7	T__		24.7	---	MLv	15330055	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
TRPA	0.87	97.2	Lg	07:51:16.251	-0.5	T__			---		15330056	FDSN	HU	--	BUD	BUD	BHE	???	_
(Station ML : 1.4 0																			
PSZ	0.96	250.6	Lg	07:51:20.211	0.2	T__			---		15330057	FDSN	GE	--	BUD	BUD	BHN	???	_
KOLS	0.97	44.4	Pn	07:51:04.884	-0.3	T__			---		15330058	FDSN	SK	--	BUD	BUD	HHZ	???	_
MORC	2.88	303.5	Lg	07:52:19.600	1.6	T__			---		15330059	FDSN	IR	--	ISC	BUD	???	???	_
VRAC	3.26	290.8	Sn	07:52:23.100	4.8	T__			---		15330060	FDSN	IR	--	ISC	BUD	???	???	_
KRUC	3.32	286.0	Lg	07:52:32.100	-3.1	T__			---		15330061	FDSN	IR	--	ISC	BUD	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/07/06	00:38:20.10			48.4100	23.0200				6.9A							a	ke SIGU	15275263	ISC			360
2019/07/06	00:38:20.46	0.87	1.09	48.3849	22.9840	4.4	3.3	43	7.4F	5.7	30	18	90	0.05	2.12	m	ke BUD	15305450	iLoc			136

Magnitude	Err	Nsta	Author	OrigID
mb	1.1		SIGU	15275263
ML	1.8	0.1	5 ILOC	15305450

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
BRIU	0.05	152.7	Pg	00:38:21.689	-0.5					T__						15305452	FDSN	UA	--	BUD	iLoc	MHZ	???	_
BRIU	0.05	152.7	Pg	00:38:22.200	-0.0					T__						15305453	FDSN	IR	--	ISC	iLoc	???	???	_
BRIU	0.05	152.7	x	00:38:22.600	-99.0					---		80.0				15305454	FDSN	IR	--	ISC	iLoc	???	???	_
BRIU	0.05	152.7	Lg	00:38:23.700	-0.1					T__						15305455	FDSN	IR	--	ISC	iLoc	???	???	_
BRIU	0.05	152.7	x	00:38:24.100	-99.0					---		300.0				15305456	FDSN	IR	--	ISC	iLoc	???	???	_
BRIU	0.05	152.7	x	00:38:24.200	-99.0					---		1200.0				15305457	FDSN	IR	--	ISC	iLoc	???	???	_
MUKU	0.21	289.3	Pg	00:38:25.500	0.7					T__						15305458	FDSN	IR	--	ISC	iLoc	???	???	_
MUKU	0.21	289.3	x	00:38:25.800	-99.0					---		10.0				15305459	FDSN	IR	--	ISC	iLoc	???	???	_
MUKU	0.21	289.3	Lg	00:38:29.300	0.8					T__						15305460	FDSN	IR	--	ISC	iLoc	???	???	_
MUKU	0.21	289.3	x	00:38:30.700	-99.0					---		20.0				15305461	FDSN	IR	--	ISC	iLoc	???	???	_
MUKU	0.21	289.3	x	00:38:30.700	-99.0					---		60.0				15305462	FDSN	IR	--	ISC	iLoc	???	???	_
KORU	0.25	156.2	Pg	00:38:25.800	0.3					T__						15305463	FDSN	IR	--	ISC	iLoc	???	???	_
KORU	0.25	156.2	Lg	00:38:30.200	0.4					T__						15305464	FDSN	IR	--	ISC	iLoc	???	???	_
KORU	0.25	156.2	x	00:38:38.200	-99.0					---		90.0				15305465	FDSN	IR	--	ISC	iLoc	???	???	_
BERU	0.27	236.2	Pg	00:38:26.300	0.3					T__						15305466	FDSN	IR	--	ISC	iLoc	???	???	_
BERU	0.27	236.2	x	00:38:26.600	-99.0					---		30.0				15305467	FDSN	IR	--	ISC	iLoc	???	???	_
BERU	0.27	236.2	Lg	00:38:30.500	-0.3					T__						15305468	FDSN	IR	--	ISC	iLoc	???	???	_
BERU	0.27	236.2	x	00:38:36.000	-99.0					---		20.0				15305469	FDSN	IR	--	ISC	iLoc	???	???	_
BERU	0.27	236.2	x	00:38:37.500	-99.0					---		30.0				15305470	FDSN	IR	--	ISC	iLoc	???	???	_
TRSU	0.29	183.6	Pg	00:38:26.800	0.5					T__						15305471	FDSN	IR	--	ISC	iLoc	???	???	_
TRSU	0.29	183.6	x	00:38:28.400	-99.0					---		20.0				15305472	FDSN	IR	--	ISC	iLoc	???	???	_
TRSU	0.29	183.6	Lg	00:38:31.800	0.5					T__						15305473	FDSN	IR	--	ISC	iLoc	???	???	_
TRSU	0.29	183.6	x	00:38:32.300	-99.0					---		110.0				15305474	FDSN	IR	--	ISC	iLoc	???	???	_
TRSU	0.29	183.6	x	00:38:32.900	-99.0					---		50.0				15305475	FDSN	IR	--	ISC	iLoc	???	???	_
MEZ	0.38	69.7	Pg	00:38:28.483	0.5					T__						15305476	FDSN	UA	--	BUD	iLoc	BHZ	???	_
TRPA	0.39	229.6	Pg	00:38:28.404	0.2					T__		16.4				15305477	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
TRPA	0.39	229.6	Lg	00:38:33.960	-1.0					T__						15305478	FDSN	HU	--	BUD	iLoc	BHN	???	_

(Station ML : 0.6 0

HOLU	0.42	289.8	Lg	00:38:34.700	-1.2	T__								15305479	FDSN	IR	--	ISC	iLoc	???	???	_	
STZU	0.68	339.4	Pg	00:38:34.100	0.8	T__								15305480	FDSN	IR	--	ISC	iLoc	???	???	_	
STZU	0.68	339.4	x	00:38:35.400	-99.0	---				10.0				15305481	FDSN	IR	--	ISC	iLoc	???	???	_	
STZU	0.68	339.4	Lg	00:38:42.200	-1.6	T__								15305482	FDSN	IR	--	ISC	iLoc	???	???	_	
STZU	0.68	339.4	x	00:38:54.700	-99.0	---				20.0				15305483	FDSN	IR	--	ISC	iLoc	???	???	_	
STZU	0.68	339.4	x	00:38:54.800	-99.0	---				10.0				15305484	FDSN	IR	--	ISC	iLoc	???	???	_	
KOLS	0.72	319.6	Pn	00:38:35.540	-1.5	T__								15305485	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.72	319.6	Sn	00:38:47.594	-2.0	T__								15305486	FDSN	SK	--	BUD	iLoc	HHE	???	_	
BMR	0.79	154.0	Pg	00:38:35.825	-0.0	T__				120.5				15305487	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
BMR	0.79	154.0	Lg	00:38:46.740	-1.1	T__								15305488	FDSN	RO	--	BUD	iLoc	BHE	???	_	
(Station ML : 2.0 0																							
HU07A	0.82	241.0	Pn	00:38:37.554	0.2	T__				91.4				15305489	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
(Station ML : 1.9 1																							
NSLU	1.00	100.2	Pg	00:38:27.400	-12.3	---								15305490	FDSN	IR	--	ISC	iLoc	???	???	_	
NSLU	1.00	100.2	x	00:38:28.000	-99.0	---				10.0				15305491	FDSN	IR	--	ISC	iLoc	???	???	_	
NSLU	1.00	100.2	Lg	00:38:33.400	-20.6	---								15305492	FDSN	IR	--	ISC	iLoc	???	???	_	
NSLU	1.00	100.2	x	00:38:34.700	-99.0	---				30.0				15305493	FDSN	IR	--	ISC	iLoc	???	???	_	
NSLU	1.00	100.2	x	00:38:37.800	-99.0	---				30.0				15305494	FDSN	IR	--	ISC	iLoc	???	???	_	
ABAH	1.17	266.3	Pn	00:38:42.537	0.3	T__				35.3				15305495	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ABAH	1.17	266.3	Sn	00:38:58.916	-0.7	T__								15305496	FDSN	HU	--	BUD	iLoc	HHE	???	_	
(Station ML : 1.7 1																							
DRGR	1.60	186.7	Sn	00:39:08.901	-1.9	T__								15305497	FDSN	RO	--	BUD	iLoc	BHN	???	_	
JOS	1.63	274.8	Pn	00:38:50.085	1.3	T__				24.2				15305498	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_	
JOS	1.63	274.8	Lg	00:39:13.264	-0.9	T__								15305499	FDSN	ZJ	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.8 1																							
BURAR	1.66	115.7	Pn	00:38:50.731	0.6	T__								15305500	FDSN	RO	--	BUD	iLoc	BHZ	???	_	
HU02A	1.66	261.8	Lg	00:39:14.192	-1.8	T__								15305501	FDSN	ZJ	00	BUD	iLoc	HHE	???	_	
PSZ	2.12	258.4	Lg	00:39:28.828	-2.2	T__								15305502	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
2019/07/06	08:49:32.29	1.03	1.28	46.1435	18.2976	10.6	3.7	158	0.0S		6	4	175	0.15	1.15	m	kx BUD	15305434	iLoc			260
2019/07/06	08:49:32.34f		0.83	46.1765	18.2926f				0.0S		6		155	0.16	1.12	a	kx BUD_GT	15328217	BUD			251
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Koml6-II Hungary)																						

Magnitude	Err	Nsta	Author	OrigID	Sta	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	236.7	Pg	08:49:36.012	-0.2					T__		498.7			MLv	15330062	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
					KOVH	0.16	236.7	Lg	08:49:38.623	-0.7					T__						15330063	FDSN	HU	--	BUD	BUD	BHN	???	_
					MORH	0.25	80.7	Pg	08:49:37.820	-0.0					T__		79.3			MLv	15330064	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
					MORH	0.25	80.7	Lg	08:49:42.589	0.3					T__						15330065	FDSN	HU	--	BUD	BUD	BHN	???	_
					A266A	0.35	356.8	Lg	08:49:46.891	1.1					T__						15330066	FDSN	Z3	00	BUD	BUD	HHN	???	_
					MPLH	1.12	332.7	Sn	08:50:09.251	-1.5					T__						15330067	FDSN	HU	--	BUD	BUD	BHZ	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/07/08	08:09:50.81	1.46	0.07	46.1060	18.0834	8.4	5.3	117	0.0S		5	3	209	0.02	0.41	m	kx BUD	15305543	iLoc			286

2019/07/08 08:09:49.86f 0.78 46.1254 18.0152f 0.0S 5 224 0.07 0.45 a kx BUD_GT 15328221 BUD 315
 (GT info : GT2 explosion)
 (description : known quarry blast)
 (locality : Bükkösd-II Hungary)

Magnitude Err Nsta Author OrigID

Sta	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	122.2	Pg	08:09:51.761	-0.2					T__		1258.9		---	MLv	15330068	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.07	122.2	Lg	08:09:53.066	-0.8					T__				---		15330069	FDSN	HU	--	BUD	BUD	BHN	???	_
A273A	0.25	213.6	Lg	08:10:00.757	1.4					T__				---		15330070	FDSN	Z3	00	BUD	BUD	HHE	???	_
MORH	0.45	78.1	Pg	08:09:59.389	0.2					T__		37.7		---	MLv	15330071	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
MORH	0.45	78.1	Lg	08:10:05.925	-0.5					T__				---		15330072	FDSN	HU	--	BUD	BUD	HHZ	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/07/08 08:28:28.40 1.61 0.74 48.6291 20.7291 10.9 5.3 177 0.0S 13 8 118 0.18 1.26 m sx BUD 15305558 iLoc 168
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID

ML 1.4 0.1 7 ILOC 15305558

Sta	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	223.7	Pg	08:28:32.555	0.3					T__		308.6		---	MLv	15305560	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_		
JOS	0.18	223.7	Lg	08:28:35.755	0.4					T__				---		15305561	FDSN	ZJ	--	BUD	iLoc	HHN	???	_		
(Station ML : 1.3 1)																										
KECS	0.22	228.0	Pg	08:28:33.030	0.1					T__		534.5		---	MLv	15305562	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_		
KECS	0.22	228.0	Lg	08:28:37.023	0.5					T__				---		15305563	FDSN	SK	--	BUD	iLoc	EHN	???	_		
(Station ML : 1.6 1)																										
ABAH	0.48	134.2	Pg	08:28:38.314	0.2					T__		55.3		---	MLv	15305564	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
(Station ML : 1.4 1)																										
HU02A	0.53	195.1	Pg	08:28:40.041	0.6					T__		35.8		---	MLv	15305565	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_		
HU02A	0.53	195.1	Lg	08:28:46.373	-1.5					T__				---		15305566	FDSN	ZJ	00	BUD	iLoc	HHN	???	_		
(Station ML : 1.3 1)																										
STHS	0.86	23.1	Pn	08:28:46.235	-0.7					T__		64.6		---	MLv	15305567	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_		
(Station ML : 1.8 0)																										
PSZ	0.90	218.4	Pn	08:28:47.039	-0.4					T__		43.6		---	MLv	15305568	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	0.90	218.4	Lg	08:29:00.065	-0.9					T__				---		15305569	FDSN	GE	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.6 1)																										
KOLS	1.07	72.8	Sn	08:29:07.293	0.2					T__				---		15305570	FDSN	SK	--	BUD	iLoc	HHE	???	_		
VYHS	1.26	264.6	Pg	08:28:53.668	-0.1					T__		5.1		---	MLv	15305571	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_		
VYHS	1.26	264.6	Sn	08:29:10.665	-0.9					T__				---		15305572	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
 2019/07/08 08:49:47.42 1.01 0.86 47.8634 18.8203 5.5 3.9 52 0.0S 13 8 119 0.13 1.31 m sx BUD 15305646 iLoc 233
 (description : suspected quarry blast)
 (locality : Márianosztra Hungary)

Magnitude Err Nsta Author OrigID
 ML 1.6 0.1 6 ILOC 15305646

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A270A	0.13	97.7	Pg	08:49:50.870	0.2					T__		1711.8		---	MLv	15305648	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A270A	0.13	97.7	Lg	08:49:53.483	0.1					T__				---		15305649	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 1.9 0)																								
A336A	0.39	17.9	Pg	08:49:56.097	0.6					T__		146.8		---	MLv	15305650	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A336A	0.39	17.9	Lg	08:50:01.762	-0.1					T__				---		15305651	FDSN	Z3	00	BUD	iLoc	HH3	???	_
(Station ML : 1.5 1)																								
CSKK	0.63	217.3	Lg	08:50:10.604	-0.1					T__				---		15305652	FDSN	HU	--	BUD	iLoc	HHZ	???	_
VYHS	0.63	1.0	Pg	08:50:00.633	0.3					T__		7.5		---	MLv	15305653	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.63	1.0	Lg	08:50:09.807	0.0					T__				---		15305654	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 0.7 0)																								
A335A	0.67	331.1	Pn	08:50:02.675	-1.5					T__		73.3		---	MLv	15305655	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A335A	0.67	331.1	Lg	08:50:10.400	-1.2					T__				---		15305656	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 1.7 1)																								
PSZ	0.72	85.2	Lg	08:50:12.785	-1.3					T__				---		15305657	FDSN	GE	--	BUD	iLoc	BHN	???	_
HU02A	1.17	76.6	Pn	08:50:10.929	0.8					T__		19.6		---	MLv	15305658	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.4 1)																								
JOS	1.31	60.5	Pn	08:50:12.672	0.7					T__		24.8		---	MLv	15305659	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	1.31	60.5	Sn	08:50:30.511	-0.8					T__				---		15305660	FDSN	ZJ	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/07/09	08:53:35.46	1.05	1.00	47.8373	19.1614	7.1	3.4	177	0.0S		10	5	194	0.10	1.13	m	kx BUD	15305602	iLoc			264
2019/07/09	08:53:35.46f		1.06	47.8355	19.1270f				0.0S		10		197	0.07	1.15	a	kx BUD_GT	15328229	BUD			267

(GT info : GT2 explosion)
 (description : known quarry blast)
 (locality : Sejce-Vác Hungary)

Magnitude Err Nsta Author OrigID
 ML 1.5 0.0 5 BUD 15305602
 ML 1.5 0.0 5 ILOC 15328229

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A270A	0.07	277.6	Pg	08:53:37.970	0.5					T__		2839.1		---	MLv	15330073	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A270A	0.07	277.6	Lg	08:53:40.025	0.7					T__				---		15330074	FDSN	Z3	00	BUD	BUD	HHE	???	_
(Station ML : 2.0 0)																								
A336A	0.41	347.9	Pg	08:53:44.576	0.6					T__		123.4		---	MLv	15330075	FDSN	Z3	00	BUD	BUD	HH2	HHZ	_
A336A	0.41	347.9	Lg	08:53:49.899	-0.6					T__				---		15330076	FDSN	Z3	00	BUD	BUD	HH2	???	_
(Station ML : 1.5 1)																								
PSZ	0.52	80.6	Pg	08:53:46.740	-0.1					T__		44.5		---	MLv	15330077	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.52	80.6	Lg	08:53:55.018	-0.2					T__				---		15330078	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.4 0)																								
HU02A	0.98	72.5	Pg	08:53:56.035	0.3					T__		28.1		---	MLv	15330079	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.98	72.5	Lg	08:54:08.344	-2.9					T__				---		15330080	FDSN	ZJ	00	BUD	BUD	HHN	???	_
(Station ML : 1.5 1)																								
JOS	1.15	54.5	Pg	08:53:58.202	-0.1					T__		24.3		---	MLv	15330081	FDSN	ZJ	--	BUD	BUD	HHZ	HHZ	_
JOS	1.15	54.5	Sn	08:54:14.362	-1.0					T__				---		15330082	FDSN	ZJ	--	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/07/10	06:29:43.06	3.42	1.01	47.3566	18.2923	21.7	7.0	152	0.0S	5	4	155	0.02	1.17	m	sx	BUD	15305635	iLoc			274

(description : suspected quarry blast)
(locality : Magyaralmás Hungary)

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	0.02	287.1	Pg	06:29:44.191	0.1					T__		3092.8		---	MLv	15305637	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.02	287.1	Lg	06:29:45.205	-0.3					T__				---		15305638	FDSN	HU	--	BUD	iLoc	HHN	???	_
A268A	0.26	286.7	Lg	06:29:53.655	-0.0					T__				---		15305639	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A269A	0.29	12.2	Lg	06:29:54.596	-0.1					T__				---		15305640	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MORH	1.17	167.9	Sn	06:30:21.556	-1.4					T__				---		15305641	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/07/10	11:13:15.26	1.10	1.06	48.5513	22.8789	6.4	5.2	43	5.8F	10.7	30	18	140	0.16	2.09	m	ke	BUD	15305731	iLoc			165

Magnitude	Err	Nsta	Author	OrigID
ML	2.3	0.3	11 ILOC	15305731

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MUKU	0.16	232.5	Pg	11:13:18.477	-0.2					T__				---		15305733	FDSN	UA	--	BUD	iLoc	MHZ	???	_
BRIU	0.23	156.1	Pg	11:13:19.282	-0.7					T__				---		15305734	FDSN	UA	--	BUD	iLoc	MHZ	???	_
HOLU	0.33	266.0	Pg	11:13:21.836	0.1					T__				---		15305735	FDSN	UA	--	BUD	iLoc	MHZ	???	_
MEZ	0.42	94.8	Pg	11:13:23.621	0.0					T__				---		15305736	FDSN	UA	--	BUD	iLoc	BHZ	???	_
TRPA	0.48	208.4	Pg	11:13:24.831	0.2					T__		54.5		---	MLv	15305737	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
TRPA	0.48	208.4	Lg	11:13:32.378	-0.3					T__				---		15305738	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.4 0)																								
KOLS	0.55	313.9	Pg	11:13:26.729	0.8					T__				---		15305739	FDSN	SK	--	BUD	iLoc	HHZ	???	_
HU07A	0.86	228.8	Pn	11:13:33.260	0.3					T__		580.7		---	MLv	15305740	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU07A	0.86	228.8	Lg	11:13:46.871	1.6					T__				---		15305741	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 2.7 1)																								
BMR	0.97	154.5	Pg	11:13:34.088	-0.0					T__		596.3		---	MLv	15305742	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BMR	0.97	154.5	Lg	11:13:48.385	-0.1					T__				---		15305743	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 2.8 0)																								
ABAH	1.12	257.4	Pn	11:13:36.203	-0.4					T__		416.9		---	MLv	15305744	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	1.12	257.4	Lg	11:13:52.172	-1.2					T__				---		15305745	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 2.7 0)																								
STHS	1.38	309.4	Pg	11:13:40.067	-0.8					T__		101.1		---	MLv	15305746	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
STHS	1.38	309.4	Sn	11:14:02.001	1.1					T__				---		15305747	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 2.3 1)																								
JOS	1.56	268.8	Pn	11:13:42.302	-0.4					T__		51.9		---	MLv	15305748	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	1.56	268.8	Sn	11:14:04.048	-0.1					T__				---		15305749	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 2.1 1)																								
KECS	1.59	268.4	Pg	11:13:45.281	-0.4					T__		137.4		---	MLv	15305750	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	1.59	268.4	Sn	11:14:04.940	-0.1					T__				---		15305751	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 2.5 1)																								
HU02A	1.63	255.6	Pn	11:13:43.124	-0.7					T__		113.8		---	MLv	15305752	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.63	255.6	Lg	11:14:08.912	-0.9					T__				---		15305753	FDSN	ZJ	00	BUD	iLoc	HHN	???	_


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(Station ML : 2.5 1
DRGR 1.76 183.7 Pg 11:13:52.731 3.4 T__ 61.9 --- MLv 15305754 FDSN RO -- BUD iLoc BHZ BHZ _
DRGR 1.76 183.7 Sn 11:14:08.687 -1.2 T__ --- 15305755 FDSN RO -- BUD iLoc BHE ??? _
(Station ML : 2.3 1
ARCR 1.77 145.3 Lg 11:14:13.203 -0.1 T__ --- 15305756 FDSN RO -- BUD iLoc BHE ??? _
BURAR 1.80 119.4 Pn 11:13:47.605 0.5 T__ --- 15305757 FDSN RO -- BUD iLoc BHZ ??? _
BURAR 1.80 119.4 Sn 11:14:13.628 1.7 T__ --- 15305758 FDSN RO -- BUD iLoc BHN ??? _
NIE 1.90 298.2 Pg 11:13:49.918 -0.7 T__ 14.5 --- MLv 15305759 FDSN PL -- BUD iLoc BHZ BHZ _
NIE 1.90 298.2 Sn 11:14:13.961 0.6 T__ --- 15305760 FDSN PL -- BUD iLoc BHN ??? _
(Station ML : 1.7 0
PSZ 2.09 253.5 Pg 11:13:57.488 1.5 T__ 37.4 --- MLv 15305761 FDSN GE -- BUD iLoc BHZ BHZ _
PSZ 2.09 253.5 Sn 11:14:16.787 -0.6 T__ --- 15305762 FDSN GE -- BUD iLoc BHE ??? _

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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
2019/07/11 06:24:05.16 1.31 0.68 48.1481 21.3339 8.0 6.4 142 0.0S 14 7 113 0.16 1.65 m sx BUD 15305686 iLoc 167
(description : suspected quarry blast)
(locality : Tallya Hungary)

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Magnitude Err Nsta Author OrigID
ML 1.7 0.1 7 ILOC 15305686

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Sta 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 0.16 337.0 Pg 06:24:08.957 0.1 T__ 823.4 --- MLv 15305688 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.16 337.0 Lg 06:24:11.618 -0.6 T__ --- 15305689 FDSN HU -- BUD iLoc HHE ??? _
(Station ML : 1.7 1
HU02A 0.54 267.6 Pg 06:24:16.493 -0.1 T__ 36.6 --- MLv 15305690 FDSN ZJ 00 BUD iLoc HHZ HHZ _
HU02A 0.54 267.6 Lg 06:24:25.066 -0.3 T__ --- 15305691 FDSN ZJ 00 BUD iLoc HHN ??? _
(Station ML : 1.4 0
JOS 0.64 303.5 Pg 06:24:18.081 0.2 T__ 57.3 --- MLv 15305692 FDSN ZJ -- BUD iLoc HHZ HHZ _
JOS 0.64 303.5 Lg 06:24:27.039 -0.5 T__ --- 15305693 FDSN ZJ -- BUD iLoc HHE ??? _
(Station ML : 1.6 1
KECS 0.66 301.0 Pg 06:24:18.779 0.4 T__ 142.2 --- MLv 15305694 FDSN SK -- BUD iLoc EHE EHZ _
KECS 0.66 301.0 Lg 06:24:29.052 0.7 T__ --- 15305695 FDSN SK -- BUD iLoc EHN ??? _
(Station ML : 2.0 0
TRPA 0.81 90.8 Pn 06:24:22.281 -0.3 T__ 26.2 --- MLv 15305696 FDSN HU -- BUD iLoc BHZ BHZ _
TRPA 0.81 90.8 Lg 06:24:34.482 -0.1 T__ --- 15305697 FDSN HU -- BUD iLoc BHN ??? _
(Station ML : 1.4 1
PSZ 0.99 257.2 Pn 06:24:25.799 0.4 T__ 46.6 --- MLv 15305698 FDSN GE -- BUD iLoc BHZ BHZ _
PSZ 0.99 257.2 Lg 06:24:40.752 -0.2 T__ --- 15305699 FDSN GE -- BUD iLoc BHN ??? _
(Station ML : 1.7 1
DRGR 1.65 144.9 Pn 06:24:35.353 0.8 T__ 29.2 --- MLv 15305700 FDSN RO -- BUD iLoc BHZ BHZ _
DRGR 1.65 144.9 Sn 06:24:55.873 -1.6 T__ --- 15305701 FDSN RO -- 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
2019/07/11 08:36:47.12 2.95 1.24 47.2619 18.3133 22.0 6.0 119 0.0S 6 4 129 0.11 1.26 m sx BUD 15305808 iLoc 206

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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	0.11	340.6	Pg	08:36:50.108	0.2					T__		2462.3		---	MLv	15305810	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.11	340.6	Lg	08:36:52.066	-0.6					T__				---		15305811	FDSN	HU	--	BUD	iLoc	HHN	???	_
MPLH	0.54	260.4	Pg	08:36:57.891	-0.3					T__		42.5		---	MLv	15305812	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.54	260.4	Lg	08:37:07.019	0.6					T__				---		15305813	FDSN	HU	--	BUD	iLoc	BHN	???	_
KOVH	1.18	187.2	Sn	08:37:25.747	-1.7					T__				---		15305814	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	1.26	57.9	Sn	08:37:31.019	1.0					T__				---		15305815	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
2019/07/11	09:18:35.74	0.20	0.38	46.8928	22.3068	1.5	1.1	148	1.2F	1.6	25	83	0.29	2.39	a	ke	BUC	15275369	ISC			360
2019/07/11	09:18:35.06	0.49	0.28	46.9920	22.2874				0.0F	0.0	8	157	0.35	1.15	a	kx	KRSZO	15275365	ISC			360
2019/07/11	09:18:34.58	0.85	0.87	46.9411	22.3094	5.7	3.8	172	0.0S	39	18	78	0.31	4.50	m	sx	BUD	15305863	iLoc			92

(description : suspected quarry blast)
(locality : Subpiatra Romania)

Magnitude	Err	Nsta	Author	OrigID
ml	1.9		BUC	15275369
M	1.9		KRSZO	15275365
MLv	1.9		KRSZO	15275365
ML	1.7	0.2	5 ILOC	15305863

Sta	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	0.31	118.3	Pg	09:18:41.628	0.5					T__		323.4		_c_	MLv	15305865	FDSN	RO	--	BUD	iLoc	BH	BHZ	_		
DRGR	0.31	118.3	Lg	09:18:46.310	-0.1					T__				---		15305866	FDSN	RO	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.7 1																										
BORR	0.39	292.8	Lg	09:18:49.655	-0.1					T__				---		15305867	FDSN	IR	--	ISC	iLoc	???	???	_		
BORR	0.39	292.8	Lg	09:18:49.655	-0.1					T__		0.3		---		15305868	FDSN	IR	--	ISC	iLoc	???	???	_		
MESR	0.48	64.2	Lg	09:18:51.710	-0.7					T__				---		15305869	FDSN	IR	--	ISC	iLoc	???	???	_		
MESR	0.48	64.2	Lg	09:18:51.710	-0.7					T__		0.4		---		15305870	FDSN	IR	--	ISC	iLoc	???	???	_		
MARR	0.62	115.2	Pg	09:18:47.162	0.2					T__				---		15305871	FDSN	IR	--	ISC	iLoc	???	???	_		
MARR	0.62	115.2	Pg	09:18:47.162	0.2					T__				---		15305872	FDSN	IR	--	ISC	iLoc	???	???	_		
MARR	0.62	115.2	Lg	09:18:55.659	-1.1					T__				---		15305873	FDSN	IR	--	ISC	iLoc	???	???	_		
CEI	0.75	7.7	Pn	09:18:50.786	-0.4					T__				---		15305874	FDSN	IR	--	ISC	iLoc	???	???	_		
CEI	0.75	7.7	Pn	09:18:50.786	-0.4					T__		0.1		---		15305875	FDSN	IR	--	ISC	iLoc	???	???	_		
SIRR	0.81	213.9	Pg	09:18:50.970	-0.0					T__				---		15305876	FDSN	IR	--	ISC	iLoc	???	???	_		
SIRR	0.81	213.9	Lg	09:19:00.537	-2.7					T__				---		15305877	FDSN	IR	--	ISC	iLoc	???	???	_		
SIRR	0.81	213.6	Pg	09:18:51.195	0.2					T__		42.0		---	MLv	15305878	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
SIRR	0.81	213.6	Lg	09:19:02.391	-1.0					T__				---		15305879	FDSN	RO	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.6 1																										
CJR	0.91	104.0	Pg	09:18:53.104	0.6					T__		333.7		---	MLv	15305880	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
CJR	0.91	104.0	Lg	09:19:05.241	-1.2					T__				---		15305881	FDSN	RO	--	BUD	iLoc	BHN	???	_		
CJR	0.91	104.0	Lg	09:19:05.913	-0.5					T__		0.1		---		15305882	FDSN	IR	--	ISC	iLoc	???	???	_		
CJR	0.91	104.0	Lg	09:19:05.913	-0.5					T__				---		15305883	FDSN	IR	--	ISC	iLoc	???	???	_		
(Station ML : 2.5 0																										
BMR	1.09	47.4	Pg	09:18:55.903	0.0					T__		176.2		---	MLv	15305884	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
(Station ML : 2.4 1																										
DEV	1.14	158.6	Pn	09:18:56.868	0.1					T__		0.1		---		15305885	FDSN	IR	--	ISC	iLoc	???	???	_		
SURR	1.19	186.2	Pg	09:18:58.288	0.7					T__				---		15305886	FDSN	IR	--	ISC	iLoc	???	???	_		
SURR	1.19	186.2	Pg	09:18:58.288	0.7					T__				---		15305887	FDSN	IR	--	ISC	iLoc	???	???	_		
SURR	1.19	186.2	Lg	09:19:13.527	-0.8					T__				---		15305888	FDSN	IR	--	ISC	iLoc	???	???	_		
TRPA	1.20	7.4	Pn	09:18:56.463	-1.1					T__		16.6		---	MLv	15305889	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_		

(Station ML : 1.4 0																
BZS	1.41	200.2	Pn	09:19:01.109	0.6	T__	---	15305890	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.41	200.2	Sn	09:19:20.571	0.1	T__	---	15305891	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.58	168.0	Pg	09:19:04.689	0.1	T__	---	15305892	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.58	168.0	Sn	09:19:25.784	0.6	T__	---	15305893	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.81	145.3	Pn	09:19:07.881	1.1	T__	---	15305894	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.81	145.3	Sn	09:19:31.424	0.3	T__	---	15305895	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	2.06	177.9	Pn	09:19:10.853	1.0	T__	---	15305896	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	2.06	177.9	Pn	09:19:10.853	1.0	T__	---	15305897	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.09	70.1	Pn	09:19:12.589	1.8	T__	---	15305898	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.09	70.1	Sn	09:19:40.352	1.6	T__	---	15305899	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.43	127.3	Pn	09:19:16.191	0.7	T__	---	15305900	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.43	127.3	Pn	09:19:16.191	0.7	T__	---	15305901	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.43	127.3	Sn	09:19:47.075	0.1	T__	---	15305902	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	4.50	303.8	Pg	09:20:02.400	-0.0	T__	---	15305903	FDSN	IR	--	ISC	iLoc	???	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/07/11 09:20:27.88 1.20 0.75 48.5712 20.7704 7.6 4.0 12 0.0S 12 7 186 0.17 1.29 m sx BUD 15305824 iLoc 255
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.2 0.0 6 ILOC 15305824

Sta	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	244.0	Pg	09:20:31.572	0.0					T__		295.5		---	MLv	15305826	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.17	244.0	Lg	09:20:35.243	0.8					T__				---		15305827	FDSN	ZJ	--	BUD	iLoc	HHN	???	_
(Station ML : 1.2 1																								
KECS	0.21	245.2	Lg	09:20:36.384	0.7					T__				---		15305828	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.42	131.2	Pg	09:20:37.051	0.6					T__		59.4		---	MLv	15305829	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.42	131.2	Lg	09:20:42.374	-1.3					T__				---		15305830	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.2 1																								
HU02A	0.48	200.1	Pg	09:20:37.715	-0.3					T__		39.3		---	MLv	15305831	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.48	200.1	Lg	09:20:45.015	-0.7					T__				---		15305832	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.2 1																								
PSZ	0.88	222.2	Pn	09:20:46.654	0.1					T__		37.9		---	MLv	15305833	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.88	222.2	Lg	09:20:59.151	-0.4					T__				---		15305834	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.6 0																								
LANS	1.04	304.5	Pg	09:20:47.814	-0.5					T__		30.5		---	MLv	15305835	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 1.6 1																								
VYHS	1.29	267.3	Pn	09:20:52.799	0.5					T__		5.0		---	MLv	15305836	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.29	267.3	Sn	09:21:10.864	-0.7					T__				---		15305837	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
 2019/07/11 22:05:01.40 0.20 46.0100 16.2160 8.3A a ke LJU 15275439 ISC 360
 2019/07/11 22:05:01.98 0.89 0.42 46.0154 16.1675 6.9 3.9 138 11.8F 1.4 17 12 127 0.18 1.73 m ke BUD 15305930 iLoc 145

Magnitude Err Nsta Author OrigID

ML 1.0 LJU 15275439
ML 1.3 0.2 6 ILOC 15305930

Sta	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	0.18	232.2	Pg	22:05:05.711	-0.4					T__		130.5		_c_	MLv	15305932	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_		
PTJ	0.18	232.2	Lg	22:05:08.623	-0.5					T__				---	---	15305933	FDSN	CR	--	BUD	iLoc	BHE	???	_		
(Station ML : 0.9 0)																										
ZAG	0.23	213.8	Pg	22:05:07.619	0.6					T__		340.0		---	MLv	15305934	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_		
ZAG	0.23	213.8	Lg	22:05:10.933	0.4					T__				---	---	15305935	FDSN	CR	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.5 1)																										
GOLS	0.38	269.5	Pg	22:05:09.650	-0.1					T__				---	---	15305936	FDSN	IR	--	ISC	iLoc	???	???	_		
GOLS	0.38	269.5	IAML	22:05:19.040	-99.0					---		5.3	0.13	---	---	15305937	FDSN	IR	--	ISC	iLoc	???	???	_		
GCIS	0.40	248.7	Pg	22:05:10.140	-0.0					T__				---	---	15305938	FDSN	IR	--	ISC	iLoc	???	???	_		
GCIS	0.40	248.7	IAML	22:05:17.500	-99.0					---		2.4	0.07	---	---	15305939	FDSN	IR	--	ISC	iLoc	???	???	_		
KOGS	0.44	7.5	Lg	22:05:16.656	-0.1					T__				---	---	15305940	FDSN	SL	--	BUD	iLoc	BHE	???	_		
CESS	0.49	265.4	Pg	22:05:12.190	0.5					T__				---	---	15305941	FDSN	IR	--	ISC	iLoc	???	???	_		
CESS	0.49	265.4	IAML	22:05:21.670	-99.0					---		3.3	0.10	---	---	15305942	FDSN	IR	--	ISC	iLoc	???	???	_		
DOBS	0.50	285.7	Pg	22:05:12.010	0.1					T__				---	---	15305943	FDSN	IR	--	ISC	iLoc	???	???	_		
DOBS	0.50	285.7	IAML	22:05:21.350	-99.0					---		5.9	0.11	---	---	15305944	FDSN	IR	--	ISC	iLoc	???	???	_		
CRES	0.53	249.3	Pg	22:05:12.364	0.0					T__		110.9		---	MLv	15305945	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_		
CRES	0.53	249.3	Lg	22:05:19.794	-0.6					T__				---	---	15305946	FDSN	SL	--	BUD	iLoc	BHE	???	_		
CRES	0.53	249.3	IAML	22:05:22.340	-99.0					---		3.2	0.13	---	---	15305947	FDSN	IR	--	ISC	iLoc	???	???	_		
(Station ML : 1.8 0)																										
BEHE	0.62	42.6	Pn	22:05:15.702	-0.2					T__		19.6		---	MLv	15305948	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_		
BEHE	0.62	42.6	Lg	22:05:23.083	0.3					T__				---	---	15305949	FDSN	HU	--	BUD	iLoc	BHE	???	_		
(Station ML : 1.1 1)																										
KOVH	1.35	86.2	Pg	22:05:27.401	-0.5					T__		20.3		---	MLv	15305950	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_		
KOVH	1.35	86.2	Lg	22:05:45.125	0.0					T__				---	---	15305951	FDSN	HU	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.6 1)																										
A011B	1.40	354.2	Lg	22:05:46.985	0.6					T__				---	---	15305952	FDSN	Z3	00	BUD	iLoc	HH3	???	_		
MORH	1.73	82.5	Pg	22:05:34.933	0.1					T__		5.6		---	MLv	15305953	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/07/12	07:12:00.07	2.86	1.08	47.3408	18.4321	18.7	8.4	133	0.0S		7	6	113	0.12	1.19	m	sx BUD	15305984	iLoc			221
(description : suspected quarry blast)																						
(locality : Gánt Hungary)																						

Magnitude Err Nsta Author OrigID

Sta	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	281.0	Pg	07:12:03.053	-0.0					T__		1890.6		---	MLv	15305986	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.12	281.0	Lg	07:12:04.761	-1.2					T__				---	---	15305987	FDSN	HU	--	BUD	iLoc	HHZ	???	_
A269A	0.30	353.6	Lg	07:12:12.054	-0.1					T__				---	---	15305988	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A268A	0.36	284.9	Lg	07:12:15.310	1.4					T__				---	---	15305989	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MORH	1.13	172.5	Sn	07:12:40.159	1.0					T__				---	---	15305990	FDSN	HU	--	BUD	iLoc	BHE	???	_
PSZ	1.15	59.2	Sn	07:12:40.610	0.3					T__				---	---	15305991	FDSN	GE	--	BUD	iLoc	BHE	???	_
VYHS	1.19	13.1	Sn	07:12:40.761	-0.5					T__				---	---	15305992	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
2019/07/12	07:45:12.41	1.11	0.93	47.8879	19.4393	8.0	3.2	13	0.0S	13	7	177	0.11	0.95	m	kx	BUD	15305997	iLoc			235
2019/07/12	07:45:12.78	1.58	2.98	47.8900	19.4363	4.6	1.9	81	0.0A	6	241	0.31	0.73	a	ke	KRSZO	15275465	ISC				360
2019/07/12	07:45:12.11f		0.91	47.8920	19.4049f				0.0S	13	174	0.13	0.97	a	kx	BUD_GT	15328243	BUD				236

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.1	5 BUD	15305997
ML	1.6	0.1	5 ILOC	15328243

Sta	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	07:45:16.631	1.3					T__		1253.8		---	MLv	15330083	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU03A	0.13	84.8	Lg	07:45:17.365	-0.5					T__				---		15330084	FDSN	ZJ	00	BUD	BUD	HHZ	???	_
(Station ML : 1.8 0)																								
A270A	0.26	259.9	Lg	07:45:22.905	0.3					T__				---		15330085	FDSN	Z3	00	BUD	BUD	HHE	???	_
PSZ	0.33	85.2	Pg	07:45:19.326	-0.3					T__		126.4		---	MLv	15330086	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.33	85.2	Lg	07:45:24.698	-0.6					T__				---		15330087	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.3 1)																								
A336A	0.44	321.6	Lg	07:45:27.852	-0.3					T__				---		15330088	FDSN	Z3	00	BUD	BUD	HH2	???	_
VYHS	0.71	327.9	Pn	07:45:28.112	-0.4					T__		14.5		---	MLv	15330090	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
VYHS	0.71	327.9	Lg	07:45:38.020	0.8					T__				---		15330091	FDSN	SK	--	BUD	BUD	HHN	???	_
VYHS	0.71	327.9	Lg	07:45:38.154	0.9					T__				---		15330089	FDSN	IR	--	ISC	BUD	???	???	_
(Station ML : 1.1 0)																								
HU02A	0.79	72.6	Pg	07:45:27.115	-1.4					T__		48.5		---	MLv	15330092	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.79	72.6	Lg	07:45:39.105	-1.7					T__				---		15330093	FDSN	ZJ	00	BUD	BUD	HHE	???	_
(Station ML : 1.6 1)																								
JOS	0.97	51.0	Pg	07:45:31.599	0.2					T__		34.1		---	MLv	15330094	FDSN	ZJ	--	BUD	BUD	HHZ	HHZ	_
JOS	0.97	51.0	Lg	07:45:45.208	-1.3					T__				---		15330095	FDSN	ZJ	--	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/07/12	11:08:24.10	2.83	1.49	48.7852	21.1136	19.4	16.4	134	0.0S	8	5	310	0.48	1.54	m	sx	BUD	15306033	iLoc				336

(description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	1.0	3 ILOC	15306033

Sta	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	0.48	233.0	Pn	11:08:37.981	-0.2					T__		235.7		---	MLv	15306035	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.48	233.0	Lg	11:08:41.276	0.3					T__				---		15306036	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 2.0 1)																								
KECS	0.51	234.3	Pn	11:08:38.652	-0.0					T__		1163.4		---	MLv	15306037	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.51	234.3	Lg	11:08:42.195	-0.0					T__				---		15306038	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 2.8 1)																								
HU02A	0.77	210.8	Pn	11:08:44.201	3.0					T__		25.7		---	MLv	15306039	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.77	210.8	Lg	11:08:51.620	-0.3					T__				---		15306040	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.3 1)																								
PSZ	1.19	223.6	Sn	11:09:04.196	-1.3					T__				---		15306041	FDSN	GE	--	BUD	iLoc	BHN	???	_
VYHS	1.54	259.9	Lg	11:09:15.945	0.0					T__				---		15306042	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
2019/07/13	07:27:37.75	2.08	1.69	46.7038	21.1319	11.3	7.7	34	1.7F	8.6	38	18	79	0.21	2.19	m	ke BUD	15306083	iLoc			86

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.2	11 ILOC	15306083

Sta	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	0.21	5.2	Pg	07:27:41.375	-1.0					---		892.7			MLv	15306085	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_		
HU24A	0.21	5.2	Lg	07:27:46.484	0.4					T__						15306086	FDSN	ZJ	00	BUD	iLoc	HHE	???	_		
(Station ML : 1.8 1																										
SIRR	0.57	139.9	Pn	07:27:49.244	-3.6					---						15306087	FDSN	IR	--	ISC	iLoc	???	???	_		
SIRR	0.57	139.9	Lg	07:27:55.995	-1.9					T__						15306088	FDSN	IR	--	ISC	iLoc	???	???	_		
SIRR	0.57	139.9	Pn	07:27:49.521	-3.4					---	82.2				MLv	15306089	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
SIRR	0.57	139.9	Lg	07:27:58.199	0.1					T__						15306090	FDSN	RO	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.7 0																										
BSZH	0.84	315.5	Sn	07:28:06.356	-2.2					T__						15306091	FDSN	HU	--	BUD	iLoc	HHE	???	_		
HU05A	0.85	0.2	Sn	07:28:05.645	-3.1					T__						15306092	FDSN	ZJ	00	BUD	iLoc	HHE	???	_		
HU21A	1.04	249.6	Sn	07:28:11.851	-1.4					T__						15306093	FDSN	ZJ	00	BUD	iLoc	HHN	???	_		
DRGR	1.09	84.8	Pn	07:27:58.547	-0.3					T__	179.5				MLv	15306094	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
DRGR	1.09	84.8	Sn	07:28:13.353	-2.0					T__						15306096	FDSN	IR	--	ISC	iLoc	???	???	_		
DRGR	1.09	84.8	Sn	07:28:13.744	-1.6					T__						15306095	FDSN	RO	--	BUD	iLoc	BHN	???	_		
(Station ML : 2.4 0																										
HU23A	1.11	327.6	Sn	07:28:14.445	-0.6					T__						15306097	FDSN	ZJ	00	BUD	iLoc	HHN	???	_		
BZS	1.14	162.6	Lg	07:28:16.580	0.9					T__						15306098	FDSN	IR	--	ISC	iLoc	???	???	_		
BZS	1.14	161.8	Pn	07:27:59.702	0.2					T__	40.1				MLv	15306099	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
BZS	1.14	161.8	Sn	07:28:14.590	-1.5					T__						15306100	FDSN	RO	--	BUD	iLoc	BHE	???	_		
(Station ML : 1.7 1																										
SURR	1.17	143.7	Pn	07:28:00.088	0.2					T__						15306101	FDSN	IR	--	ISC	iLoc	???	???	_		
SURR	1.17	143.7	Sn	07:28:16.450	-0.4					T__						15306102	FDSN	IR	--	ISC	iLoc	???	???	_		
MARR	1.37	90.4	Pn	07:28:02.901	-0.0					T__						15306103	FDSN	IR	--	ISC	iLoc	???	???	_		
MARR	1.37	90.4	Sn	07:28:21.600	-0.7					T__						15306104	FDSN	IR	--	ISC	iLoc	???	???	_		
HU02A	1.48	344.0	Pn	07:28:04.040	-0.0					T__	37.8				MLv	15306105	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_		
HU02A	1.48	344.0	Sn	07:28:24.006	-0.2					T__						15306106	FDSN	ZJ	00	BUD	iLoc	HHE	???	_		
(Station ML : 1.9 1																										
PSZ	1.48	325.7	Pn	07:28:06.505	2.3					T__	57.7				MLv	15306107	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	1.48	325.7	Sn	07:28:23.682	-0.8					T__						15306108	FDSN	GE	--	BUD	iLoc	BHN	???	_		
(Station ML : 2.1 1																										
ABAH	1.59	2.6	Pn	07:28:05.939	0.4					T__	48.5				MLv	15306109	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
ABAH	1.59	2.6	Sn	07:28:27.514	0.7					T__						15306110	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Station ML : 2.1 1																										
CJR	1.70	88.8	Pn	07:28:08.932	1.4					T__						15306111	FDSN	IR	--	ISC	iLoc	???	???	_		
CJR	1.70	88.8	Sn	07:28:31.047	1.0					T__						15306112	FDSN	IR	--	ISC	iLoc	???	???	_		
CJR	1.70	88.8	Lg	07:28:32.279	-1.3					T__						15306113	FDSN	RO	--	BUD	iLoc	BHE	???	_		
GZR	1.74	138.3	Pn	07:28:08.764	0.5					T__	44.1				MLv	15306114	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
GZR	1.74	138.3	Pn	07:28:08.944	0.7					T__						15306115	FDSN	IR	--	ISC	iLoc	???	???	_		
GZR	1.74	138.3	Lg	07:28:32.868	-1.4					T__						15306116	FDSN	IR	--	ISC	iLoc	???	???	_		
GZR	1.74	138.3	Lg	07:28:34.182	-0.1					T__						15306117	FDSN	RO	--	BUD	iLoc	BHE	???	_		
(Station ML : 2.1 1																										
MORH	1.79	255.1	Pn	07:28:09.664	1.6					T__	11.5				MLv	15306118	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_		
MORH	1.79	255.1	Sn	07:28:32.777	1.4					T__						15306119	FDSN	HU	--	BUD	iLoc	BHE	???	_		

MORH	1.79	255.0	Sn	07:28:33.100	1.7	T__				0.0	---		15306120	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.6 0																						
FRGS	1.81	210.4	Sn	07:28:34.786	1.9	T__							15306121	FDSN	SJ	--	BUD	iLoc	HHN	???	_	
KECS	1.83	346.4	Sn	07:28:35.140	2.7	T__							15306122	FDSN	SK	--	BUD	iLoc	EHE	???	_	
JOS	1.84	347.6	Pn	07:28:10.491	1.5	T__				24.4	---	MLv	15306123	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_	
JOS	1.84	347.6	Pg	07:28:13.204	-1.1	---							15306124	FDSN	ZJ	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.9 1																						
KOVH	2.19	254.7	Pn	07:28:17.518	3.8	T__				31.6	---	MLv	15306125	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
KOVH	2.19	254.7	Lg	07:28:46.163	-4.1	T__							15306126	FDSN	HU	--	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
2019/07/13	12:37:39.86	0.91	1.18	47.4734	18.8593	6.4	3.5	125	9.8F	7.2	12	9	104	0.11	1.48	m	ke BUD	15306056	iLoc			125

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.2	3 ILOC	15306056

Sta	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	84.7	Pg	12:37:43.256	0.3					T__		182.2		---	MLv	15306058	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
BUD	0.11	84.7	Lg	12:37:45.394	-0.2					T__				---		15306059	FDSN	HU	--	BUD	iLoc	BHN	???	_	
(Station ML : 0.9 1																									
A271A	0.32	183.1	Pg	12:37:46.882	0.2					T__		223.4		---	MLv	15306060	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A271A	0.32	183.1	Lg	12:37:51.699	-0.5					T__				---		15306061	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
(Station ML : 1.5 1																									
A270A	0.39	16.1	Lg	12:37:54.709	0.3					T__				---		15306062	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
CSKK	0.42	255.1	Lg	12:37:54.656	-1.0					T__				---		15306063	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	0.83	57.1	Pn	12:37:56.844	0.4					T__		29.1		---	MLv	15306064	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	0.83	57.1	Lg	12:38:08.549	-1.0					T__				---		15306065	FDSN	GE	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.4 1																									
MPLH	0.95	251.8	Lg	12:38:12.722	0.6					T__				---		15306066	FDSN	HU	--	BUD	iLoc	BHN	???	_	
VYHS	1.02	359.1	Lg	12:38:14.300	-0.7					T__				---		15306067	FDSN	SK	--	BUD	iLoc	HHN	???	_	
MORH	1.27	186.8	Sn	12:38:20.407	0.8					T__				---		15306068	FDSN	HU	--	BUD	iLoc	BHN	???	_	
KOVH	1.48	200.9	Sn	12:38:27.582	2.6					T__				---		15306069	FDSN	HU	--	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
2019/07/13	12:41:11.50		0.99	47.4900	18.7100				13.0A				5	1.64	4.79	a	ke CSEM	15275496	ISC			360
2019/07/13	12:41:15.00			47.5900	18.8600				10.0A		13					a	ke PRU	15275499	ISC			360
2019/07/13	12:41:12.48	0.68	1.47	47.4588	18.8640	2.9	2.1	148	6.4F	4.7	129	61	22	0.11	5.27	m	ke BUD	15306204	iLoc			31

Magnitude	Err	Nsta	Author	OrigID
m1	2.4		CSEM	15275496
ML	2.5	0.3	36 ILOC	15306204

Sta	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	77.1	Pg	12:41:15.400	0.1					T__		3.8		---		15306206	FDSN	IR	--	ISC	iLoc	???	???	_	
BUD	0.11	77.1	Pg	12:41:15.850	0.6					T__		3796.4		_d_	MLv	15306207	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
BUD	0.11	77.1	Lg	12:41:17.815	0.2					T__				---		15306208	FDSN	HU	--	BUD	iLoc	BHN	???	_	
(Station ML : 2.2 1																									
A271A	0.30	183.8	Pg	12:41:19.069	0.1					T__		3297.3		---	MLv	15306209	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	

A271A	0.30	183.8	Lg	12:41:24.063	-0.0	T__			15306210	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
(Station ML	:	2.7	1															
A269A	0.37	299.0	Pg	12:41:20.653	0.5	T__	1007.7	___	MLv	15306211	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A269A	0.37	299.0	Lg	12:41:26.268	-0.1	T__		---		15306212	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML	:	2.3	1															
A270A	0.40	15.1	Pg	12:41:21.440	0.6	T__	1335.8	---	MLv	15306213	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A270A	0.40	15.1	Lg	12:41:27.640	0.3	T__		---		15306214	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML	:	2.5	1															
CSKK	0.42	257.1	Pg	12:41:20.851	-0.2	T__	3355.9	---	MLv	15306215	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.42	257.1	Lg	12:41:27.015	-1.1	T__		---		15306216	FDSN	HU	--	BUD	iLoc	HHN	???	_
CSKK	0.42	257.1	Pg	12:41:21.300	0.2	T__	33.8	---		15306217	FDSN	IR	--	ISC	iLoc	???	???	_
CSKK	0.42	257.1	Pn	12:41:26.300	1.3	T__	33.8	---		15306218	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML	:	3.0	0															
SR0	0.51	313.8	Pn	12:41:24.271	-2.0	T__	1949.0	---	MLv	15306219	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
SR0	0.51	313.8	Pn	12:41:29.000	2.7	T__	1.9	---		15306220	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML	:	3.0	0															
A267A	0.58	207.1	Pg	12:41:23.886	-0.1	T__	795.3	---	MLv	15306221	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A267A	0.58	207.1	Lg	12:41:32.112	-1.0	T__		---		15306222	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML	:	2.7	1															
A268A	0.64	267.9	Pn	12:41:25.977	-0.7	T__	386.3	---	MLv	15306223	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A268A	0.64	267.9	Lg	12:41:34.523	-0.7	T__		---		15306224	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML	:	2.4	1															
A338A	0.66	328.4	Pn	12:41:26.706	-0.2	T__	1440.6	---	MLv	15306225	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A338A	0.66	328.4	Sn	12:41:36.430	-2.0	T__		---		15306226	FDSN	Z3	00	BUD	iLoc	HH2	???	_
(Station ML	:	3.0	0															
HU03A	0.67	47.9	Pg	12:41:26.288	-0.0	T__	1878.1	---	MLv	15306227	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
(Station ML	:	3.1	0															
A272A	0.72	174.4	Lg	12:41:36.321	-1.9	T__		---		15306228	FDSN	Z3	00	BUD	iLoc	HHN	???	_
HU04A	0.77	146.9	Pn	12:41:28.089	-0.2	T__	729.7	---	MLv	15306229	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU04A	0.77	146.9	Sn	12:41:38.452	-2.4	T__		---		15306230	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML	:	2.8	1															
A336A	0.78	6.6	Pn	12:41:28.453	-0.2	T__	988.8	---	MLv	15306231	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML	:	2.9	1															
PSZ	0.83	56.2	Pn	12:41:29.054	-0.5	T__	315.6	---	MLv	15306232	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.83	56.2	Lg	12:41:41.549	-1.0	T__		---		15306233	FDSN	GE	--	BUD	iLoc	BHN	???	_
PSZ	0.83	56.2	Pn	12:41:29.552	0.0	T__		---		15306234	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.83	56.2	Pn	12:41:29.600	0.0	T__	0.3	---		15306235	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.83	56.2	Lg	12:41:41.655	-0.9	T__		---		15306236	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML	:	2.5	1															
TIH	0.87	230.2	Pg	12:41:46.700	17.0	---		---		15306237	FDSN	IR	--	ISC	iLoc	???	???	_
TIH	0.87	230.3	Pn	12:41:29.791	0.0	T__	2518.1	---	MLv	15306238	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Station ML	:	3.4	0															
MPLH	0.95	252.7	Pg	12:41:31.195	-0.0	T__	218.9	_d	MLv	15306239	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.95	252.7	Pg	12:41:33.300	2.0	T__	0.2	---		15306240	FDSN	IR	--	ISC	iLoc	???	???	_
MPLH	0.95	252.7	Pg	12:41:33.300	2.0	T__		---		15306241	FDSN	IR	--	ISC	iLoc	???	???	_
MPLH	0.95	252.7	Sn	12:41:43.694	-1.5	T__		---		15306242	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML	:	2.4	1															
HU23A	0.96	78.6	Pg	12:41:32.176	-0.2	T__	663.1	---	MLv	15306243	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.96	78.6	Lg	12:41:46.072	-0.0	T__		---		15306244	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML	:	2.9	1															
BSZH	0.97	99.0	Lg	12:41:47.042	0.4	T__		---		15306245	FDSN	HU	--	BUD	iLoc	HHN	???	_
BSZH	0.97	99.0	Lg	12:41:47.155	0.5	T__		---		15306246	FDSN	IR	--	ISC	iLoc	???	???	_
A266A	1.02	203.9	Pn	12:41:31.948	0.1	T__	736.1	---	MLv	15306247	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_

A266A	1.02	203.9	Sn	12:41:46.889	-0.2	T__	---	15306248	FDSN	Z3	00	BUD	iLoc	HHN	???	_		
(Station ML : 2.9 1																		
VYHS	1.04	359.0	Pg	12:41:33.191	-0.1	T__	40.6	---	MLv	15306251	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.04	359.0	Pg	12:41:34.200	0.9	T__	0.0	---	---	15306249	FDSN	IR	--	ISC	iLoc	???	???	_
VYHS	1.04	359.0	Pg	12:41:34.200	0.9	T__	---	---	---	15306250	FDSN	IR	--	ISC	iLoc	???	???	_
VYHS	1.04	359.0	Sn	12:41:46.601	-1.5	T__	---	---	---	15306252	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.7 0																		
EGYH	1.04	268.3	Pg	12:41:38.100	5.0	---	---	---	---	15306253	FDSN	IR	--	ISC	iLoc	???	???	_
EGYH	1.04	268.2	Pg	12:41:34.026	1.0	T__	563.7	---	MLv	15306254	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
EGYH	1.04	268.2	Lg	12:41:48.192	0.5	T__	---	---	---	15306255	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 2.8 1																		
A335A	1.05	340.4	Pg	12:41:33.543	0.0	T__	536.8	---	MLv	15306256	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A335A	1.05	340.4	Sn	12:41:47.092	-1.3	T__	---	---	---	15306257	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 2.8 1																		
MORH	1.25	187.0	Pn	12:41:34.463	-0.4	T__	85.6	---	MLv	15306258	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.25	187.0	Sn	12:41:52.676	0.1	T__	---	---	---	15306259	FDSN	HU	--	BUD	iLoc	BHN	???	_
MORH	1.25	187.0	Pn	12:41:34.712	-0.2	T__	---	---	---	15306260	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.25	187.0	Pg	12:41:37.900	0.9	T__	---	---	---	15306261	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.25	187.0	Sn	12:41:52.949	0.3	T__	---	---	---	15306262	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.1 0																		
A265A	1.27	215.7	Pn	12:41:35.766	0.5	T__	803.1	---	MLv	15306263	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A265A	1.27	215.7	Pg	12:41:37.675	0.4	T__	---	---	---	15306264	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A265A	1.27	215.7	Lg	12:41:54.830	-0.2	T__	---	---	---	15306265	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 3.1 0																		
HU21A	1.27	151.9	Pn	12:41:35.945	0.8	T__	359.9	---	MLv	15306266	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU21A	1.27	151.9	Pg	12:41:38.045	0.3	T__	---	---	---	15306267	FDSN	ZJ	00	BUD	iLoc	HHZ	???	_
HU21A	1.27	151.9	Sn	12:41:55.069	2.1	T__	---	---	---	15306268	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 2.8 1																		
HU02A	1.30	58.7	Pn	12:41:37.251	1.3	T__	83.8	---	MLv	15306269	FDSN	ZJ	00	BUD	iLoc	HHN	HHZ	_
HU02A	1.30	58.7	Sn	12:41:55.037	0.8	T__	---	---	---	15306270	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 2.1 0																		
A263A	1.34	232.9	Pn	12:41:37.593	1.3	T__	522.1	---	MLv	15306271	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A263A	1.34	232.9	Sn	12:41:54.626	-0.1	T__	---	---	---	15306272	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 3.0 0																		
A332A	1.37	348.9	Pg	12:41:39.789	0.0	T__	146.6	---	MLv	15306273	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A332A	1.37	348.9	Sn	12:41:56.698	0.2	T__	---	---	---	15306274	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 2.4 1																		
MODS	1.41	311.2	Pn	12:41:36.771	-0.9	T__	---	---	---	15306275	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOVH	1.47	201.2	Pn	12:41:37.457	-0.6	T__	58.9	---	MLv	15306276	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	1.47	201.2	Pg	12:41:42.100	1.0	T__	---	---	---	15306277	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	1.47	201.2	Sn	12:41:59.357	1.4	T__	---	---	---	15306278	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 2.1 0																		
A260A	1.48	264.0	Lg	12:42:02.277	0.7	T__	---	---	---	15306279	FDSN	Z3	00	BUD	iLoc	HHN	???	_
JOS	1.53	46.7	Pn	12:41:40.187	1.2	T__	56.6	---	MLv	15306280	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	1.53	46.7	Pg	12:41:42.173	-0.6	T__	---	---	---	15306281	FDSN	ZJ	--	BUD	iLoc	HHZ	???	_
JOS	1.53	46.7	Sn	12:42:00.365	0.9	T__	---	---	---	15306282	FDSN	ZJ	--	BUD	iLoc	HHN	???	_
(Station ML : 2.1 0																		
SOP	1.58	279.0	Pn	12:41:40.333	0.5	T__	71.0	---	MLv	15306283	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 2.2 1																		
JAVC	1.61	330.8	Pn	12:41:41.823	1.2	T__	---	---	---	15306284	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	1.61	330.8	Pn	12:41:40.100	-0.6	T__	---	---	---	15306285	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	1.61	330.8	Sn	12:41:59.700	-3.3	T__	---	---	---	15306286	FDSN	IR	--	ISC	iLoc	???	???	_
A264A	1.69	220.3	Lg	12:42:08.162	0.1	T__	---	---	---	15306287	FDSN	Z3	00	BUD	iLoc	HHE	???	_

RONA	1.75	278.8	Pn	12:41:42.826	0.4	T__	6.2	0.12	---	15306288	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.75	278.8	Sn	12:42:03.827	-1.4	T__	3.6	0.20	---	15306289	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	1.81	61.5	Pn	12:41:45.042	2.3	T__	58.6		--- MLv	15306290	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Station ML	:	2.3	1															
BORR	2.02	99.4	Pn	12:41:46.432	0.8	T__			---	15306291	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	2.06	241.5	Pn	12:41:47.256	0.9	T__	206.6		--- MLv	15306292	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
(Station ML	:	3.0	1															
CONA	2.08	284.1	Pn	12:41:47.241	0.1	T__	45.6		--- MLv	15306293	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
CONA	2.08	284.1	Pg	12:41:55.400	2.6	T__			---	15306294	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	2.08	284.1	Sn	12:42:12.644	-0.9	T__	2.7	0.40	---	15306295	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML	:	2.3	1															
NIE	2.18	25.5	Pn	12:41:51.100	2.6	T__	0.0		---	15306296	FDSN	IR	--	ISC	iLoc	???	???	_
NIE	2.18	25.5	Pg	12:41:56.800	1.9	T__			---	15306297	FDSN	IR	--	ISC	iLoc	???	???	_
NIE	2.19	25.7	Pg	12:41:54.053	-0.9	T__	10.0		--- MLv	15306298	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Station ML	:	1.7	0															
AO21A	2.19	252.4	Sn	12:42:15.503	0.5	T__			---	15306299	FDSN	Z3	00	BUD	iLoc	HHE	???	_
AO12A	2.23	274.9	Pn	12:41:49.897	0.7	T__	53.2		--- MLv	15306300	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
AO12A	2.23	274.9	Sn	12:42:16.064	-0.9	T__			---	15306301	FDSN	Z3	00	BUD	iLoc	HH3	???	_
(Station ML	:	2.5	1															
SIRR	2.26	120.8	Pn	12:41:49.745	0.6	T__			---	15306302	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	2.26	120.8	Pn	12:41:49.121	-0.1	T__	22.0		--- MLv	15306303	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Station ML	:	2.1	0															
ARSA	2.28	266.0	Pn	12:41:50.874	1.2	T__	37.0		--- MLv	15306304	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
ARSA	2.28	266.0	Pn	12:41:48.781	-0.9	T__	0.4	0.12	---	15306305	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	2.28	266.0	Sn	12:42:17.710	0.2	T__	2.2	0.36	---	15306306	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML	:	2.3	1															
KRUC	2.30	315.1	Sn	12:42:17.500	-1.7	T__			---	15306307	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	2.30	315.1	Pn	12:41:50.562	0.6	T__			---	15306308	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	2.39	321.6	Pn	12:41:49.528	-1.7	T__			---	15306309	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	2.39	321.6	Sn	12:42:19.400	-2.3	T__			---	15306310	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	2.39	321.6	Pn	12:41:52.433	1.2	T__			---	15306311	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	2.39	321.6	Sn	12:42:21.688	-0.0	T__			---	15306312	FDSN	CZ	--	BUD	iLoc	BHE	???	_
MORC	2.48	339.8	Sn	12:42:22.623	-1.8	T__			---	15306313	FDSN	CZ	--	BUD	iLoc	BHE	???	_
MORC	2.48	339.8	Pn	12:41:50.633	-2.0	T__			---	15306314	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	2.48	339.8	Pg	12:41:53.100	-6.9	T__			---	15306315	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	2.48	339.8	Sn	12:42:21.300	-3.1	T__			---	15306316	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	2.48	339.8	Sn	12:42:21.348	-3.1	T__			---	15306317	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	2.65	133.1	Pn	12:41:54.878	0.3	T__			---	15306318	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	2.71	102.8	Pn	12:41:55.997	0.4	T__			---	15306319	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	2.73	254.8	Pn	12:41:57.382	1.2	T__	0.9	0.32	---	15306320	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	2.73	254.8	Sn	12:42:27.697	-1.2	T__	0.9	0.28	---	15306321	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	2.82	126.0	Pn	12:41:57.523	0.5	T__			---	15306322	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	3.13	278.9	Pn	12:42:03.506	1.7	T__	0.3	0.12	---	15306323	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	3.13	278.9	Sn	12:42:35.809	-3.6	T__	1.2	0.40	---	15306324	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	3.20	118.1	Pn	12:42:03.725	1.3	T__			---	15306325	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	3.33	142.5	Pn	12:42:04.733	0.4	T__			---	15306326	FDSN	IR	--	ISC	iLoc	???	???	_
CKRC	3.34	295.7	Pn	12:42:05.200	0.7	T__			---	15306327	FDSN	IR	--	ISC	iLoc	???	???	_
DPC	3.34	330.9	Pn	12:42:06.200	1.4	T__			---	15306328	FDSN	IR	--	ISC	iLoc	???	???	_
BIOA	3.55	275.7	Pn	12:42:06.339	-1.4	T__	0.4	0.10	---	15306329	FDSN	IR	--	ISC	iLoc	???	???	_
BIOA	3.55	275.7	Sn	12:42:44.897	-4.5	T__	1.9	0.40	---	15306330	FDSN	IR	--	ISC	iLoc	???	???	_
CHVC	3.64	330.5	Pn	12:42:10.100	1.2	T__			---	15306331	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	3.91	297.3	Pn	12:42:13.000	0.7	T__			---	15306332	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	3.91	297.3	Sn	12:42:58.500	0.4	T__			---	15306333	FDSN	IR	--	ISC	iLoc	???	???	_

LOT	3.94	118.9	Pn	12:42:07.900	-5.5	---	---	15306334	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	4.31	85.6	Pn	12:42:17.727	-0.8	T__	---	15306335	FDSN	IR	--	ISC	iLoc	???	???	_
WTTA	4.92	270.4	Pn	12:42:22.804	-4.2	T__	0.5 0.18	15306336	FDSN	IR	--	ISC	iLoc	???	???	_
MLR	5.27	109.3	Pn	12:42:31.260	-1.0	T__	---	15306337	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/07/13	12:42:31.25	0.92	0.83	47.4625	18.8631	4.8	3.3	116	8.2F	8.3	12	8	104	0.11	1.47	m	ke BUD	15306173	iLoc			127

Magnitude	Err	Nsta	Author	OrigID
ML	1.2	0.4	4 ILOC	15306173

Sta	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	79.0	Pg	12:42:34.358	0.1					T__		186.6		---	MLv	15306175	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BUD	0.11	79.0	Lg	12:42:36.419	-0.2					T__				---		15306176	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 0.9 1																								
A271A	0.31	183.7	Pg	12:42:38.438	0.6					T__		276.1		---	MLv	15306177	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A271A	0.31	183.7	Lg	12:42:42.572	-0.5					T__				---		15306178	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 1.6 1																								
A269A	0.37	298.6	Lg	12:42:44.772	-0.4					T__				---		15306179	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A270A	0.40	15.3	Pg	12:42:40.102	0.5					T__		52.4		---	MLv	15306180	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A270A	0.40	15.3	Lg	12:42:46.133	0.1					T__				---		15306181	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 1.1 1																								
CSKK	0.42	256.6	Lg	12:42:45.783	-1.2					T__				---		15306182	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	0.83	56.4	Pn	12:42:48.175	0.1					T__		24.8		---	MLv	15306183	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.83	56.4	Lg	12:42:59.956	-1.2					T__				---		15306184	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.4 1																								
MORH	1.26	186.9	Sn	12:43:10.999	-0.0					T__				---		15306185	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.47	201.2	Sn	12:43:17.641	1.2					T__				---		15306186	FDSN	HU	--	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	
2019/07/13	12:46:39.81	1.07	0.77	47.4301	18.8425	6.8	5.2	165	9.7F	10.1	8	6	120	0.13	1.22	m	ke BUD	15306526	iLoc				194

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
BUD	0.13	66.4	Pg	12:46:43.511	0.2					T__		120.1		---	MLv	15306528	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BUD	0.13	66.4	Lg	12:46:45.852	-0.3					T__				---		15306529	FDSN	HU	--	BUD	iLoc	BHN	???	_
A269A	0.38	304.0	Lg	12:46:54.055	0.1					T__				---		15306530	FDSN	Z3	00	BUD	iLoc	HHN	???	_
CSKK	0.40	260.6	Lg	12:46:54.550	-0.4					T__				---		15306531	FDSN	HU	--	BUD	iLoc	HHE	???	_
A270A	0.43	15.9	Lg	12:46:55.553	-0.3					T__				---		15306532	FDSN	Z3	00	BUD	iLoc	HHN	???	_
PSZ	0.86	55.1	Pn	12:46:57.302	0.5					T__		23.1		---	MLv	15306533	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.86	55.1	Sn	12:47:09.211	-1.3					T__				---		15306534	FDSN	GE	--	BUD	iLoc	BHE	???	_
MORH	1.22	186.5	Lg	12:47:21.119	-0.2					T__				---		15306535	FDSN	HU	--	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	
2019/07/13	13:13:24.24	1.05	1.13	47.3903	18.1817	13.4	3.9	14	1.8F	22.2	8	5	98	0.06	1.22	m	ke BUD	15306503	iLoc				193

Magnitude Err Nsta Author OrigID
 ML 1.0 0.1 3 ILOC 15306503

Sta	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	116.7	Pg	13:13:25.955	0.1					T__		1736.3		---	MLv	15306505	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.06	116.7	Lg	13:13:27.288	-0.1					T__				---		15306506	FDSN	HU	--	BUD	iLoc	HHZ	???	_
(Station ML : 1.7 1																								
A268A	0.18	283.3	Pg	13:13:28.478	0.4					T__		156.0		---	MLv	15306507	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A268A	0.18	283.3	Lg	13:13:30.339	-1.0					T__				---		15306508	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 1.0 1																								
MPLH	0.49	243.5	Lg	13:13:41.191	-0.1					T__				---		15306509	FDSN	HU	--	BUD	iLoc	BHE	???	_
VVHS	1.19	21.5	Pn	13:13:47.297	0.5					T__		5.4		---	MLv	15306510	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VVHS	1.19	21.5	Sn	13:14:04.066	-0.5					T__				---		15306511	FDSN	SK	--	BUD	iLoc	HHE	???	_
(Station ML : 0.9 1																								
MORH	1.22	164.7	Sn	13:14:02.560	-1.9					T__				---		15306512	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/07/14	05:17:03.50		0.30	46.0060	16.2140				7.7A							a	ke LJU	15275635	ISC			360
2019/07/14	05:17:04.03	1.12	0.37	46.0164	16.1712	6.9	4.0	117	8.4F	16.6	15	8	127	0.18	1.35	m	ke BUD	15306544	iLoc			207

Magnitude Err Nsta Author OrigID
 ML 1.1 LJU 15275635
 ML 1.5 0.4 4 ILOC 15306544

Sta	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	0.18	232.5	Pg	05:17:07.633	-0.3					T__		151.3		_c	MLv	15306546	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.18	232.5	Lg	05:17:10.520	-0.3					T__				---		15306547	FDSN	CR	--	BUD	iLoc	BHE	???	_
(Station ML : 1.0 1																								
ZAG	0.23	214.2	Pg	05:17:09.039	0.2					T__		269.6		---	MLv	15306548	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.23	214.2	Lg	05:17:12.704	0.4					T__				---		15306549	FDSN	CR	--	BUD	iLoc	BHN	???	_
(Station ML : 1.4 1																								
GOLS	0.38	269.4	Pg	05:17:11.630	-0.1					T__				---		15306550	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.38	269.4	Lg	05:17:17.760	0.4					T__				---		15306551	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.38	269.4	IAML	05:17:20.990	-99.0					---		4.8	0.13	---		15306552	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.41	248.7	Pg	05:17:12.080	-0.0					T__				---		15306553	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.41	248.7	Lg	05:17:18.740	0.7					T__				---		15306554	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.41	248.7	IAML	05:17:19.350	-99.0					---		6.0	0.15	---		15306555	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.44	7.2	Pg	05:17:12.810	0.0					T__				---		15306556	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.44	7.2	Lg	05:17:18.700	0.1					T__				---		15306557	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.44	7.2	IAML	05:17:20.440	-99.0					---		14.9	0.17	---		15306558	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.44	7.2	Lg	05:17:18.503	-0.1					T__				---		15306559	FDSN	SL	--	BUD	iLoc	BHZ	???	_
DOBS	0.51	285.5	Pg	05:17:13.930	-0.0					T__				---		15306560	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.51	285.5	IAML	05:17:23.300	-99.0					---		6.4	0.12	---		15306561	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.53	249.4	Pg	05:17:14.261	-0.2					T__		133.8		---	MLv	15306562	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.53	249.4	Lg	05:17:21.717	-0.7					T__				---		15306563	FDSN	SL	--	BUD	iLoc	BHE	???	_
CRES	0.53	249.4	IAML	05:17:24.280	-99.0					---		3.3	0.13	---		15306564	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.9 1																								
KOVH	1.35	86.2	Pg	05:17:29.568	-0.0					T__		21.4		---	MLv	15306565	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/07/15	08:20:21.64	0.96	1.38	47.5394	18.4454	5.7	3.3	110	0.0S	9	6	164	0.11	1.15	m	kx	BUD	15306588	iLoc			265
2019/07/15	08:20:21.80f		1.26	47.5600	18.4573f				0.0S	9		161	0.09	1.14	a	kx	BUD_GT	15328249	BUD			263

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.4	4 BUD	15306588
ML	1.7	0.4	4 ILOC	15328249

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A269A	0.09	327.2	Pg	08:20:24.489	0.3					T__		3803.0		---	MLv	15330096	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A269A	0.09	327.2	Lg	08:20:26.254	-0.3					T__				---		15330097	FDSN	Z3	00	BUD	BUD	HHN	???	_
(Station ML : 2.1 1																								
CSKK	0.24	214.2	Pg	08:20:27.014	-0.1					T__		546.8		---	MLv	15330098	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.24	214.2	Lg	08:20:29.627	-2.1					T__				---		15330099	FDSN	HU	--	BUD	BUD	HHN	???	_
(Station ML : 1.7 1																								
SRO	0.27	339.1	Lg	08:20:33.918	1.2					T__				---		15330100	FDSN	SK	--	BUD	BUD	EHE	???	_
A270A	0.47	52.8	Pg	08:20:32.268	0.4					T__		110.6		---	MLv	15330101	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A270A	0.47	52.8	Lg	08:20:39.917	0.1					T__				---		15330102	FDSN	Z3	00	BUD	BUD	HHN	???	_
(Station ML : 1.7 1																								
VYHS	0.97	15.1	Pn	08:20:41.828	0.1					T__		7.2		---	MLv	15330103	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
(Station ML : 0.9 1																								
MODS	1.14	316.2	Sn	08:20:59.008	-2.8					T__				---		15330104	FDSN	SK	--	BUD	BUD	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/07/15	09:01:35.60	0.31		45.6110	17.2690	0.0	0.0		4.0A		14			0.36	1.26	a	ke	RHSSO	15275667	ISC			360
2019/07/15	09:01:34.51	0.95	0.68	45.6159	17.2944	5.1	4.3	104	3.5F	10.6	27	11	128	0.38	1.30	m	ke	BUD	15306616	iLoc			147

Magnitude	Err	Nsta	Author	OrigID
ML	1.6		RHSSO	15275667
ML	2.0	0.1	6 ILOC	15306616

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MOSL	0.38	269.8	Pg	09:01:42.000	-0.3					T__				---		15306618	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.38	269.8	Lg	09:01:47.600	0.1					T__				---		15306619	FDSN	IR	--	ISC	iLoc	???	???	_
A051A	0.66	204.5	Pg	09:01:47.400	-0.3					T__				---		15306620	FDSN	IR	--	ISC	iLoc	???	???	_
A051A	0.66	204.5	Lg	09:01:57.100	0.7					T__				---		15306621	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	0.73	49.7	Pg	09:01:49.158	-0.1					T__		176.0		---	MLv	15306622	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.73	49.7	Sn	09:02:02.059	-0.4					T__				---		15306623	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 2.2 1																								
BLY	0.83	185.5	Pn	09:01:52.372	0.1					T__		50.6		---	MLv	15306624	FDSN	MN	--	BUD	iLoc	BHZ	BHZ	_
BLY	0.83	185.5	Sn	09:02:05.175	0.0					T__				---		15306625	FDSN	MN	--	BUD	iLoc	BHE	???	_
BLY	0.87	185.2	Pg	09:01:51.300	-0.1					T__				---		15306626	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	0.87	185.2	Lg	09:02:02.800	0.3					T__				---		15306627	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.7 1																								
BEHE	0.93	337.3	Pg	09:01:52.400	-0.5					T__				---		15306628	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.93	337.3	Lg	09:02:05.200	0.2					T__				---		15306629	FDSN	IR	--	ISC	iLoc	???	???	_

BEHE	0.93	337.3	Pg	09:01:52.774	-0.1	T__	97.2	---	MLv	15306630	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
BEHE	0.93	337.3	Sn	09:02:09.063	1.9	T__		---		15306631	FDSN	HU	--	BUD	iLoc	BHN	???	_	
(Station ML : 2.0 1																			
PTJ	0.97	287.9	Pg	09:01:53.276	-0.0	T__	88.4	---	MLv	15306632	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_	
PTJ	0.97	287.9	Lg	09:02:07.836	1.3	T__		---		15306633	FDSN	CR	--	BUD	iLoc	BHN	???	_	
(Station ML : 2.0 1																			
KOGS	1.11	319.2	Sn	09:02:12.675	1.5	T__		---		15306634	FDSN	SL	--	BUD	iLoc	BHN	???	_	
MORH	1.12	57.1	Pn	09:01:55.600	-0.1	T__		---		15306635	FDSN	IR	--	ISC	iLoc	???	???	_	
MORH	1.12	57.1	Sn	09:02:11.500	-0.1	T__		---		15306636	FDSN	IR	--	ISC	iLoc	???	???	_	
MORH	1.12	57.0	Pn	09:01:55.887	0.2	T__	12.1	---	MLv	15306637	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
MORH	1.12	57.0	Sn	09:02:11.251	-0.4	T__		---		15306638	FDSN	HU	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.2 0																			
A050A	1.26	205.8	Pn	09:01:58.000	-0.7	T__		---		15306639	FDSN	IR	--	ISC	iLoc	???	???	_	
A050A	1.26	205.8	Lg	09:02:15.000	-0.5	T__		---		15306640	FDSN	IR	--	ISC	iLoc	???	???	_	
OZLJ	1.28	270.6	Pn	09:01:58.300	-0.3	T__		---		15306641	FDSN	IR	--	ISC	iLoc	???	???	_	
OZLJ	1.28	270.6	Sn	09:02:15.500	-0.6	T__		---		15306642	FDSN	IR	--	ISC	iLoc	???	???	_	
CRES	1.30	279.9	Pn	09:01:59.652	0.6	T__	248.9	---	MLv	15306643	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_	
CRES	1.30	279.9	Lg	09:02:18.481	0.0	T__		---		15306644	FDSN	SL	--	BUD	iLoc	BHE	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/07/15	14:42:22.18	1.06	0.70	48.5688	20.8187	6.8	3.8	11	0.0S		16	9	89	0.20	1.32	m	sx BUD	15306699	iLoc			155

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.3	8 ILOC	15306699

Sta	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	248.7	Pg	14:42:26.388	-0.0				T__		600.7		---	MLv	15306701	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_	
JOS	0.20	248.7	Lg	14:42:30.235	0.5				T__				---		15306702	FDSN	ZJ	--	BUD	iLoc	HHE	???	_	
(Station ML : 1.6 1																								
KECS	0.24	249.0	Pg	14:42:27.098	-0.0				T__		1373.0		---	MLv	15306703	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_	
KECS	0.24	249.0	Lg	14:42:31.231	0.3				T__				---		15306704	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Station ML : 2.1 0																								
ABAH	0.39	134.1	Pg	14:42:30.387	0.1				T__		60.4		---	MLv	15306705	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ABAH	0.39	134.1	Lg	14:42:36.501	-0.6				T__				---		15306706	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.2 1																								
HU02A	0.49	203.8	Pg	14:42:32.493	-0.0				T__		42.0		---	MLv	15306707	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
HU02A	0.49	203.8	Lg	14:42:39.761	-0.6				T__				---		15306708	FDSN	ZJ	00	BUD	iLoc	HHE	???	_	
(Station ML : 1.3 1																								
PSZ	0.90	223.9	Pn	14:42:41.486	0.4				T__		33.5		---	MLv	15306709	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	0.90	223.9	Lg	14:42:54.204	-0.3				T__				---		15306710	FDSN	GE	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.5 1																								
NIE	0.91	338.8	Pn	14:42:42.305	0.9				T__		17.6		---	MLv	15306711	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_	
(Station ML : 1.3 1																								
KOLS	1.03	68.7	Pn	14:42:43.508	0.5				T__				---		15306712	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	1.03	68.7	Lg	14:42:58.517	0.7				T__				---		15306713	FDSN	SK	--	BUD	iLoc	HHE	???	_	
LANS	1.07	303.6	Pg	14:42:42.593	-0.6				T__		64.0		---	MLv	15306714	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_	
(Station ML : 1.9 1																								
VYHS	1.32	267.5	Pg	14:42:48.960	0.3				T__		7.4		---	MLv	15306715	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_	
VYHS	1.32	267.5	Sn	14:43:04.918	-1.8				T__				---		15306716	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
2019/07/16	07:44:40.77	0.95	1.34	47.7147	18.4809	5.1	3.6	109	0.0S	10	7	125	0.10	1.04	m	sx	BUD	15306670	iLoc			143
(description : suspected quarry blast)																						
(locality : Tardos Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.3	4 ILOC	15306670

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A269A	0.10	221.2	Pg	07:44:43.077	-0.3					T__		1879.7		---	MLv	15306672	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A269A	0.10	221.2	Lg	07:44:45.465	-0.3					T__				---		15306673	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 1.9 1																								
SRO	0.15	311.2	Pg	07:44:45.234	1.0					T__		3368.5		---	MLv	15306674	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 2.2 1																								
CSKK	0.38	203.1	Pg	07:44:49.841	1.0					T__		142.2		---	MLv	15306675	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.38	203.1	Lg	07:44:56.205	0.6					T__				---		15306676	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.5 1																								
A270A	0.39	70.0	Lg	07:44:54.460	-1.1					T__				---		15306677	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MPLH	0.84	229.9	Pn	07:44:59.368	0.6					T__		41.6		---	MLv	15306678	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.84	229.9	Sn	07:45:11.870	-1.0					T__				---		15306679	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.6 1																								
PSZ	0.97	77.4	Lg	07:45:15.334	-0.7					T__				---		15306680	FDSN	GE	--	BUD	iLoc	BHN	???	_
MODS	1.04	309.6	Lg	07:45:15.234	-2.6					T__				---		15306681	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
2019/07/17	06:31:48.03	1.03	1.06	47.3528	18.4169	6.4	4.5	178	0.0S	12	10	81	0.11	1.18	m	sx	BUD	15306750	iLoc			128
(description : suspected quarry blast)																						
(locality : Gánt Hungary)																						

Magnitude	Err	Nsta	Author	OrigID

Sta	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	275.7	Pg	06:31:50.689	-0.1					T__		3491.3		---	MLv	15306752	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.11	275.7	Lg	06:31:52.912	-0.6					T__				---		15306753	FDSN	HU	--	BUD	iLoc	HHN	???	_
A269A	0.29	355.3	Lg	06:32:00.100	0.5					T__				---		15306754	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A268A	0.34	283.4	Lg	06:32:02.115	0.6					T__				---		15306755	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A271A	0.35	124.7	Lg	06:32:02.061	0.3					T__				---		15306756	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MPLH	0.62	253.3	Sn	06:32:12.526	-2.3					T__				---		15306757	FDSN	HU	--	BUD	iLoc	HHE	???	_
EGYH	0.74	275.3	Sn	06:32:16.911	-0.7					T__				---		15306758	FDSN	HU	--	BUD	iLoc	HHE	???	_
A336A	0.96	23.8	Pn	06:32:09.016	1.3					T__		95.8		---	MLv	15306759	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A336A	0.96	23.8	Lg	06:32:22.311	-0.3					T__				---		15306760	FDSN	Z3	00	BUD	iLoc	HH3	???	_
MORH	1.15	172.1	Sn	06:32:27.958	0.5					T__				---		15306761	FDSN	HU	--	BUD	iLoc	BHE	???	_
PSZ	1.15	59.9	Lg	06:32:28.761	-1.1					T__				---		15306762	FDSN	GE	--	BUD	iLoc	BHE	???	_
VYHS	1.18	13.7	Sn	06:32:28.962	-0.1					T__				---		15306763	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
2019/07/17	06:42:36.45	1.05	0.68	47.3142	17.6639	8.1	4.4	148	0.0S	7	6	121	0.17	1.29	m	kx	BUD	15306772	iLoc			205

2019/07/17 06:42:36.34f 0.58 47.3300 17.6350f 0.0S 7 125 0.17 1.31 a kx BUD_GT 15328257 BUD 216
 (GT info : GT2 explosion)
 (description : known quarry blast)
 (locality : Ugod Hungary)

Magnitude Err Nsta Author OrigID

Sta	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	202.2	Pg	06:42:40.610	0.2					T__		524.4			MLv	15330105	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MPLH	0.17	202.2	Lg	06:42:42.970	-0.7					T__						15330106	FDSN	HU	--	BUD	BUD	BHN	???	_
A268A	0.22	62.6	Lg	06:42:44.810	-0.8					T__						15330107	FDSN	Z3	00	BUD	BUD	HHN	???	_
EGYH	0.22	292.8	Lg	06:42:46.276	0.8					T__						15330108	FDSN	HU	--	BUD	BUD	HHN	???	_
CSKK	0.43	85.3	Lg	06:42:52.422	-0.4					T__						15330109	FDSN	HU	--	BUD	BUD	HHN	???	_
A269A	0.59	58.4	Lg	06:42:58.332	-0.2					T__						15330110	FDSN	Z3	00	BUD	BUD	HHN	???	_
MORH	1.31	147.7	Sn	06:43:20.175	0.6					T__						15330111	FDSN	HU	--	BUD	BUD	BHE	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/07/17 07:15:29.30 0.92 1.17 48.6521 18.5702 6.0 3.0 55 0.0S 9 7 156 0.17 1.31 m sx BUD 15306785 iLoc 241
 (description : suspected quarry blast)
 (locality : Kamenec-pod-Vtacnikom Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.4 0.2 3 ILOC 15306785

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
A332A	0.17	335.4	Pg	07:15:33.050	0.2					T__		419.1			MLv	15306787	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
A332A	0.17	335.4	Lg	07:15:35.696	0.2					T__						15306788	FDSN	Z3	00	BUD	iLoc	HHN	???	_		
(Station ML : 1.4 1																										
VYHS	0.24	131.8	Pg	07:15:34.623	0.3					T__		41.3			MLv	15306789	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_		
VYHS	0.24	131.8	Lg	07:15:36.983	-1.1					T__						15306790	FDSN	SK	--	BUD	iLoc	HHN	???	_		
(Station ML : 0.6 1																										
A335A	0.26	217.2	Lg	07:15:40.185	1.1					T__						15306791	FDSN	Z3	00	BUD	iLoc	HHN	???	_		
A331A	0.55	335.3	Pg	07:15:40.944	0.8					T__		53.8			MLv	15306792	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
(Station ML : 1.5 1																										
JAVC	0.63	289.5	Lg	07:15:50.489	-1.8					T__						15306793	FDSN	CZ	--	BUD	iLoc	BHE	???	_		
MODS	0.90	252.5	Lg	07:16:00.129	-1.3					T__						15306794	FDSN	SK	--	BUD	iLoc	HHE	???	_		
MORC	1.31	329.5	Lg	07:16:11.376	-0.5					T__						15306795	FDSN	CZ	--	BUD	iLoc	BHE	???	_		

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/07/17 08:10:29.74 1.67 0.96 48.1916 21.2743 11.8 6.9 135 0.0S 12 7 160 0.11 0.97 m kx BUD 15306809 iLoc 188
 2019/07/17 08:10:30.55f 0.81 48.2470 21.2460f 0.0S 12 153 0.05 0.96 a kx BUD_GT 15328263 BUD 181
 (GT info : GT2 explosion)
 (description : known quarry blast)
 (locality : Tallya Hungary)

Magnitude Err Nsta Author OrigID
 ML 1.5 0.3 5 BUD 15306809
 ML 1.5 0.3 5 ILOC 15328263

Sta	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	08:10:32.920	0.8					T__		6495.8		---	MLv	15330112	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_			
ABAH	0.05	355.1	Lg	08:10:34.015	0.3					T__				---		15330113	FDSN	HU	--	BUD	BUD	HHE	???	_			
				(Station ML : 2.2 0																							
HU02A	0.50	255.8	Pn	08:10:43.396	-1.5					T__		35.2		---	MLv	15330114	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_			
HU02A	0.50	255.8	Lg	08:10:47.963	-1.2					T__				---		15330115	FDSN	ZJ	00	BUD	BUD	HHE	???	_			
				(Station ML : 1.2 0																							
JOS	0.53	298.0	Pg	08:10:42.113	0.8					T__		48.2		---	MLv	15330116	FDSN	ZJ	--	BUD	BUD	HHZ	HHZ	_			
JOS	0.53	298.0	Lg	08:10:49.499	0.0					T__				---		15330117	FDSN	ZJ	--	BUD	BUD	HHE	???	_			
				(Station ML : 1.5 1																							
KECS	0.56	295.3	Pg	08:10:42.734	0.9					T__		87.5		---	MLv	15330118	FDSN	SK	--	BUD	BUD	EHE	EHZ	_			
KECS	0.56	295.3	Lg	08:10:51.285	0.9					T__				---		15330119	FDSN	SK	--	BUD	BUD	EHN	???	_			
				(Station ML : 1.8 1																							
HOLU	0.81	69.3	Pn	08:10:48.369	0.3					T__				---		15330120	FDSN	UA	--	BUD	BUD	MHZ	???	_			
TRPA	0.87	97.2	Pg	08:10:47.250	-0.3					T__		20.1		---	MLv	15330121	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_			
TRPA	0.87	97.2	Lg	08:11:02.303	0.3					T__				---		15330122	FDSN	HU	--	BUD	BUD	BHE	???	_			
				(Station ML : 1.3 1																							
PSZ	0.96	250.6	Sn	08:11:07.158	0.8					T__				---		15330123	FDSN	GE	--	BUD	BUD	BHE	???	_			

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/07/17 08:13:38.64 3.17 1.38 48.4511 21.4977 19.7 10.9 81 0.0S 7 4 181 0.23 0.73 m sx BUD 15306844 iLoc 313
 (description : suspected quarry blast)
 (locality : Sáropatak Hungary)

Magnitude Err Nsta Author OrigID
 ML 1.2 0.0 3 ILOC 15306844

Sta	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	228.1	Pg	08:13:44.012	0.3					T__		200.0		---	MLv	15306846	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_			
ABAH	0.23	228.1	Lg	08:13:47.878	-0.2					T__				---		15306847	FDSN	HU	--	BUD	iLoc	HHN	???	_			
				(Station ML : 1.2 1																							
JOS	0.64	274.3	Pg	08:13:51.385	-0.0					T__		18.8		---	MLv	15306848	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_			
JOS	0.64	274.3	Lg	08:14:02.414	1.3					T__				---		15306849	FDSN	ZJ	--	BUD	iLoc	HHE	???	_			
				(Station ML : 1.1 1																							
KOLS	0.70	46.5	Sn	08:14:06.625	-2.1					T__				---		15306850	FDSN	SK	--	BUD	iLoc	HHE	???	_			
HU02A	0.73	243.5	Pg	08:13:53.122	-0.6					T__		20.6		---	MLv	15306851	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_			
HU02A	0.73	243.5	Lg	08:14:04.107	-1.0					T__				---		15306852	FDSN	ZJ	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
 2019/07/17 09:05:25.03 1.21 1.07 48.5547 20.7685 9.0 3.7 3 0.0S 14 8 87 0.16 1.29 m sx BUD 15306866 iLoc 160
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.3 0.2 6 ILOC 15306866

Sta	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	249.0	Pg	09:05:28.511	-0.0	T__	390.7	---	MLv	15306868	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.16	249.0	Lg	09:05:31.916	0.6	T__		---		15306869	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 1.3 1																		
KECS	0.20	249.3	Pg	09:05:29.070	-0.2	T__	1294.6	---	MLv	15306870	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.20	249.3	Lg	09:05:33.162	0.6	T__		---		15306871	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 2.0 0																		
ABAH	0.41	129.3	Pg	09:05:33.815	0.4	T__	93.6	---	MLv	15306872	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.41	129.3	Lg	09:05:40.238	-0.2	T__		---		15306873	FDSN	HU	--	BUD	iLoc	HHZ	???	_
(Station ML : 1.4 1																		
HU02A	0.46	200.7	Pg	09:05:34.510	-0.3	T__	38.5	---	MLv	15306874	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.46	200.7	Lg	09:05:42.173	-0.2	T__		---		15306875	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.2 1																		
PSZ	0.86	222.9	Lg	09:05:55.619	-0.6	T__		---		15306876	FDSN	GE	--	BUD	iLoc	BHE	???	_
NIE	0.92	341.0	Pn	09:05:45.072	0.8	T__	13.4	---	MLv	15306877	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 1.1 1																		
KOLS	1.07	68.6	Pn	09:05:46.904	0.5	T__		---		15306878	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	1.07	68.6	Lg	09:05:59.169	-2.7	T__		---		15306879	FDSN	SK	--	BUD	iLoc	HHN	???	_
VYHS	1.29	268.0	Pn	09:05:49.695	0.3	T__	5.5	---	MLv	15306880	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.29	268.0	Sn	09:06:06.918	-1.8	T__		---		15306881	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
2019/07/18	07:12:04.43	1.74	1.75	48.5566	19.3982	10.7	7.0	45	0.0S		14	8	192	0.38	0.87	m	sx	BUD	15306907	iLoc		193
(description : suspected quarry blast)																						
(locality : Viglas Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.1	6 ILOC	15306907

Sta	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	0.38	260.7	Pg	07:12:12.979	0.7					T__		18.3		---	MLv	15306909	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.38	260.7	Lg	07:12:17.246	-0.8					T__				---		15306910	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 0.6 0																								
A336A	0.42	219.6	Pg	07:12:13.956	0.9					T__	255.9		---	MLv	15306911	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A336A	0.42	219.6	Lg	07:12:20.083	0.4					T__			---		15306912	FDSN	Z3	00	BUD	iLoc	HH2	???	_	
(Station ML : 1.9 1																								
A335A	0.72	261.6	Lg	07:12:28.570	-1.4					T__			---		15306913	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
PSZ	0.72	152.4	Pn	07:12:20.761	-0.2					T__	37.5		---	MLv	15306914	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	0.72	152.4	Sn	07:12:31.807	-2.5					T__			---		15306915	FDSN	GE	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.5 1																								
KECS	0.73	95.4	Pn	07:12:20.861	0.0					T__	93.5		---	MLv	15306916	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_	
KECS	0.73	95.4	Sn	07:12:31.506	-2.5					T__			---		15306917	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Station ML : 1.9 0																								
A270A	0.76	199.8	Lg	07:12:30.196	-1.7					T__			---		15306918	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
JOS	0.76	94.2	Pn	07:12:21.075	-0.2					T__	44.6		---	MLv	15306919	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_	
JOS	0.76	94.2	Sn	07:12:32.182	-2.6					T__			---		15306920	FDSN	ZJ	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.6 1																								
HU02A	0.87	119.6	Pn	07:12:23.594	0.7					T__	43.0		---	MLv	15306921	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
HU02A	0.87	119.6	Sn	07:12:35.080	-2.6					T__			---		15306922	FDSN	ZJ	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
2019/07/18	07:24:53.23	2.88	0.55	46.1081	18.1093	31.2	3.5	129	0.0S	5	3	141	0.02	1.13	m	kx	BUD	15306948	iLoc			266
2019/07/18	07:24:51.94f		0.70	46.1254	18.0152f				0.0S	5		220	0.07	1.10	a	kx	BUD_GT	15328273	BUD			315

(GT info : GT2 explosion)
(description : known quarry blast)
(locality : Bükkösd-II Hungary)

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	0.07	122.2	Pg	07:24:54.259	0.2					T__		589.5			MLv	15330124	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.07	122.2	Lg	07:24:55.163	-0.8					T__						15330125	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	0.45	78.1	Pg	07:25:01.489	0.2					T__		8.0			MLv	15330126	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.45	78.1	Lg	07:25:07.765	-0.7					T__						15330127	FDSN	HU	--	BUD	BUD	BHN	???	_
MPLH	1.10	342.8	Lg	07:25:31.105	1.1					T__						15330128	FDSN	HU	--	BUD	BUD	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/07/18	09:18:35.95	0.31	0.33	46.9258	22.2706	2.4	1.1	142	3.6F	1.6	21	195	0.33	2.18	a	ke	BUC	15275702	ISC			360
2019/07/18	09:18:36.15	0.45	0.63	47.0114	22.2577				0.0F	0.0	13	160	0.38	1.66	a	kx	KRSZO	15275698	ISC			360
2019/07/18	09:18:35.13	1.29	0.71	46.9581	22.2849	10.1	4.6	161	0.0S	46	15	102	0.34	2.21	m	sx	BUD	15307002	iLoc			116

(description : suspected quarry blast)
(locality : Tetchea Romania)

Magnitude	Err	Nsta	Author	OrigID
m1	1.7		BUC	15275702
M	2.0		KRSZO	15275698
MLv	2.0		KRSZO	15275698
ML	1.9	0.2	10 ILOC	15307002

Sta	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	0.34	119.5	Pg	09:18:42.467	0.4					T__		341.4			MLv	15307004	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.34	119.5	Lg	09:18:47.429	-0.3					T__						15307005	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.34	119.5	Pg	09:18:42.365	0.3					T__						15307006	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.34	119.5	Pg	09:18:42.365	0.3					T__		0.1				15307007	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.34	119.5	Lg	09:18:47.027	-0.8					T__		0.1				15307008	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.34	119.5	Lg	09:18:47.027	-0.8					T__						15307009	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.8 1																								
MARR	0.64	115.9	Pg	09:18:47.877	-0.1					T__						15307010	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.64	115.9	Pg	09:18:47.877	-0.1					T__		0.1				15307011	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.64	115.9	Lg	09:18:57.238	-0.8					T__		0.1				15307012	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.64	115.9	Lg	09:18:57.238	-0.8					T__						15307013	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.81	212.2	Pg	09:18:51.603	-0.0					T__						15307014	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.81	212.2	Lg	09:19:01.622	-2.4					T__						15307015	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.81	212.0	Pn	09:18:52.518	-0.2					T__		37.5			MLv	15307016	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.81	212.0	Lg	09:19:04.020	-0.1					T__						15307017	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.5 0																								
CJR	0.93	104.7	Pg	09:18:53.359	-0.1					T__		0.1				15307018	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.93	104.7	Pn	09:18:55.165	0.5					T__		441.8			MLv	15307019	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
CJR	0.93	104.7	Lg	09:19:06.989	-0.7					T__		0.1				15307020	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.93	104.7	Lg	09:19:07.480	-0.2					T__						15307021	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 2.7 0																								

BMR	1.09	48.6	Pn	09:18:56.997	0.2	T__	171.5	---	MLv	15307022	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BMR	1.09	48.6	Pn	09:18:57.235	0.4	T__	0.1	---		15307023	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.3 1																		
DEV	1.15	158.2	Pn	09:18:59.044	1.5	T__	232.0	---	MLv	15307024	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DEV	1.16	158.1	Pn	09:18:58.193	0.5	T__		---		15307025	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	1.16	158.1	Pn	09:18:58.193	0.5	T__		---		15307026	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.5 0																		
TRPA	1.19	8.3	Pn	09:18:57.517	-0.4	T__	17.0	---	MLv	15307027	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 1.4 0																		
SURR	1.21	185.3	Pg	09:18:58.564	0.1	T__		---		15307028	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.21	185.3	Pg	09:18:58.564	0.1	T__		---		15307029	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.21	185.3	Lg	09:19:15.115	-0.2	T__		---		15307030	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.41	198.7	Pn	09:19:01.486	0.3	T__	30.5	---	MLv	15307031	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	1.41	198.7	Lg	09:19:21.741	-0.1	T__		---		15307032	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	1.42	199.3	Sn	09:19:21.283	-0.0	T__		---		15307033	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.8 1																		
GZR	1.60	167.5	Pn	09:19:04.486	0.3	T__		---		15307034	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.60	167.5	Pn	09:19:04.486	0.3	T__	0.1	---		15307035	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.60	167.5	Pg	09:19:06.168	0.7	T__	54.7	---	MLv	15307036	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.60	167.5	Sn	09:19:26.553	0.3	T__	0.1	---		15307037	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.60	167.5	Sn	09:19:26.553	0.3	T__		---		15307038	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.60	167.5	Lg	09:19:29.069	1.1	T__		---		15307039	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 2.1 1																		
HU02A	1.67	315.0	Pn	09:19:04.085	-0.5	T__	28.3	---	MLv	15307040	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.67	315.0	Sn	09:19:26.479	-0.8	T__		---		15307041	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 1.9 1																		
JOS	1.94	323.2	Pn	09:19:08.426	0.1	T__	20.3	---	MLv	15307042	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.9 1																		
HERR	2.08	177.4	Pn	09:19:11.708	1.1	T__		---		15307043	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.10	70.7	Pn	09:19:12.748	1.2	T__		---		15307044	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.10	70.7	Pn	09:19:12.748	1.2	T__		---		15307045	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.10	70.7	Sn	09:19:40.297	0.8	T__		---		15307046	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	2.21	190.6	Pn	09:19:12.784	0.2	T__		---		15307047	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	2.21	190.6	Pn	09:19:12.784	0.2	T__		---		15307048	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	2.21	190.6	Sn	09:19:41.714	0.9	T__		---		15307049	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/07/18	10:10:48.24	1.08	0.86	47.8358	19.1388	7.1	3.6	11	0.0S		12	7	196	0.08	1.15	m	sx BUD	15306963	iLoc			262
(description : suspected quarry blast)																						
(locality : Sejce-Vác Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.1	6 ILOC	15306963

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
A270A	0.08	276.6	Pg	10:10:50.537	0.1					T__		3295.5		---	MLv	15306965	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A270A	0.08	276.6	Lg	10:10:51.114	-1.3					T__				---		15306966	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 2.0 0																								
HU03A	0.32	77.5	Pg	10:10:56.349	1.2					T__		139.8		---	MLv	15306967	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.3 0																								
A336A	0.41	346.8	Pg	10:10:57.438	0.7					T__		172.7		---	MLv	15306968	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_

A336A	0.41	346.8	Lg	10:11:03.520	0.2	T__	---	15306969	FDSN	Z3	00	BUD	iLoc	HH2	???	_
(Station ML : 1.7 1																
PSZ	0.52	80.5	Pg	10:10:59.744	0.3	T__	45.4	---	MLv	15306970	FDSN	GE	--	BUD	iLoc	BHZ BHZ _
PSZ	0.52	80.5	Lg	10:11:07.276	-0.5	T__	---	---	---	15306971	FDSN	GE	--	BUD	iLoc	BHN ??? _
(Station ML : 1.4 1																
VYHS	0.69	343.0	Lg	10:11:11.443	-1.1	T__	---	---	---	15306972	FDSN	SK	--	BUD	iLoc	HHN ??? _
HU02A	0.97	72.4	Pg	10:11:08.460	0.1	T__	28.1	---	MLv	15306973	FDSN	ZJ	00	BUD	iLoc	HHZ HHZ _
HU02A	0.97	72.4	Lg	10:11:22.650	-1.1	T__	---	---	---	15306974	FDSN	ZJ	00	BUD	iLoc	HHE ??? _
(Station ML : 1.5 1																
JOS	1.15	54.3	Pg	10:11:11.346	0.4	T__	21.5	---	MLv	15306975	FDSN	ZJ	--	BUD	iLoc	HHZ HHZ _
JOS	1.15	54.3	Sn	10:11:27.615	-0.3	T__	---	---	---	15306976	FDSN	ZJ	--	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
2019/07/19	08:13:39.93	0.87	0.90	47.2480	18.2943	4.2	3.5	89	0.0S	16	12	52	0.12	1.74	m	kx	BUD	15307100	iLoc			97
2019/07/19	08:13:39.98f	0.83	0.83	47.2302	18.2835f				0.0S	16		53	0.13	1.76	a	kx	BUD_GT	15328281	BUD			95
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Iszkaszentgyörgy Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.2	0.0	5 BUD	15307100
ML	1.2	0.0	5 ILOC	15328281

Sta	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	353.4	Pg	08:13:43.258	-0.0					T__		377.6		---	MLv	15330129	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.13	353.4	Lg	08:13:45.267	-1.2					T__				---	---	15330130	FDSN	HU	--	BUD	BUD	HHN	???	_
(Station ML : 1.2 1																								
A267A	0.31	154.4	Lg	08:13:52.918	0.6					T__				---	---	15330132	FDSN	Z3	00	BUD	BUD	HHE	???	_
A268A	0.32	309.6	Lg	08:13:52.552	0.0					T__				---	---	15330131	FDSN	Z3	00	BUD	BUD	HHE	???	_
A271A	0.38	101.2	Lg	08:13:55.789	0.8					T__				---	---	15330133	FDSN	Z3	00	BUD	BUD	HHN	???	_
TIH	0.43	219.5	Lg	08:13:56.591	0.9					T__				---	---	15330134	FDSN	HU	--	BUD	BUD	HHZ	???	_
MPLH	0.51	263.5	Pg	08:13:50.439	-0.1					T__		96.8		---	MLv	15330135	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MPLH	0.51	263.5	Lg	08:13:59.071	0.6					T__				---	---	15330136	FDSN	HU	--	BUD	BUD	BHE	???	_
(Station ML : 1.7 1																								
A270A	0.79	38.7	Lg	08:14:07.559	-1.6					T__				---	---	15330137	FDSN	Z3	00	BUD	BUD	HHN	???	_
MORH	1.04	166.1	Pg	08:14:01.083	0.2					T__		14.0		---	MLv	15330138	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	1.04	166.1	Lg	08:14:14.690	-1.3					T__				---	---	15330139	FDSN	HU	--	BUD	BUD	BHE	???	_
(Station ML : 1.2 1																								
KOVH	1.15	186.4	Sn	08:14:18.456	-1.0					T__				---	---	15330140	FDSN	HU	--	BUD	BUD	BHE	???	_
PSZ	1.29	57.1	Pn	08:14:05.200	0.9					T__		49.8		---	MLv	15330141	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	1.29	57.1	Sn	08:14:23.376	-0.3					T__				---	---	15330142	FDSN	GE	--	BUD	BUD	BHE	???	_
(Station ML : 1.9 0																								
VYHS	1.32	16.2	Pg	08:14:05.702	-0.9					T__		8.0		---	MLv	15330143	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
(Station ML : 1.1 0																								
HU02A	1.76	58.7	Sn	08:14:35.458	0.7					T__				---	---	15330144	FDSN	ZJ	00	BUD	BUD	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/07/19	08:31:40.29	0.90	1.94	48.2477	21.2384	5.0	3.9	151	0.0S	28	15	61	0.05	3.30	m	kx	BUD	15307139	iLoc			100

2019/07/19 08:31:40.28f 1.76 48.2470 21.2460f 0.0S 28 61 0.05 3.29 a kx BUD_GT 15328285 BUD 100
 (GT info : GT2 explosion)
 (description : known quarry blast)
 (locality : Tallya Hungary)

Magnitude Err Nsta Author OrigID
 ML 1.9 0.1 6 BUD 15307139
 ML 1.9 0.1 6 ILOC 15328285

Sta	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	08:31:41.300	-0.6					T__		33.4				15330145	FDSN	IR	--	ISC	BUD	???	???	_
ABAH	0.05	355.1	Pg	08:31:41.888	0.0					T__		33358.8		MLv		15330146	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
(Station ML : 3.0 0)																								
HU02A	0.50	255.8	Pg	08:31:50.380	-0.5					T__		124.8		MLv		15330147	FDSN	ZJ	00	BUD	BUD	HHN	HHZ	_
HU02A	0.50	255.8	Lg	08:31:58.186	-0.8					T__						15330148	FDSN	ZJ	00	BUD	BUD	HHN	???	_
(Station ML : 1.8 1)																								
JOS	0.53	298.0	Pg	08:31:51.089	0.1					T__		133.1		MLv		15330149	FDSN	ZJ	--	BUD	BUD	HHE	HHZ	_
JOS	0.53	298.0	Lg	08:31:57.484	-1.7					T__						15330150	FDSN	ZJ	--	BUD	BUD	HHN	???	_
(Station ML : 1.9 1)																								
KECS	0.56	295.3	Pg	08:31:51.647	0.1					T__		217.8		MLv		15330151	FDSN	SK	--	BUD	BUD	EHE	EHZ	_
KECS	0.56	295.3	Lg	08:31:59.600	-0.5					T__		0.2				15330152	FDSN	IR	--	ISC	BUD	???	???	_
KECS	0.56	295.3	Lg	08:31:59.772	-0.3					T__						15330153	FDSN	SK	--	BUD	BUD	EHN	???	_
KECS	0.56	295.3	Pn	08:32:01.100	5.6					---		0.2				15330154	FDSN	IR	--	ISC	BUD	???	???	_
(Station ML : 2.1 1)																								
HU05A	0.70	186.1	Sn	08:32:07.908	-1.1					T__						15330155	FDSN	ZJ	00	BUD	BUD	HHE	???	_
TRPA	0.87	97.2	Pg	08:31:56.500	-0.8					T__						15330156	FDSN	IR	--	ISC	BUD	???	???	_
TRPA	0.87	97.2	Lg	08:32:10.674	-1.1					T__						15330157	FDSN	HU	--	BUD	BUD	BHN	???	_
PSZ	0.96	250.6	Pn	08:31:59.800	-0.3					T__		0.1				15330158	FDSN	IR	--	ISC	BUD	???	???	_
PSZ	0.96	250.6	Pn	08:31:59.991	-0.1					T__		69.9		MLv		15330161	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.96	250.6	Pg	08:32:01.400	0.8					T__		0.1				15330159	FDSN	IR	--	ISC	BUD	???	???	_
PSZ	0.96	250.6	Lg	08:32:13.500	-1.5					T__		0.1				15330160	FDSN	IR	--	ISC	BUD	???	???	_
PSZ	0.96	250.6	Lg	08:32:13.748	-1.3					T__						15330162	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.9 1)																								
KOLS	0.97	44.4	Pn	08:32:00.368	0.2					T__						15330163	FDSN	SK	--	BUD	BUD	HHZ	???	_
KOLS	0.97	44.4	Pn	08:32:00.500	0.3					T__		20.5				15330164	FDSN	IR	--	ISC	BUD	???	???	_
KOLS	0.97	44.4	Lg	08:32:14.558	0.0					T__						15330165	FDSN	SK	--	BUD	BUD	HHE	???	_
STHS	1.17	359.9	Pn	08:32:07.500	4.4					T__		0.2				15330166	FDSN	IR	--	ISC	BUD	???	???	_
NIE	1.33	332.6	Pg	08:32:08.232	3.0					T__		23.6		MLv		15330167	FDSN	PL	--	BUD	BUD	BHZ	BHZ	_
NIE	1.33	332.3	Pg	08:32:08.800	3.5					T__						15330168	FDSN	IR	--	ISC	BUD	???	???	_
(Station ML : 1.6 0)																								
A336A	1.50	270.3	Sn	08:32:30.163	1.5					T__						15330169	FDSN	Z3	00	BUD	BUD	HH3	???	_
VVHS	1.63	279.6	Lg	08:32:34.691	-1.2					T__						15330170	FDSN	SK	--	BUD	BUD	HHZ	???	_
DRGR	1.76	145.2	Pg	08:32:13.800	-1.1					T__		0.0				15330171	FDSN	IR	--	ISC	BUD	???	???	_
DRGR	1.76	145.2	Pb	08:32:21.200	6.3					---						15330172	FDSN	IR	--	ISC	BUD	???	???	_
CSKK	2.20	247.4	Pg	08:32:21.700	-2.2					T__						15330173	FDSN	IR	--	ISC	BUD	???	???	_
LOT	3.29	147.3	Pg	08:32:38.400	-4.9					T__						15330174	FDSN	IR	--	ISC	BUD	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/07/19	10:18:56.20	0.40		45.9530	22.7140	0.1	0.0		0.0F	0.0	10			0.56	1.36	a	ke BEO	15275811	ISC			360
2019/07/19	10:18:54.57	0.09	0.25	45.9653	22.7018	0.7	0.7	138	4.5F	1.5	26	67		0.16	1.72	a	ke BUC	15275814	ISC			360
2019/07/19	10:18:54.53	0.60	0.84	45.9693	22.7203	3.1	2.8	107	15.1F	1.8	70	15	67	0.15	1.72	m	ke BUD	15307240	iLoc			114

Magnitude	Err	Nsta	Author	OrigID
ML	1.5		BEO	15275811
m1	1.7		BUC	15275814
ML	1.9	0.4	8 ILOC	15307240

Sta	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	123.5	Pg	10:18:57.938	-0.4					T__		2196.2			MLv	15307242	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DEV	0.15	123.5	Lg	10:19:00.381	-0.8					T__						15307243	FDSN	RO	--	BUD	iLoc	BHE	???	_
DEV	0.15	123.9	Pg	10:18:57.833	-0.6					T__						15307244	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.15	123.9	Pg	10:18:57.833	-0.6					T__		0.8				15307245	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.15	123.9	Lg	10:19:00.044	-1.3					T__		0.8				15307246	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.15	123.9	Lg	10:19:00.044	-1.3					T__						15307247	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.1 1																								
SURR	0.47	242.9	Pg	10:19:03.657	-0.3					T__						15307248	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.47	242.9	Pg	10:19:03.657	-0.3					T__						15307249	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.47	242.9	Lg	10:19:09.286	-1.1					T__						15307250	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.58	176.1	Pg	10:19:05.829	-0.1					T__						15307251	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.58	176.1	Pg	10:19:05.829	-0.1					T__		0.1				15307252	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.58	176.1	Pb	10:19:06.000	0.1					T__						15307253	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.58	176.1	Pg	10:19:06.590	0.7					T__		57.4			MLv	15307254	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	0.58	176.1	Lg	10:19:13.700	-0.5					T__						15307255	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.58	176.1	Sg	10:19:13.853	-0.3					T__		0.1				15307256	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.58	176.1	Sg	10:19:13.853	-0.3					T__						15307257	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.58	176.1	Lg	10:19:14.223	0.0					T__						15307258	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 1.6 1																								
MARR	0.76	21.2	Pg	10:19:09.319	-0.4					T__						15307259	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.76	21.2	Pg	10:19:09.319	-0.4					T__						15307260	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.76	21.2	Lg	10:19:19.966	-0.6					T__						15307261	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.79	292.3	Pn	10:19:10.269	-0.1					T__		27.1			MLv	15307262	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.79	292.3	Lg	10:19:21.768	0.7					T__						15307263	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	0.80	292.4	Pn	10:19:09.464	-1.0					T__						15307264	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.80	292.4	Pn	10:19:09.464	-1.0					T__						15307265	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.80	292.4	Lg	10:19:20.528	-0.6					T__						15307266	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.4 0																								
DRGR	0.82	359.6	Pn	10:19:10.618	-0.4					T__						15307267	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.82	359.6	Pn	10:19:10.618	-0.4					T__						15307268	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.82	359.6	Pg	10:19:11.200	0.2					T__						15307269	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.82	359.6	Lg	10:19:21.853	-0.5					T__						15307270	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.82	359.6	Sg	10:19:22.900	0.6					T__						15307271	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.82	359.6	Pn	10:19:10.966	-0.0					T__		74.4			MLv	15307272	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.82	359.6	Lg	10:19:22.200	-0.1					T__						15307273	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.8 1																								
BZS	0.83	245.5	Pg	10:19:10.457	-0.3					T__		28.2			MLv	15307274	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.83	245.5	Lg	10:19:20.330	-1.5					T__						15307275	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	0.85	245.8	Pg	10:19:10.682	-0.3					T__						15307276	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.85	245.8	Pg	10:19:10.682	-0.3					T__						15307277	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.85	245.8	Pb	10:19:10.800	-0.2					T__						15307278	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.85	245.8	Lg	10:19:21.621	-0.7					T__						15307279	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.85	245.8	Sg	10:19:23.100	0.7					T__						15307280	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.4 1																								
LOT	0.90	125.0	Pg	10:19:12.387	0.4					T__						15307281	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.90	125.0	Pg	10:19:12.387	0.4					T__		0.1				15307282	FDSN	IR	--	ISC	iLoc	???	???	_

LOT	0.90	125.0	Lg	10:19:24.493	-0.6	T__	0.1	---	15307283	FDSN	IR	--	ISC	iLoc	???	???	_	
LOT	0.90	125.0	Lg	10:19:24.493	-0.6	T__		---	15307284	FDSN	IR	--	ISC	iLoc	???	???	_	
LOT	0.90	125.1	Pg	10:19:13.017	1.0	T__	132.5	---	MLv	15307285	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
LOT	0.90	125.1	Lg	10:19:24.111	-1.2	T__		---	15307286	FDSN	RO	--	BUD	iLoc	BHE	???	_	
(Station ML : 2.1 1																		
CJR	0.96	38.9	Pn	10:19:13.232	0.2	T__		---	15307287	FDSN	IR	--	ISC	iLoc	???	???	_	
CJR	0.96	38.9	Pn	10:19:13.232	0.2	T__	0.1	---	15307288	FDSN	IR	--	ISC	iLoc	???	???	_	
CJR	0.96	38.9	Pn	10:19:13.780	0.8	T__	186.1	---	MLv	15307289	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
CJR	0.96	38.9	Lg	10:19:27.219	0.5	T__	0.1	---	15307290	FDSN	IR	--	ISC	iLoc	???	???	_	
CJR	0.96	38.9	Lg	10:19:27.219	0.5	T__		---	15307291	FDSN	IR	--	ISC	iLoc	???	???	_	
CJR	0.96	38.9	Lg	10:19:27.928	1.2	T__		---	15307292	FDSN	RO	--	BUD	iLoc	BHE	???	_	
(Station ML : 2.3 1																		
HERR	1.11	191.2	Pg	10:19:15.952	0.4	T__		---	15307293	FDSN	IR	--	ISC	iLoc	???	???	_	
HERR	1.11	191.2	Pg	10:19:15.952	0.4	T__		---	15307294	FDSN	IR	--	ISC	iLoc	???	???	_	
HERR	1.11	191.2	Sn	10:19:30.730	0.3	T__		---	15307295	FDSN	IR	--	ISC	iLoc	???	???	_	
TNR	1.13	105.7	Pn	10:19:16.286	0.7	T__		---	15307296	FDSN	IR	--	ISC	iLoc	???	???	_	
TNR	1.13	105.7	Pn	10:19:16.286	0.7	T__	0.2	---	15307297	FDSN	IR	--	ISC	iLoc	???	???	_	
TNR	1.13	105.7	Sn	10:19:32.383	1.0	T__	0.2	---	15307298	FDSN	IR	--	ISC	iLoc	???	???	_	
TNR	1.13	105.7	Sn	10:19:32.383	1.0	T__		---	15307299	FDSN	IR	--	ISC	iLoc	???	???	_	
VRSS	1.30	229.7	Pn	10:19:18.800	1.3	T__		---	15307300	FDSN	IR	--	ISC	iLoc	???	???	_	
VRSS	1.30	229.7	Sn	10:19:36.000	1.1	T__		---	15307301	FDSN	IR	--	ISC	iLoc	???	???	_	
MDVR	1.38	211.2	Pn	10:19:20.313	1.4	T__		---	15307303	FDSN	IR	--	ISC	iLoc	???	???	_	
MDVR	1.38	211.2	Pn	10:19:20.313	1.4	T__		---	15307302	FDSN	IR	--	ISC	iLoc	???	???	_	
MDVR	1.38	211.2	Pg	10:19:21.700	0.7	T__		---	15307304	FDSN	IR	--	ISC	iLoc	???	???	_	
MDVR	1.38	211.2	Lg	10:19:40.131	0.9	T__		---	15307305	FDSN	IR	--	ISC	iLoc	???	???	_	
MDVR	1.38	211.2	Sg	10:19:40.500	1.3	T__		---	15307306	FDSN	IR	--	ISC	iLoc	???	???	_	
ARCR	1.59	44.7	Pg	10:19:24.824	-0.1	T__	134.1	---	MLv	15307307	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
ARCR	1.59	44.7	Lg	10:19:47.521	1.6	T__		---	15307308	FDSN	RO	--	BUD	iLoc	BHN	???	_	
(Station ML : 2.5 0																		
VOIR	1.72	107.2	Pn	10:19:25.873	1.7	T__		---	15307309	FDSN	IR	--	ISC	iLoc	???	???	_	
VOIR	1.72	107.2	Pn	10:19:25.873	1.7	T__		---	15307310	FDSN	IR	--	ISC	iLoc	???	???	_	
VOIR	1.72	107.2	Sn	10:19:48.545	1.9	T__		---	15307311	FDSN	IR	--	ISC	iLoc	???	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/07/19	13:06:01.91	0.26	0.40	46.1284	21.7033	2.7	1.6	107	8.5F	2.9	12	163	0.14	1.35	a	ke	BUC	15275935	ISC			360
2019/07/19	13:06:01.75	0.88	0.67	46.1228	21.6949	10.1	3.9	98	4.8F	12.2	20	6	166	0.14	1.34	m	ke	BUD	15307205	iLoc		221

Magnitude	Err	Nsta	Author	OrigID
ml	0.9		BUC	15275935
ML	1.2	0.4	3 ILOC	15307205

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
SIRR	0.14	351.2	Pg	13:06:05.142	0.1					T__		153.4		---	MLv	15307207	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
SIRR	0.14	351.2	Lg	13:06:07.643	-0.1					T__				---		15307208	FDSN	RO	--	BUD	iLoc	BHN	???	_		
(Station ML : 0.9 1																										
BZS	0.51	184.4	Pg	13:06:11.661	-0.0					T__		27.9		---	MLv	15307209	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
BZS	0.51	184.4	Lg	13:06:18.540	-0.4					T__				---		15307210	FDSN	RO	--	BUD	iLoc	BHE	???	_		
BZS	0.51	186.2	Pg	13:06:11.450	-0.3					T__				---		15307211	FDSN	IR	--	ISC	iLoc	???	???	_		
BZS	0.51	186.2	Pg	13:06:11.450	-0.3					T__				---		15307212	FDSN	IR	--	ISC	iLoc	???	???	_		
(Station ML : 1.2 1																										
DRGR	0.97	46.0	Pg	13:06:20.904	-0.1					T__				---		15307213	FDSN	IR	--	ISC	iLoc	???	???	_		

DRGR	0.97	46.0	Pg	13:06:20.904	-0.1	T__	---	15307214	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.97	46.0	Lg	13:06:33.523	-1.0	T__	---	15307215	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.97	46.0	Pn	13:06:21.966	0.9	T__	---	15307216	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.97	46.0	Lg	13:06:33.659	-0.9	T__	---	15307217	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 1.6 1																
GZR	1.05	133.5	Pn	13:06:22.668	0.2	T__	---	15307218	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.05	133.5	Pn	13:06:22.668	0.2	T__	---	15307219	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.05	133.5	Lg	13:06:37.358	0.9	T__	---	15307220	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.13	60.2	Pn	13:06:23.749	0.3	T__	---	15307221	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.13	60.2	Pn	13:06:23.749	0.3	T__	---	15307222	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.13	60.2	Lg	13:06:38.547	-1.1	T__	---	15307223	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.34	179.5	Pn	13:06:27.343	1.0	T__	---	15307224	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.34	179.5	Pn	13:06:27.343	1.0	T__	---	15307225	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.34	179.5	Lg	13:06:45.780	0.2	T__	---	15307226	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/07/20	15:50:44.75	1.05	1.04	47.4601	18.8476	5.0	4.2	139	4.9F	17.5	11	8	102	0.12	1.25	m	ke BUD	15307355	iLoc			125

Magnitude	Err	Nsta	Author	OrigID
ML	0.9	0.1	3 ILOC	15307355

Sta	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	0.12	78.8	Pg	15:50:47.937	0.3					T__		167.9		---	MLv	15307357	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_		
BUD	0.12	78.8	Lg	15:50:49.845	-0.2					T__				---		15307358	FDSN	HU	--	BUD	iLoc	BHN	???	_		
(Station ML : 0.9 1																										
A271A	0.31	181.7	Lg	15:50:56.356	0.0					T__				---		15307359	FDSN	Z3	00	BUD	iLoc	HHN	???	_		
A269A	0.36	299.7	Lg	15:50:57.557	-0.7					T__				---		15307360	FDSN	Z3	00	BUD	iLoc	HHE	???	_		
A270A	0.40	16.6	Lg	15:50:59.734	0.1					T__				---		15307361	FDSN	Z3	00	BUD	iLoc	HHN	???	_		
CSKK	0.41	256.6	Lg	15:50:59.159	-0.8					T__				---		15307362	FDSN	HU	--	BUD	iLoc	HHN	???	_		
PSZ	0.84	56.7	Pn	15:51:01.569	-0.6					T__		26.5		---	MLv	15307363	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	0.84	56.7	Lg	15:51:13.619	-1.3					T__				---		15307364	FDSN	GE	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.4 1																										
VYHS	1.03	359.6	Pg	15:51:07.099	1.6					T__		5.5		---	MLv	15307365	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_		
VYHS	1.03	359.6	Lg	15:51:19.092	-1.3					T__				---		15307366	FDSN	SK	--	BUD	iLoc	HHN	???	_		
(Station ML : 0.8 1																										
MORH	1.25	186.5	Sn	15:51:24.891	-0.3					T__				---		15307367	FDSN	HU	--	BUD	iLoc	BHE	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/07/22	07:12:36.75	0.80	1.01	47.9662	20.0586	6.3	3.1	156	0.0S		15	8	91	0.12	0.97	m	kx BUD	15307381	iLoc				179
2019/07/22	07:12:36.64f	0.99	47.8987	20.0893f					0.0S		15		113	0.13	1.03	a	kx BUD_GT	15328289	BUD				208

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.2	7 BUD	15307381
ML	1.8	0.1	7 ILOC	15328289

Sta	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	07:12:40.169	0.1					T__		1540.0		---	MLv	15330175	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.13	278.6	Lg	07:12:43.075	0.0					T__				---		15330176	FDSN	GE	--	BUD	BUD	BHN	???	_
				(Station ML	:	1.9	1																	
HU23A	0.28	157.3	Lg	07:12:50.478	2.6					T__				---		15330181	FDSN	ZJ	00	BUD	BUD	HHN	???	_
HU03A	0.33	271.1	Pg	07:12:43.152	-0.7					T__		246.5		---	MLv	15330177	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU03A	0.33	271.1	Lg	07:12:48.968	-0.2					T__				---		15330178	FDSN	ZJ	00	BUD	BUD	HHN	???	_
				(Station ML	:	1.6	1																	
HU02A	0.37	52.4	Pg	07:12:44.525	-0.1					T__		143.9		---	MLv	15330179	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.37	52.4	Lg	07:12:50.372	-0.6					T__				---		15330180	FDSN	ZJ	00	BUD	BUD	HHN	???	_
				(Station ML	:	1.5	0																	
KECS	0.64	24.2	Pn	07:12:52.050	0.3					T__		129.9		---	MLv	15330182	FDSN	SK	--	BUD	BUD	EHN	EHZ	_
KECS	0.64	24.2	Lg	07:13:00.233	0.8					T__				---		15330183	FDSN	SK	--	BUD	BUD	EHE	???	_
				(Station ML	:	2.0	0																	
JOS	0.67	26.5	Pn	07:12:52.367	0.3					T__		78.2		---	MLv	15330184	FDSN	ZJ	--	BUD	BUD	HHZ	HHZ	_
JOS	0.67	26.5	Lg	07:12:59.142	-1.1					T__				---		15330185	FDSN	ZJ	--	BUD	BUD	HHE	???	_
				(Station ML	:	1.8	1																	
ABAH	0.87	62.3	Pn	07:12:56.505	1.7					T__		73.1		---	MLv	15330186	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
ABAH	0.87	62.3	Sn	07:13:08.925	-0.5					T__				---		15330187	FDSN	HU	--	BUD	BUD	HHN	???	_
				(Station ML	:	1.8	1																	
VYHS	1.03	305.9	Pg	07:12:57.604	0.1					T__		34.4		---	MLv	15330188	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
VYHS	1.03	305.9	Lg	07:13:11.142	-1.3					T__				---		15330189	FDSN	SK	--	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/07/22	09:29:25.23	0.85	0.55	48.7807	20.0910	5.0	3.7	72	0.0S		17	10	109	0.40	1.45	m	sx	BUD	15307427	iLoc		129
(description : suspected quarry blast)																						
(locality : Cervena-Skala Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.2	9 ILOC	15307427

Sta	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	0.40	138.5	Pg	09:29:33.438	0.2					T__		175.1		---	MLv	15307429	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
				(Station ML	:	1.6	1																	
JOS	0.41	133.8	Pg	09:29:33.751	0.2					T__		73.0		---	MLv	15307430	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.41	133.8	Lg	09:29:39.814	-0.0					T__				---		15307431	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
				(Station ML	:	1.3	1																	
NIE	0.66	12.8	Pg	09:29:37.956	0.3					T__		19.1		---	MLv	15307432	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.66	12.8	Lg	09:29:46.480	-0.5					T__				---		15307433	FDSN	PL	--	BUD	iLoc	BHZ	???	_
				(Station ML	:	1.1	1																	
HU02A	0.72	156.2	Pg	09:29:40.476	0.4					T__		28.5		---	MLv	15307434	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.72	156.2	Lg	09:29:50.345	-1.0					T__				---		15307435	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
				(Station ML	:	1.4	1																	
PSZ	0.87	188.7	Pn	09:29:44.802	0.9					T__		44.4		---	MLv	15307436	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.87	188.7	Lg	09:29:56.708	0.0					T__				---		15307437	FDSN	GE	--	BUD	iLoc	BHE	???	_
				(Station ML	:	1.6	1																	
VYHS	0.88	251.5	Pn	09:29:43.427	-0.6					T__		8.6		---	MLv	15307438	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.88	251.5	Lg	09:29:54.966	-0.7					T__				---		15307439	FDSN	SK	--	BUD	iLoc	HHN	???	_
				(Station ML	:	0.9	0																	
ABAH	0.90	122.0	Pn	09:29:43.529	-0.5					T__		43.2		---	MLv	15307440	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.90	122.0	Sn	09:29:58.508	-0.7					T__				---		15307441	FDSN	HU	--	BUD	iLoc	HHE	???	_

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(Station ML : 1.6 1
A336A 0.91 233.4 Pn 09:29:44.052 -0.2 T__ 78.1 --- MLv 15307442 FDSN Z3 00 BUD iLoc HHZ HHZ _
A336A 0.91 233.4 Lg 09:29:57.261 -0.1 T__ --- 15307443 FDSN Z3 00 BUD iLoc HH2 ??? _
(Station ML : 1.9 0
A335A 1.21 254.7 Lg 09:30:08.169 0.4 T__ --- 15307444 FDSN Z3 00 BUD iLoc HHN ??? _
OJC 1.45 352.6 Pg 09:29:53.900 0.1 T__ 28.0 --- MLv 15307445 FDSN PL -- BUD iLoc BHZ 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
2019/07/22 10:46:17.11 0.75 1.18 47.3640 18.4006 4.7 3.2 168 0.0S 31 15 63 0.10 1.62 m sx BUD 15307483 iLoc 86
(description : suspected quarry blast)
(locality : Gánt Hungary)

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Magnitude Err Nsta Author OrigID
ML 1.8 0.1 7 ILOC 15307483

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Sta 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 0.10 269.6 Pg 10:46:20.603 0.9 T__ 6374.9 --- MLv 15307485 FDSN HU -- BUD iLoc HHZ HHZ _
CSKK 0.10 269.6 Lg 10:46:22.012 -0.2 T__ --- 15307486 FDSN HU -- BUD iLoc HHN ??? _
CSKK 0.10 269.5 Lg 10:46:22.800 0.6 T__ 64.3 --- 15307487 FDSN IR -- ISC iLoc ??? ??? _
(Station ML : 2.4 0
A269A 0.28 357.4 Lg 10:46:29.521 1.3 T__ --- 15307488 FDSN Z3 00 BUD iLoc HHN ??? _
A268A 0.33 281.9 Pn 10:46:27.656 -1.5 T__ 389.4 --- MLv 15307489 FDSN Z3 00 BUD iLoc HHZ HHZ _
A268A 0.33 281.9 Lg 10:46:31.745 1.7 T__ --- 15307490 FDSN Z3 00 BUD iLoc HHE ??? _
(Station ML : 1.8 1
A271A 0.36 125.2 Lg 10:46:33.264 1.9 T__ --- 15307491 FDSN Z3 00 BUD iLoc HHN ??? _
MPLH 0.62 252.0 Pn 10:46:31.602 -1.5 T__ 95.6 --- MLv 15307492 FDSN HU -- BUD iLoc BHZ BHZ _
MPLH 0.62 252.0 Lg 10:46:39.133 0.1 T__ --- 15307493 FDSN HU -- BUD iLoc BHE ??? _
(Station ML : 1.8 1
A270A 0.64 40.7 Pn 10:46:31.477 -0.8 T__ 148.1 --- MLv 15307494 FDSN Z3 00 BUD iLoc HHZ HHZ _
A270A 0.64 40.7 Lg 10:46:40.823 -0.1 T__ --- 15307495 FDSN Z3 00 BUD iLoc HHN ??? _
(Station ML : 2.0 1
EGYH 0.73 274.6 Pg 10:46:31.700 -0.3 T__ 0.6 --- 15307496 FDSN IR -- ISC iLoc ??? ??? _
A272A 0.73 147.9 Lg 10:46:44.326 0.5 T__ --- 15307497 FDSN Z3 00 BUD iLoc HHE ??? _
A336A 0.96 24.7 Pn 10:46:38.372 1.6 T__ 208.3 --- MLv 15307498 FDSN Z3 00 BUD iLoc HHZ HHZ _
A336A 0.96 24.7 Sn 10:46:51.937 -0.5 T__ --- 15307499 FDSN Z3 00 BUD iLoc HH3 ??? _
(Station ML : 2.4 1
PSZ 1.15 60.7 Pg 10:46:40.991 -0.4 T__ 50.7 --- MLv 15307500 FDSN GE -- BUD iLoc BHZ BHZ _
PSZ 1.15 60.7 Sn 10:46:57.058 -0.5 T__ --- 15307501 FDSN GE -- BUD iLoc BHN ??? _
PSZ 1.15 60.7 Pg 10:46:40.800 -0.6 T__ 0.1 --- 15307502 FDSN IR -- ISC iLoc ??? ??? _
PSZ 1.15 60.7 Sn 10:46:57.700 0.2 T__ 0.1 --- 15307503 FDSN IR -- ISC iLoc ??? ??? _
(Station ML : 1.8 1
MORH 1.16 171.6 Sn 10:46:56.773 -0.1 T__ --- 15307504 FDSN HU -- BUD iLoc BHE ??? _
MORH 1.16 171.7 Pn 10:46:38.800 -0.5 T__ 0.0 --- 15307505 FDSN IR -- ISC iLoc ??? ??? _
MORH 1.16 171.7 Sn 10:46:56.600 -0.3 T__ 0.0 --- 15307506 FDSN IR -- ISC iLoc ??? ??? _
VYHS 1.17 14.4 Pg 10:46:41.142 0.4 T__ 10.3 --- MLv 15307507 FDSN SK -- BUD iLoc HHZ HHZ _
VYHS 1.17 14.4 Sn 10:46:57.510 -0.4 T__ --- 15307508 FDSN SK -- BUD iLoc HHN ??? _
VYHS 1.17 14.4 Pg 10:46:41.800 1.0 T__ 0.0 --- 15307509 FDSN IR -- ISC iLoc ??? ??? _
VYHS 1.17 14.4 Sn 10:46:57.900 -0.0 T__ 0.0 --- 15307510 FDSN IR -- ISC iLoc ??? ??? _
(Station ML : 1.2 0
MODS 1.26 323.6 Sn 10:46:57.828 -2.4 T__ --- 15307511 FDSN SK -- BUD iLoc HHN ??? _
MODS 1.26 323.6 Sn 10:46:57.600 -2.6 T__ --- 15307512 FDSN IR -- ISC iLoc ??? ??? _

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KOVH	1.29	189.3	Sn	10:47:00.236	0.1	T__	---	15307513	FDSN	HU	--	BUD	iLoc	BHN	???	_
KOVH	1.29	189.3	Sn	10:47:00.500	0.3	T__	---	15307514	FDSN	IR	--	ISC	iLoc	???	???	_
HU02A	1.62	61.3	Sn	10:47:11.167	2.6	T__	---	15307515	FDSN	ZJ	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
2019/07/22	23:14:08.30			47.4900	19.5900				1.0A		9					a	ke PRU	15275994	ISC			360
2019/07/22	23:14:05.20	0.74	1.33	47.4863	19.8394	3.4	2.8	173	7.8F	6.2	70	45	34	0.32	3.29	m	ke BUD	15307553	iLoc			45

Magnitude	Err	Nsta	Author	OrigID
ML	2.2	0.1	34 ILOC	15307553

Sta	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	0.32	61.0	Pg	23:14:11.960	-0.2					T__		985.5		---	MLv	15307555	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
HU23A	0.32	61.0	Lg	23:14:17.992	0.8					T__				---		15307556	FDSN	ZJ	00	BUD	iLoc	HHN	???	_	
(Station ML : 2.2 1																									
BSZH	0.35	122.6	Pg	23:14:12.251	-0.6					T__		821.7		---	MLv	15307557	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
BSZH	0.35	122.6	Lg	23:14:18.538	0.2					T__				---		15307558	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 2.2 1																									
PSZ	0.43	4.9	Pg	23:14:14.136	-0.5					T__		662.1		---	MLv	15307559	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	0.43	4.9	Lg	23:14:20.674	-0.9					T__				---		15307560	FDSN	GE	--	BUD	iLoc	BHE	???	_	
(Station ML : 2.3 1																									
HU03A	0.45	338.9	Pg	23:14:13.858	-0.8					T__		507.2		---	MLv	15307561	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
HU03A	0.45	338.9	Lg	23:14:22.071	0.6					T__				---		15307562	FDSN	ZJ	00	BUD	iLoc	HHN	???	_	
(Station ML : 2.3 1																									
BUD	0.55	270.0	Lg	23:14:24.949	-0.5					T__				---		15307563	FDSN	HU	--	BUD	iLoc	BHZ	???	_	
A270A	0.66	303.2	Pg	23:14:18.370	-0.4					T__		130.6		---	MLv	15307564	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
(Station ML : 2.0 0																									
HU04A	0.72	200.2	Lg	23:14:30.365	-0.6					T__				---		15307565	FDSN	ZJ	00	BUD	iLoc	HHZ	???	_	
A271A	0.76	244.5	Pn	23:14:21.078	0.4					T__		342.0		---	MLv	15307566	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A271A	0.76	244.5	Sn	23:14:33.929	1.0					T__				---		15307567	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
(Station ML : 2.5 0																									
HU02A	0.79	35.7	Pg	23:14:19.737	-1.6					T__		136.7		---	MLv	15307568	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
HU02A	0.79	35.7	Lg	23:14:31.774	-1.3					T__				---		15307569	FDSN	ZJ	00	BUD	iLoc	HHE	???	_	
(Station ML : 2.1 1																									
HU05A	0.88	85.3	Pn	23:14:22.754	0.5					T__				---		15307570	FDSN	ZJ	00	BUD	iLoc	HHE	???	_	
A336A	0.94	323.2	Pg	23:14:24.377	0.3					T__		135.1		---	MLv	15307571	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
(Station ML : 2.2 1																									
A272A	0.95	219.1	Pn	23:14:23.077	-0.1					T__		298.2		---	MLv	15307572	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A272A	0.95	219.1	Sn	23:14:36.701	-0.8					T__				---		15307573	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
(Station ML : 2.5 0																									
A269A	1.00	279.3	Pg	23:14:25.504	0.6					T__		171.9		---	MLv	15307574	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A269A	1.00	279.3	Sn	23:14:39.485	0.5					T__				---		15307575	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
(Station ML : 2.3 1																									
HU24A	1.07	122.2	Pn	23:14:25.986	1.1					T__		225.8		---	MLv	15307576	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
HU24A	1.07	122.2	Lg	23:14:42.200	0.3					T__				---		15307577	FDSN	ZJ	00	BUD	iLoc	HHN	???	_	
(Station ML : 2.4 1																									
A267A	1.07	240.2	Pg	23:14:26.296	-0.3					T__		167.0		---	MLv	15307578	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A267A	1.07	240.2	Lg	23:14:41.969	-0.5					T__				---		15307579	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
(Station ML : 2.3 1																									
CSKK	1.08	264.0	Pg	23:14:26.346	-0.5					T__		118.5		---	MLv	15307580	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
CSKK	1.08	264.0	Sn	23:14:41.641	0.7					T__				---		15307581	FDSN	HU	--	BUD	iLoc	HHE	???	_	

(Station ML : 2.2 1													
KECS 1.09 23.3 Pn	23:14:26.323	1.0	T__	145.4	___ MLv	15307582	FDSN SK	-- BUD	iLoc	EHN EHZ	_		
KECS 1.09 23.3 Sn	23:14:41.233	0.3	T__		___	15307583	FDSN SK	-- BUD	iLoc	EHE ???	_		
(Station ML : 2.3 1													
JOS 1.11 24.6 Pn	23:14:25.734	0.1	T__	50.1	___ MLv	15307584	FDSN ZJ	-- BUD	iLoc	HHZ HHZ	_		
JOS 1.11 24.6 Sn	23:14:41.402	-0.1	T__		___	15307585	FDSN ZJ	-- BUD	iLoc	HHE ???	_		
(Station ML : 1.8 0													
A338A 1.13 298.4 Pg	23:14:27.805	-0.1	T__	108.8	___ MLv	15307586	FDSN Z3	00 BUD	iLoc	HHZ HHZ	_		
A338A 1.13 298.4 Lg	23:14:44.089	-1.0	T__		___	15307587	FDSN Z3	00 BUD	iLoc	HH3 ???	_		
(Station ML : 2.2 1													
HU21A 1.16 183.8 Pg	23:14:28.707	0.1	T__	113.8	___ MLv	15307588	FDSN ZJ	00 BUD	iLoc	HHZ HHZ	_		
HU21A 1.16 183.8 Sn	23:14:41.632	-0.6	T__		___	15307589	FDSN ZJ	00 BUD	iLoc	HHN ???	_		
(Station ML : 2.2 1													
VYHS 1.21 326.6 Pn	23:14:28.409	1.2	T__	7.0	___ MLv	15307590	FDSN SK	-- BUD	iLoc	HHZ HHZ	_		
(Station ML : 1.0 0													
ABAH 1.24 48.8 Pn	23:14:27.849	0.5	T__	152.0	___ MLv	15307591	FDSN HU	-- BUD	iLoc	HHZ HHZ	_		
ABAH 1.24 48.8 Pn	23:14:28.100	0.7	T__	0.2	___	15307592	FDSN IR	-- ISC	iLoc	??? ???	_		
ABAH 1.24 48.8 Sn	23:14:46.119	1.5	T__		___	15307593	FDSN HU	-- BUD	iLoc	HHE ???	_		
(Station ML : 2.4 1													
A268A 1.30 268.3 Pg	23:14:30.364	-0.6	T__	70.3	___ MLv	15307594	FDSN Z3	00 BUD	iLoc	HHZ HHZ	_		
(Station ML : 2.1 1													
A266A 1.44 228.8 Pg	23:14:33.193	-0.5	T__	206.7	___ MLv	15307595	FDSN Z3	00 BUD	iLoc	HHZ HHZ	_		
A266A 1.44 228.8 Pb	23:14:33.764	0.0	T__		___	15307596	FDSN Z3	00 BUD	iLoc	HHZ ???	_		
A266A 1.44 228.8 Lg	23:14:52.563	-1.5	T__		___	15307597	FDSN Z3	00 BUD	iLoc	HHN ???	_		
(Station ML : 2.6 0													
TIH 1.45 246.9 Pn	23:14:30.617	0.3	T__	463.5	___ MLv	15307598	FDSN HU	-- BUD	iLoc	HHZ HHZ	_		
(Station ML : 3.0 0													
HU07A 1.49 69.8 Sn	23:14:53.784	3.3	T__		___	15307599	FDSN ZJ	00 BUD	iLoc	HHN ???	_		
MORH 1.51 213.3 Pn	23:14:30.699	-0.2	T__	14.1	___ MLv	15307600	FDSN HU	-- BUD	iLoc	BHZ BHZ	_		
MORH 1.51 213.3 Sn	23:14:53.753	2.8	T__		___	15307601	FDSN HU	-- BUD	iLoc	BHN ???	_		
(Station ML : 1.5 0													
MPLH 1.60 259.4 Pn	23:14:34.083	1.8	T__	51.9	___ MLv	15307602	FDSN HU	-- BUD	iLoc	BHZ BHZ	_		
(Station ML : 2.1 1													
LANS 1.68 351.7 Lg	23:14:59.758	-0.9	T__		___	15307603	FDSN SK	-- BUD	iLoc	EHN ???	_		
EGYH 1.70 268.6 Pg	23:14:36.603	-2.1	T__	81.1	___ MLv	15307604	FDSN HU	-- BUD	iLoc	HHZ HHZ	_		
(Station ML : 2.4 1													
SIRR 1.75 133.6 Pn	23:14:33.931	-0.6	T__	22.6	___ MLv	15307605	FDSN RO	-- BUD	iLoc	BHZ BHZ	_		
(Station ML : 1.8 0													
A265A 1.76 233.6 Pn	23:14:36.763	2.3	T__	95.8	___ MLv	15307606	FDSN Z3	00 BUD	iLoc	HHZ HHZ	_		
(Station ML : 2.5 0													
KOVH 1.84 221.2 Pn	23:14:35.000	-0.6	T__		___	15307607	FDSN IR	-- ISC	iLoc	??? ???	_		
KOVH 1.84 221.2 Pn	23:14:36.957	1.4	T__	34.9	___ MLv	15307608	FDSN HU	-- BUD	iLoc	BHZ BHZ	_		
(Station ML : 2.1 1													
TRPA 1.93 69.5 Pg	23:14:41.896	-1.0	T__	37.7	___ MLv	15307609	FDSN HU	-- BUD	iLoc	BHZ BHZ	_		
TRPA 1.93 69.5 Sn	23:15:04.111	2.7	T__		___	15307610	FDSN HU	-- BUD	iLoc	BHE ???	_		
(Station ML : 2.1 1													
NIE 1.96 9.1 Pn	23:14:39.987	2.2	T__	12.6	___ MLv	15307611	FDSN PL	-- BUD	iLoc	BHZ BHZ	_		
NIE 1.96 9.1 Sn	23:15:05.661	2.8	T__		___	15307612	FDSN PL	-- BUD	iLoc	BHE ???	_		
(Station ML : 1.7 0													
JAVC 2.00 314.2 Pn	23:14:40.000	1.5	T__		___	15307613	FDSN IR	-- ISC	iLoc	??? ???	_		
DRGR 2.08 108.5 Pn	23:14:39.045	-0.3	T__	38.3	___ MLv	15307614	FDSN RO	-- BUD	iLoc	BHZ BHZ	_		
DRGR 2.08 108.5 Lg	23:15:11.455	-2.1	T__		___	15307615	FDSN RO	-- BUD	iLoc	BHN ???	_		
(Station ML : 2.2 1													

BZS	2.24	145.7	Pn	23:14:41.233	-0.2	T__	30.5	---	MLv	15307616	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
(Station ML : 2.2 1																			
MAUC	2.31	325.3	Pn	23:14:46.300	3.6	T__		---		15307617	FDSN	IR	--	ISC	iLoc	???	???	_	
FRGS	2.33	180.5	Pn	23:14:43.400	1.0	T__		---		15307618	FDSN	IR	--	ISC	iLoc	???	???	_	
MORC	2.75	327.2	Pn	23:14:50.100	1.2	T__		---		15307619	FDSN	IR	--	ISC	iLoc	???	???	_	
KRUC	2.79	305.7	Pn	23:14:49.900	0.7	T__		---		15307620	FDSN	IR	--	ISC	iLoc	???	???	_	
VRAC	2.83	311.3	Pn	23:14:50.600	0.8	T__		---		15307621	FDSN	IR	--	ISC	iLoc	???	???	_	
VRAC	2.83	311.3	Pn	23:14:51.653	1.8	T__	27.0	---	MLv	15307622	FDSN	CZ	--	BUD	iLoc	HHZ	HHZ	_	
(Station ML : 2.5 0																			
GZR	2.92	134.8	Pn	23:14:51.231	-0.0	T__	21.5	---	MLv	15307623	FDSN	RO	--	BUD	iLoc	HHZ	HHZ	_	
(Station ML : 2.5 1																			
KRLC	3.29	323.2	Pn	23:14:59.700	3.4	T__		---		15307624	FDSN	IR	--	ISC	iLoc	???	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/07/24	05:53:21.58	0.23	0.87	47.3638	18.3321	3.2	2.7	100	0.0A	0.0	19	15	63	0.05	1.87	m	sx	BUD	15249586	scolv@krszo		360
2019/07/24	05:53:19.28	0.89	1.10	47.3781	18.3818	5.2	3.4	152	0.0S		25	17	63	0.08	1.83	m	sx	BUD_GT	15307781	iLoc		109

(GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)
(description : suspected quarry blast)
(locality : Gánt Hungary)

Magnitude	Err	Nsta	Author	OrigID
M	1.9	6	BUD	15249586
MLv	1.9 0.2	6	BUD	15249586
ML	2.0 0.1	8	ILOC	15307781

Sta	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	259.8	Pg	05:53:21.621	0.0					T__		3260.0	---	MLv		15307783	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.08	259.8	Lg	05:53:22.711	-1.2					T__			---			15307784	FDSN	HU	--	BUD	iLoc	HHN	???	_
CSKK	0.08	259.7	Lg	05:53:23.800	-0.1					T__	32.9		---			15307785	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.0 1																								
A269A	0.26	0.1	Lg	05:53:30.249	0.3					T__			---			15307786	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A268A	0.32	279.9	Pg	05:53:27.013	0.9					T__	153.2		---	MLv		15307787	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A268A	0.32	279.9	Lg	05:53:30.872	-0.9					T__			---			15307788	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 1.4 0																								
A271A	0.38	125.8	Lg	05:53:34.642	0.5					T__			---			15307789	FDSN	Z3	00	BUD	iLoc	HHN	???	_
TIH	0.58	215.1	Sn	05:53:42.100	-3.0					T__			---			15307790	FDSN	IR	--	ISC	iLoc	???	???	_
MPLH	0.61	250.4	Pg	05:53:32.025	0.3					T__	72.7		---	MLv		15307791	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.61	250.4	Pg	05:53:32.400	0.6					T__	0.1		---			15307792	FDSN	IR	--	ISC	iLoc	???	???	_
MPLH	0.61	250.4	Sn	05:53:43.400	-2.3					T__	0.1		---			15307793	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.7 1																								
A270A	0.64	42.4	Lg	05:53:42.587	-0.4					T__			---			15307794	FDSN	Z3	00	BUD	iLoc	HHN	???	_
EGYH	0.71	273.5	Sn	05:53:48.000	-0.3					T__			---			15307795	FDSN	IR	--	ISC	iLoc	???	???	_
A266A	0.86	185.4	Pn	05:53:37.003	-0.3					T__	275.0		---	MLv		15307796	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A266A	0.86	185.4	Sn	05:53:50.542	-1.2					T__			---			15307797	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 2.4 0																								
A336A	0.95	25.7	Sn	05:53:54.642	0.2					T__			---			15307798	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A335A	1.07	358.4	Pg	05:53:41.534	0.6					T__	78.8		---	MLv		15307799	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A335A	1.07	358.4	Lg	05:53:57.294	-0.1					T__			---			15307800	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 2.0 1																								
PSZ	1.16	61.6	Pn	05:53:42.063	0.2					T__	101.2		---	MLv		15307801	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.1 1																								

MORH	1.18	171.1	Sn	05:53:58.334	-1.1	T__								15307802	FDSN	HU	--	BUD	iLoc	BHN	???	_	
MORH	1.18	171.1	Sn	05:53:58.100	-1.4	T__								15307803	FDSN	IR	--	ISC	iLoc	???	???	_	
MODS	1.24	323.6	Sn	05:54:01.046	-0.8	T__								15307804	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KOVH	1.30	188.6	Sn	05:54:03.004	0.4	T__								15307805	FDSN	HU	--	BUD	iLoc	BHE	???	_	
HU02A	1.63	62.0	Pg	05:53:50.889	-1.5	T__				34.7		MLv		15307806	FDSN	ZJ	00	BUD	iLoc	HHN	HHZ	_	
				(Station ML : 1.9 1																			
JOS	1.83	51.6	Pg	05:53:55.142	-0.4	T__				22.4		MLv		15307807	FDSN	ZJ	--	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
 2019/07/24 07:23:02.10 1.17 1.09 47.3317 18.3558 6.5 5.2 102 0.0S 8 6 119 0.07 1.79 m sx BUD 15307763 iLoc 228
 (description : suspected quarry blast)
 (locality : Gánt Hungary)

Magnitude Err Nsta Author OrigID

Sta	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	296.0	Pg	07:23:04.216	-0.0	T__						2155.9		---	MLv	15307765	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.07	296.0	Lg	07:23:05.861	-0.5	T__								---		15307766	FDSN	HU	--	BUD	iLoc	HHE	???	_
A269A	0.31	3.3	Pg	07:23:09.512	0.8	T__						394.2		---	MLv	15307767	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A269A	0.31	3.3	Lg	07:23:12.515	-1.9	T__								---		15307768	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A268A	0.31	288.9	Lg	07:23:15.285	0.9	T__								---		15307769	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MORH	1.13	169.8	Lg	07:23:40.506	-0.5	T__								---		15307770	FDSN	HU	--	BUD	iLoc	BHE	???	_
PSZ	1.19	60.0	Sn	07:23:43.070	-0.5	T__								---		15307771	FDSN	GE	--	BUD	iLoc	HHE	???	_
CONA	1.79	290.4	Sn	07:23:58.069	0.4	T__								---		15307772	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
 2019/07/25 08:29:33.23 1.58 1.71 48.3324 19.0359 4.4 4.3 130 0.0A 6 164 0.21 1.17 a kx KRSZO 15276030 ISC 360
 2019/07/25 08:29:33.09 1.06 1.25 48.3680 19.1019 14.5 3.5 22 0.0S 10 6 140 0.22 1.22 m sx BUD 15307844 iLoc 167
 (description : suspected quarry blast)
 (locality : Krupina Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.5 0.1 3 ILOC 15307844

Sta	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	0.22	305.6	Lg	08:29:40.426	-0.9	T__								---		15307846	FDSN	IR	--	ISC	iLoc	???	???	_	
VYHS	0.22	305.6	Pg	08:29:38.368	0.6	T__						185.3		---	MLv	15307847	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_	
VYHS	0.22	305.6	Lg	08:29:41.540	0.3	T__								---		15307848	FDSN	SK	--	BUD	iLoc	HHN	???	_	
				(Station ML : 1.2 1																					
PSZ	0.70	130.0	Lg	08:29:58.401	-0.2	T__								---		15307849	FDSN	GE	--	BUD	iLoc	BHZ	???	_	
JOS	0.96	81.9	Pg	08:29:52.670	0.5	T__						37.7		---	MLv	15307850	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_	
JOS	0.96	81.9	Lg	08:30:06.155	-0.6	T__								---		15307851	FDSN	ZJ	--	BUD	iLoc	HHN	???	_	
				(Station ML : 1.6 1																					
HU02A	0.98	104.0	Pn	08:29:53.755	0.6	T__						31.3		---	MLv	15307852	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
HU02A	0.98	104.0	Lg	08:30:07.145	-1.1	T__								---		15307853	FDSN	ZJ	00	BUD	iLoc	HHN	???	_	
				(Station ML : 1.5 1																					
JAVC	1.07	297.9	Lg	08:30:09.398	-1.7	T__								---		15307854	FDSN	CZ	--	BUD	iLoc	HHE	???	_	
MODS	1.22	270.9	Sn	08:30:13.112	-2.2	T__								---		15307855	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
2019/07/26	11:14:21.16	1.03	0.22	46.1218	21.7011	21.4	4.0	88	5.0A		6	3	164	0.15	0.97	m	ke BUD	15307869	iLoc			303

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.3	3 ILOC	15307869

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
SIRR	0.15	349.6	Pg	11:14:24.529	-0.0					T__		713.6		---	MLv	15307871	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.15	349.6	Lg	11:14:27.321	0.1					T__				---		15307872	FDSN	RO	--	BUD	iLoc	BHE	???	_
				(Station ML : 1.6 1																				
BZS	0.50	184.9	Pg	11:14:31.246	0.2					T__		33.4		---	MLv	15307873	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.50	184.9	Lg	11:14:38.008	-0.3					T__				---		15307874	FDSN	RO	--	BUD	iLoc	BHE	???	_
				(Station ML : 1.2 1																				
DRGR	0.97	45.8	Pn	11:14:40.508	0.1					T__		54.8		---	MLv	15307875	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.97	45.8	Lg	11:14:53.740	-0.1					T__				---		15307876	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
2019/07/27	06:29:07.47	1.14	0.36	46.1106	18.1015	9.5	3.4	118	0.0S		8	5	114	0.02	1.13	m	sx BUD	15307890	iLoc			167

(description : suspected quarry blast)
(locality : Bükkösd-II Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.3	3 ILOC	15307890

Sta	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	182.8	Pg	06:29:08.502	0.0					T__		1294.0		---	MLv	15307892	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.02	182.8	Lg	06:29:09.757	-0.0					T__				---		15307893	FDSN	HU	--	BUD	iLoc	BHN	???	_
				(Station ML : 1.5 1																				
A273A	0.28	225.8	Lg	06:29:17.749	-0.1					T__				---		15307894	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MORH	0.39	74.2	Pg	06:29:15.782	0.0					T__		10.4		---	MLv	15307895	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	0.39	74.2	Lg	06:29:22.159	-0.1					T__				---		15307896	FDSN	HU	--	BUD	iLoc	BHN	???	_
				(Station ML : 0.4 1																				
A266A	0.43	15.2	Lg	06:29:23.593	0.0					T__				---		15307897	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MPLH	1.13	340.1	Pn	06:29:29.489	0.2					T__		35.8		---	MLv	15307898	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	1.13	340.1	Sn	06:29:45.205	-0.8					T__				---		15307899	FDSN	HU	--	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
2019/07/27	09:21:04.59	1.21	0.45	45.9813	22.7659	10.1	6.8	63	16.1F	10.6	11	6	129	0.13	0.88	m	ke BUD	15307945	iLoc			196

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.0	5 ILOC	15307945

Sta	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	135.6	Pg	09:21:08.341	-0.0					T__		642.2		---	MLv	15307947	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DEV	0.13	135.6	Lg	09:21:11.030	-0.0					T__				---		15307948	FDSN	RO	--	BUD	iLoc	BHN	???	_


```

(Station ML : 1.5 1
GZR 0.59 179.3 Pg 09:21:16.373 0.2 T__ 46.4 ___ MLv 15307949 FDSN RO -- BUD iLoc BHZ BHZ _
GZR 0.59 179.3 Lg 09:21:24.668 0.1 T__ ___ 15307950 FDSN RO -- BUD iLoc BHZ ??? _
(Station ML : 1.5 1
DRGR 0.81 357.3 Pn 09:21:21.360 0.6 T__ 55.8 ___ MLv 15307951 FDSN RO -- BUD iLoc BHZ BHZ _
DRGR 0.81 357.3 Lg 09:21:32.056 -0.0 T__ ___ 15307952 FDSN RO -- BUD iLoc BHN ??? _
(Station ML : 1.7 0
SIRR 0.82 290.7 Pn 09:21:20.351 -0.4 T__ 21.5 ___ MLv 15307953 FDSN RO -- BUD iLoc BHZ BHZ _
SIRR 0.82 290.7 Lg 09:21:32.361 0.4 T__ ___ 15307954 FDSN RO -- BUD iLoc BHN ??? _
(Station ML : 1.3 0
BZS 0.87 245.7 Pg 09:21:21.110 -0.3 T__ 22.5 ___ MLv 15307955 FDSN RO -- BUD iLoc BHZ BHZ _
BZS 0.87 245.7 Sn 09:21:34.087 -0.3 T__ ___ 15307956 FDSN RO -- BUD iLoc BHN ??? _
(Station ML : 1.3 1
LOT 0.88 126.9 Lg 09:21:34.009 -0.7 T__ ___ 15307957 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
2019/07/27 09:21:47.04 1.01 0.34 45.9754 22.6921 7.5 5.5 94 7.0F 18.7 9 5 120 0.17 0.82 m ke BUD 15307913 iLoc 189

```

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Magnitude Err Nsta Author OrigID
ML 1.5 0.3 5 ILOC 15307913

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```

Sta 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 0.17 121.5 Pg 09:21:50.391 -0.1 T__ 1011.5 ___ MLv 15307915 FDSN RO -- BUD iLoc BHZ BHZ _
DEV 0.17 121.5 Lg 09:21:53.139 0.1 T__ ___ 15307916 FDSN RO -- BUD iLoc BHN ??? _
(Station ML : 1.8 0
GZR 0.59 174.2 Pg 09:21:58.483 0.1 T__ 46.7 ___ MLv 15307917 FDSN RO -- BUD iLoc BHZ BHZ _
GZR 0.59 174.2 Lg 09:22:06.778 0.0 T__ ___ 15307918 FDSN RO -- BUD iLoc BHN ??? _
(Station ML : 1.5 1
SIRR 0.77 292.4 Pg 09:22:02.605 -0.0 T__ 21.7 ___ MLv 15307919 FDSN RO -- BUD iLoc BHZ BHZ _
SIRR 0.77 292.4 Lg 09:22:13.699 0.2 T__ ___ 15307920 FDSN RO -- BUD iLoc BHE ??? _
(Station ML : 1.3 0
DRGR 0.82 0.9 Pg 09:22:03.470 0.2 T__ 55.8 ___ MLv 15307921 FDSN RO -- BUD iLoc BHZ BHZ _
DRGR 0.82 0.9 Lg 09:22:14.463 -0.6 T__ ___ 15307922 FDSN RO -- BUD iLoc BHE ??? _
(Station ML : 1.7 1
BZS 0.82 244.5 Pg 09:22:02.758 -0.2 T__ 22.1 ___ MLv 15307923 FDSN RO -- BUD iLoc BHZ BHZ _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2019/07/28 07:23:02.90 0.20 46.2290 16.6490 10.8A a ke LJU 15276041 ISC 360
2019/07/28 07:23:01.65 0.48 0.53 46.2517 16.7376 3.0 2.6 105 10.0F 0.0 18 1 1.30 1.48 a ke VIE 15276037 ISC 360
2019/07/28 07:23:02.40 0.98 0.74 46.2132 16.7114 6.3 4.2 163 7.6F 9.2 22 12 142 0.26 1.51 m ke BUD 15307979 iLoc 150

```

```

Magnitude Err Nsta Author OrigID
ML 1.1 LJU 15276041
mb 1.8 VIE 15276037
ml 1.5 VIE 15276037
ML 2.0 0.2 6 ILOC 15307979

```

```

Sta 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	0.26	9.8 Pg	07:23:08.322	0.3	T__	157.6	---	MLv	15307981	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BEHE	0.26	9.8 Lg	07:23:12.138	0.2	T__		---		15307982	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.2 0																	
KOGS	0.40	306.5 Pg	07:23:10.160	-0.3	T__		---		15307983	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.40	306.5 IAML	07:23:18.150	-99.0	---	6.2	0.06	---	15307984	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.40	306.5 Pg	07:23:10.581	0.2	T__	293.2		---	15307985	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.40	306.5 Lg	07:23:15.251	-0.5	T__			---	15307986	FDSN	SL	--	BUD	iLoc	BHE	???	_
(Station ML : 1.9 1																	
A264A	0.40	97.4 Lg	07:23:15.701	-0.7	T__			---	15307987	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A263A	0.60	44.1 Pg	07:23:14.795	0.3	T__	179.2		---	15307988	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A263A	0.60	44.1 Sn	07:23:25.070	-1.1	T__			---	15307989	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 2.1 1																	
PTJ	0.60	239.7 Lg	07:23:23.234	0.7	T__			---	15307990	FDSN	CR	--	BUD	iLoc	BHE	???	_
A262A	0.66	349.0 Pn	07:23:16.412	-0.7	T__	292.4		---	15307991	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.3 1																	
GOLS	0.78	255.4 Pg	07:23:17.490	-0.1	T__			---	15307992	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.78	255.4 Lg	07:23:28.760	-0.0	T__			---	15307993	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.78	255.4 IAML	07:23:31.420	-99.0	---	2.5	0.12	---	15307994	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.87	266.2 Pg	07:23:18.830	-0.1	T__			---	15307995	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.96	246.6 Pn	07:23:21.401	-0.2	T__	315.1		---	15307996	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.96	246.6 Lg	07:23:35.108	0.3	T__			---	15307997	FDSN	SL	--	BUD	iLoc	BHN	???	_
(Station ML : 2.5 0																	
ARSA	1.32	322.2 Pg	07:23:29.033	1.9	T__	37.9		---	15307998	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
ARSA	1.32	322.2 Sn	07:23:42.781	-0.7	T__			---	15307999	FDSN	OE	--	BUD	iLoc	BHE	???	_
ARSA	1.32	322.2 Pg	07:23:27.345	0.2	T__	0.4	0.32	---	15308000	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.32	322.2 Lg	07:23:44.231	-0.3	T__	1.0	0.38	---	15308001	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.8 1																	
MORH	1.34	89.2 Sn	07:23:45.301	1.2	T__			---	15308002	FDSN	HU	--	BUD	iLoc	BHN	???	_
RONA	1.51	349.3 Pg	07:23:30.585	-0.7	T__	0.3	0.20	---	15308003	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.51	349.3 Lg	07:23:50.545	-0.4	T__	2.0	0.48	---	15308004	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/07/28	22:59:04.70	0.06	0.19	47.9290	16.9985	0.5	0.4	353	7.1F	0.9	29	66	0.17	1.89	a	ke	IPEC	15276070	ISC			360
2019/07/28	22:59:08.70			47.9800	16.9000				10.0A		14					a	ke	PRU	15276073	ISC		360
2019/07/28	22:59:04.71	0.20	0.51	47.9519	16.9451	1.6	1.3	82	10.7F	1.6	38	1	0.50	1.80	a	ke	VIE	15276075	ISC			360
2019/07/28	22:59:03.97	0.74	1.03	47.9702	17.0035	3.5	2.8	160	6.1F	9.5	54	29	35	0.44	2.55	m	ke	BUD	15326333	iLoc		61

Magnitude	Err	Nsta	Author	OrigID
ML	1.3		IPEC	15276070
mb	1.4		VIE	15276075
m1	1.7		VIE	15276075
ML	1.8	0.1	13 ILOC	15326333

Sta	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	0.44	24.3	Pg	22:59:11.079	-2.0					T__						15326335	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.44	24.3	Lg	22:59:17.757	-2.3					T__						15326336	FDSN	SK	--	BUD	iLoc	HHN	???	_
A339A	0.46	107.6	Pg	22:59:14.271	0.9					T__	154.1			---	MLv	15326337	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A339A	0.46	107.6	Lg	22:59:21.749	1.2					T__					---	15326338	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 1.8 1																								
RONA	0.55	240.7	Pg	22:59:14.652	-0.4					T__		0.8	0.10	---		15326339	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.55	240.7	Lg	22:59:21.414	-1.0					T__		5.7	0.20	---		15326340	FDSN	IR	--	ISC	iLoc	???	???	_

A337A	0.59	62.2	Lg	22:59:26.158	1.0	T__			15326341	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
EGYH	0.60	158.1	Pg	22:59:16.100	0.1	T__	119.4	---	MLv	15326342	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
EGYH	0.60	158.1	Lg	22:59:23.631	-1.0	T__		---		15326343	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.9 1																		
A260A	0.72	196.4	Lg	22:59:28.076	0.3	T__		---		15326344	FDSN	Z3	00	BUD	iLoc	HHE	???	_
CONA	0.77	267.3	Pg	22:59:19.389	0.1	T__	35.0	---	MLv	15326345	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
CONA	0.77	267.3	Lg	22:59:29.807	0.4	T__		---		15326346	FDSN	OE	--	BUD	iLoc	BHN	???	_
CONA	0.77	267.3	Pg	22:59:19.203	-0.1	T__	0.5	0.10	---	15326347	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.5 0																		
A334A	0.78	35.0	Pn	22:59:21.351	0.7	T__	40.1	---	MLv	15326348	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.5 1																		
A268A	0.82	130.6	Lg	22:59:32.300	-0.6	T__		---		15326349	FDSN	Z3	00	BUD	iLoc	HHN	???	_
SR0	0.90	99.6	Sn	22:59:35.021	-0.9	T__		---		15326350	FDSN	SK	--	BUD	iLoc	EHN	???	_
A011B	0.90	231.9	Pg	22:59:21.072	-0.6	T__	37.9	---	MLv	15326351	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A011B	0.90	231.9	Lg	22:59:32.723	-0.3	T__		---		15326352	FDSN	Z3	00	BUD	iLoc	HH3	???	_
(Station ML : 1.6 1																		
A338A	0.91	86.7	Pn	22:59:22.199	-0.0	T__	121.9	---	MLv	15326353	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A338A	0.91	86.7	Sn	22:59:35.036	-1.2	T__		---		15326354	FDSN	Z3	00	BUD	iLoc	HH2	???	_
(Station ML : 2.1 0																		
A269A	0.99	109.1	Sn	22:59:37.098	-1.0	T__		---		15326355	FDSN	Z3	00	BUD	iLoc	HHE	???	_
JAVC	0.99	26.3	Pn	22:59:24.736	0.8	T__		---		15326356	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
A335A	1.01	61.3	Sn	22:59:37.860	-1.2	T__		---		15326357	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A006A	1.01	320.0	Pn	22:59:24.560	0.6	T__	60.8	---	MLv	15326358	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A006A	1.01	320.0	Lg	22:59:38.564	0.3	T__		---		15326359	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 1.8 1																		
A012A	1.02	249.6	Pg	22:59:24.565	0.3	T__	62.5	---	MLv	15326360	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A012A	1.02	249.6	Lg	22:59:37.982	0.9	T__		---		15326361	FDSN	Z3	00	BUD	iLoc	HH3	???	_
(Station ML : 1.9 1																		
KRUC	1.17	339.9	Pg	22:59:26.895	0.7	T__		---		15326362	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	1.17	339.9	Sn	22:59:42.861	0.4	T__		---		15326363	FDSN	CZ	--	BUD	iLoc	BHN	???	_
ARSA	1.23	234.8	Pn	22:59:27.250	0.1	T__	0.1	0.10	---	15326364	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.23	234.8	Lg	22:59:43.379	0.1	T__	3.6	0.38	---	15326365	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.23	234.8	Pn	22:59:27.046	-0.1	T__	59.0	---	MLv	15326366	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
ARSA	1.23	234.8	Lg	22:59:43.564	0.3	T__		---		15326367	FDSN	OE	--	BUD	iLoc	BHE	???	_
(Station ML : 2.0 1																		
A007A	1.24	307.7	Pn	22:59:27.791	0.7	T__	46.5	---	MLv	15326368	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A007A	1.24	307.7	Sn	22:59:44.327	0.2	T__		---		15326369	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 1.9 1																		
A332A	1.28	48.8	Pg	22:59:29.627	0.1	T__	35.5	---	MLv	15326370	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A332A	1.28	48.8	Sn	22:59:45.106	-0.8	T__		---		15326371	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 1.8 1																		
VYHS	1.33	66.2	Pn	22:59:30.290	2.0	T__	5.9	---	MLv	15326372	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.33	66.2	Sn	22:59:48.234	1.1	T__		---		15326373	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.0 0																		
A263A	1.35	170.8	Pg	22:59:29.953	-0.3	T__	137.7	---	MLv	15326374	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.4 0																		
VRAC	1.37	348.7	Pn	22:59:30.000	1.1	T__		---		15326375	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.37	348.7	Pn	22:59:30.000	1.1	T__		---		15326376	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.37	348.7	Sn	22:59:48.200	0.7	T__	2.6	0.29	---	15326377	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.37	348.7	Sn	22:59:48.300	0.7	T__		---		15326378	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.37	348.7	Pg	22:59:30.334	0.7	T__		---		15326379	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.37	348.7	Sn	22:59:48.635	1.1	T__		---		15326380	FDSN	CZ	--	BUD	iLoc	BHN	???	_
TREC	1.66	323.4	Sn	22:59:56.200	1.9	T__		---		15326381	FDSN	IR	--	ISC	iLoc	???	???	_

MORC	1.84	10.9	Pn	22:59:36.800	1.2	T__									15326382	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	1.84	10.9	Pg	22:59:36.900	-2.2	T__									15326383	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	1.84	10.9	Sn	22:59:59.600	-0.4	T__									15326384	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	1.84	10.9	Sn	22:59:59.600	-0.4	T__									15326385	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	1.85	267.3	Pn	22:59:36.339	0.4	T__				0.4	0.16				15326386	FDSN	IR	--	ISC	iLoc	???	???	_
CKRC	1.99	296.3	Pg	22:59:40.362	-1.1	T__									15326387	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KHC	2.55	298.3	Pg	22:59:49.700	-2.5	T__									15326388	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/07/29	10:29:00.84	0.98	0.38	47.0949	18.0028	6.8	3.5	105	0.0S		9	6	148	0.21	1.52	m	sx	BUD	15308152	iLoc		197
(description : suspected quarry blast)																						
(locality : Tótvázsony Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.0	3 ILOC	15308152

Sta	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	0.21	202.0	Pg	10:29:05.580	-0.0					T__		1125.6			MLv	15308154	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TIH	0.21	202.0	Lg	10:29:09.429	-0.0					T__						15308155	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.9 1																								
CSKK	0.32	33.1	Pg	10:29:08.012	0.2					T__		535.5			MLv	15308156	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.32	33.1	Lg	10:29:13.058	-0.7					T__						15308157	FDSN	HU	--	BUD	iLoc	HHZ	???	_
(Station ML : 1.9 1																								
A268A	0.34	350.9	Lg	10:29:14.311	0.1					T__						15308158	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A267A	0.36	114.2	Lg	10:29:14.696	-0.1					T__						15308159	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MORH	0.98	153.1	Pg	10:29:20.656	0.2					T__		32.3			MLv	15308160	FDSN	HU	--	BUD	iLoc	HHE	HHZ	_
MORH	0.98	153.1	Lg	10:29:34.918	0.0					T__						15308161	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.6 1																								
PSZ	1.52	56.6	Sn	10:29:49.795	-0.5					T__						15308162	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
2019/07/30	09:32:35.20	1.10	0.95	48.5207	20.7495	7.9	3.4	6	0.0S		16	9	157	0.14	1.61	m	sx	BUD	15308183	iLoc		197
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.3	8 ILOC	15308183

Sta	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	260.0	Pg	09:32:38.235	-0.1					T__		308.5			MLv	15308185	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.14	260.0	Lg	09:32:41.207	0.4					T__						15308186	FDSN	ZJ	--	BUD	iLoc	HHN	???	_
(Station ML : 1.2 1																								
KECS	0.18	258.0	Pg	09:32:38.765	-0.3					T__		557.7			MLv	15308187	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.18	258.0	Lg	09:32:42.674	0.6					T__						15308188	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 1.5 1																								
ABAH	0.40	124.3	Pg	09:32:43.133	-0.2					T__		54.7			MLv	15308189	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.40	124.3	Lg	09:32:50.685	0.4					T__						15308190	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.1 0																								

HU02A	0.43	200.7	Pg	09:32:44.255	-0.0	T__	48.2	---	MLv	15308191	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.43	200.7	Lg	09:32:51.227	-0.1	T__		---		15308192	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 1.2 1																		
PSZ	0.83	223.8	Pg	09:32:52.673	-0.1	T__	51.7	---	MLv	15308193	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.83	223.8	Lg	09:33:05.200	-0.1	T__		---		15308194	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.7 1																		
KOLS	1.09	67.2	Lg	09:33:12.154	-0.6	T__		---		15308195	FDSN	SK	--	BUD	iLoc	HHN	???	_
TRPA	1.26	107.4	Pg	09:33:00.054	0.6	T__	17.0	---	MLv	15308196	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
TRPA	1.26	107.4	Sn	09:33:16.221	-1.7	T__		---		15308197	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.4 1																		
VYHS	1.27	269.5	Pn	09:32:58.748	-0.6	T__	12.0	---	MLv	15308198	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.27	269.5	Sn	09:33:15.970	-2.5	T__		---		15308199	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.3 1																		
A335A	1.61	268.3	Pn	09:33:03.589	-0.4	T__	38.7	---	MLv	15308200	FDSN	Z3	00	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
2019/07/31	06:46:20.72	5.80	0.63	47.3125	18.4016	42.2	21.9	75	0.0S		5	5	186	0.33	1.22	m	sx BUD	15308176	iLoc			299
(description : suspected quarry blast)																						
(locality : Gánt Hungary)																						

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A269A	0.33	357.7	Lg	06:46:33.653	-0.0					T__						15308178	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A270A	0.68	37.9	Sn	06:46:48.250	-0.8					T__						15308179	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MORH	1.11	171.3	Sn	06:46:59.437	0.2					T__						15308180	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	1.18	58.5	Sn	06:47:01.435	-0.3					T__						15308181	FDSN	GE	--	BUD	iLoc	HHE	???	_
VYHS	1.22	13.7	Lg	06:47:03.231	0.1					T__						15308182	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	
2019/07/31	08:17:47.50	1.03	0.92	47.3616	18.4097	7.0	4.0	151	0.0S		16	12	111	0.10	1.17	m	sx BUD	15308234	iLoc				131
(description : suspected quarry blast)																							
(locality : Gánt Hungary)																							

Magnitude Err Nsta Author OrigID
ML 1.9 0.7 5 ILOC 15308234

Sta	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	271.0	Pg	08:17:50.240	0.1					T__		15962.0			MLv	15308236	FDSN	HU	--	BUD	iLoc	HHN	HHZ	_
CSKK	0.10	271.0	Lg	08:17:52.087	-0.7					T__						15308237	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 2.8 0																								
A269A	0.28	356.2	Lg	08:17:59.029	0.3					T__						15308238	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A268A	0.34	282.1	Lg	08:18:00.893	0.2					T__						15308239	FDSN	Z3	00	BUD	iLoc	HHN	???	_
TIH	0.58	217.8	Sn	08:18:10.834	-2.5					T__						15308240	FDSN	HU	--	BUD	iLoc	HHN	???	_
A270A	0.64	40.2	Lg	08:18:11.577	0.4					T__						15308241	FDSN	Z3	00	BUD	iLoc	HHE	???	_
EGYH	0.73	274.7	Sn	08:18:15.783	-1.1					T__						15308242	FDSN	HU	--	BUD	iLoc	HHN	???	_
A266A	0.84	186.8	Sn	08:18:19.582	0.0					T__						15308243	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A336A	0.96	24.3	Pn	08:18:08.540	1.4					T__		206.1			MLv	15308244	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_

```

(Station ML : 2.3 1
A335A 1.09 357.4 Sn 08:18:26.285 0.0 T__
PSZ 1.15 60.4 Pg 08:18:11.041 -0.6 T__ 51.6 --- MLv 15308246 FDSN GE -- BUD iLoc BHZ BHZ _
PSZ 1.15 60.4 Sn 08:18:27.761 -0.1 T__ --- 15308247 FDSN GE -- BUD iLoc BHN ??? _
(Station ML : 1.9 1
MORH 1.16 171.9 Pg 08:18:10.841 0.3 T__ 17.7 --- MLv 15308248 FDSN HU -- BUD iLoc BHZ BHZ _
MORH 1.16 171.9 Sn 08:18:26.857 -0.3 T__ --- 15308249 FDSN HU -- BUD iLoc BHE ??? _
(Station ML : 1.4 1
VYHS 1.17 14.0 Pg 08:18:11.292 0.1 T__ 15.5 --- MLv 15308250 FDSN SK -- BUD iLoc HHZ HHZ _
VYHS 1.17 14.0 Lg 08:18:27.761 -0.5 T__ --- 15308251 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
2019/07/31 10:30:56.63 2.65 1.09 47.4142 18.3614 33.9 4.7 120 0.0S 5 4 169 0.09 1.15 m sx BUD 15308273 iLoc 300
(description : suspected quarry blast)
(locality : Gánt Hungary)

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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 0.09 233.4 Pg 10:30:59.181 0.2 T__ 126.7 --- MLv 15308275 FDSN HU -- BUD iLoc HHE HHZ _
CSKK 0.09 233.4 Lg 10:31:00.962 -0.4 T__ --- 15308276 FDSN HU -- BUD iLoc HHN ??? _
A269A 0.22 3.6 Lg 10:31:06.010 -0.0 T__ --- 15308277 FDSN Z3 00 BUD iLoc HHE ??? _
VYHS 1.13 16.3 Lg 10:31:35.656 -0.2 T__ --- 15308278 FDSN SK -- BUD iLoc HHN ??? _
PSZ 1.15 63.5 Sn 10:31:35.606 -1.5 T__ --- 15308279 FDSN GE -- 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
2019/07/31 11:04:53.62 1.33 0.89 48.5598 20.7680 10.8 4.3 1 0.0S 11 7 93 0.17 1.06 m sx BUD 15308284 iLoc 180
(description : suspected quarry blast)
(locality : Dvorniky-Vcelare Slovakia)

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```
Magnitude Err Nsta Author OrigID
ML 1.5 0.1 5 ILOC 15308284
```

```

Sta 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 0.17 247.3 Pg 11:04:57.298 0.1 T__ 461.4 --- MLv 15308286 FDSN ZJ -- BUD iLoc HHZ HHZ _
JOS 0.17 247.3 Lg 11:05:00.919 1.0 T__ --- 15308287 FDSN ZJ -- BUD iLoc HHE ??? _
(Station ML : 1.4 1
KECS 0.20 247.9 Pg 11:04:57.962 0.1 T__ 574.4 --- MLv 15308288 FDSN SK -- BUD iLoc EHN EHZ _
KECS 0.20 247.9 Lg 11:05:00.824 -0.4 T__ --- 15308289 FDSN SK -- BUD iLoc EHE ??? _
(Station ML : 1.6 1
ABAH 0.41 129.9 Pg 11:05:02.354 0.3 T__ 72.1 --- MLv 15308290 FDSN HU -- BUD iLoc HHZ HHZ _
(Station ML : 1.3 0
HU02A 0.47 200.4 Lg 11:05:10.525 -0.6 T__ --- 15308291 FDSN ZJ 00 BUD iLoc HHE ??? _
PSZ 0.87 222.6 Pn 11:05:11.820 -0.3 T__ 46.5 --- MLv 15308292 FDSN GE -- BUD iLoc BHZ BHZ _
PSZ 0.87 222.6 Lg 11:05:24.397 -0.6 T__ --- 15308293 FDSN GE -- BUD iLoc BHE ??? _
(Station ML : 1.7 0
NIE 0.91 341.0 Pn 11:05:12.322 -0.5 T__ 31.9 --- MLv 15308294 FDSN PL -- BUD iLoc BHZ BHZ _
NIE 0.91 341.0 Sn 11:05:26.581 -1.8 T__ --- 15308295 FDSN PL -- BUD iLoc BHN ??? _

```

(Station ML : 1.5 1
 KOLS 1.06 68.9 Lg 11:05:29.372 -1.0 T__ --- 15308296 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
 2019/08/01 08:11:52.70 1.18 0.81 48.5664 20.7690 8.7 3.3 3 0.0S 23 10 161 0.17 1.31 m sx BUD 15308318 iLoc 182
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.3 0.1 6 ILOC 15308318

Sta	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	245.3	Pg	08:11:56.431	0.1					T__		329.3		---	MLv	15308320	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_		
JOS	0.17	245.3	Lg	08:12:00.260	1.1					T__				---		15308321	FDSN	ZJ	--	BUD	iLoc	HHE	???	_		
(Station ML : 1.3 1																										
KECS	0.21	246.3	Pg	08:11:56.900	-0.1					T__		0.6		---		15308322	FDSN	IR	--	ISC	iLoc	???	???	_		
KECS	0.21	246.3	Pg	08:11:57.066	0.0					T__		551.7		---	MLv	15308323	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_		
KECS	0.21	246.3	Lg	08:12:00.901	0.5					T__				---		15308324	FDSN	SK	--	BUD	iLoc	EHN	???	_		
(Station ML : 1.6 0																										
ABAH	0.41	130.6	Pg	08:12:01.500	0.3					T__		0.1		---		15308325	FDSN	IR	--	ISC	iLoc	???	???	_		
ABAH	0.41	130.6	Pg	08:12:01.686	0.5					T__		64.3		---	MLv	15308326	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
ABAH	0.41	130.6	Lg	08:12:07.400	-1.0					T__		0.1		---		15308327	FDSN	IR	--	ISC	iLoc	???	???	_		
ABAH	0.41	130.6	Lg	08:12:08.213	-0.2					T__				---		15308328	FDSN	HU	--	BUD	iLoc	HHE	???	_		
(Station ML : 1.3 1																										
HU02A	0.47	200.2	Pg	08:12:02.640	-0.1					T__		34.0		---	MLv	15308329	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_		
HU02A	0.47	200.2	Lg	08:12:10.107	-0.3					T__				---		15308330	FDSN	ZJ	00	BUD	iLoc	HHN	???	_		
(Station ML : 1.1 1																										
PSZ	0.87	222.4	Pn	08:12:11.500	0.2					T__		0.0		---		15308331	FDSN	IR	--	ISC	iLoc	???	???	_		
PSZ	0.87	222.4	Lg	08:12:24.200	-0.0					T__		0.0		---		15308332	FDSN	IR	--	ISC	iLoc	???	???	_		
PSZ	0.87	222.4	Pg	08:12:10.799	-0.3					T__		31.2		---	MLv	15308333	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	0.87	222.4	Lg	08:12:24.029	-0.2					T__				---		15308334	FDSN	GE	--	BUD	iLoc	BHE	???	_		
(Station ML : 1.5 1																										
KOLS	1.06	69.2	Lg	08:12:29.175	-0.2					T__				---		15308335	FDSN	SK	--	BUD	iLoc	HHE	???	_		
HOLU	1.07	91.5	Pn	08:12:13.832	-0.1					T__				---		15308336	FDSN	UA	--	BUD	iLoc	MHZ	???	_		
TRPA	1.26	109.6	Sn	08:12:33.800	-1.7					T__				---		15308337	FDSN	IR	--	ISC	iLoc	???	???	_		
TRPA	1.26	109.6	Sn	08:12:33.980	-1.5					T__				---		15308338	FDSN	HU	--	BUD	iLoc	HHN	???	_		
VYHS	1.29	267.5	Pg	08:12:17.500	-1.1					T__		0.0		---		15308339	FDSN	IR	--	ISC	iLoc	???	???	_		
VYHS	1.29	267.5	Pn	08:12:17.326	0.3					T__		4.6		---	MLv	15308340	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_		
VYHS	1.29	267.5	Sn	08:12:34.698	-1.7					T__				---		15308341	FDSN	SK	--	BUD	iLoc	HHN	???	_		
(Station ML : 0.9 0																										
STZU	1.31	69.1	Pn	08:12:18.369	0.9					T__				---		15308342	FDSN	UA	--	BUD	iLoc	MHZ	???	_		

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/08/01 12:14:16.44 0.87 1.20 48.2536 21.2153 6.9 4.0 7 0.0S 22 13 129 0.05 1.60 m kx BUD 15308374 iLoc 152
 2019/08/01 12:14:16.38f 1.02 48.2470 21.2460f 0.0S 22 130 0.05 1.63 a kx BUD_GT 15328319 BUD 153
 (GT info : GT2 explosion)
 (description : known quarry blast)
 (locality : Tallya Hungary)

Magnitude Err Nsta Author OrigID
 ML 1.6 0.2 8 BUD 15308374
 ML 1.6 0.2 8 ILOC 15328319

Sta	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	12:14:17.841	-0.1					T__		6119.0		---	MLv	15330190	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_		
ABAH	0.05	355.1	Lg	12:14:18.921	-0.6					T__				---		15330191	FDSN	HU	--	BUD	BUD	HHE	???	_		
(Station ML : 2.2 1																										
HU02A	0.50	255.8	Pg	12:14:26.535	-0.4					T__		62.1		---	MLv	15330192	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_		
HU02A	0.50	255.8	Lg	12:14:33.333	-1.7					T__				---		15330193	FDSN	ZJ	00	BUD	BUD	HHZ	???	_		
(Station ML : 1.5 1																										
HU07A	0.52	120.5	Pg	12:14:28.134	1.1					T__		304.3		---	MLv	15330198	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_		
(Station ML : 2.2 0																										
JOS	0.53	298.0	Pg	12:14:26.957	-0.2					T__		61.3		---	MLv	15330194	FDSN	ZJ	--	BUD	BUD	HHZ	HHZ	_		
JOS	0.53	298.0	Lg	12:14:34.943	-0.4					T__				---		15330195	FDSN	ZJ	--	BUD	BUD	HHN	???	_		
(Station ML : 1.6 1																										
KECS	0.56	295.3	Pg	12:14:27.718	0.1					T__		110.1		---	MLv	15330196	FDSN	SK	--	BUD	BUD	EHE	EHZ	_		
KECS	0.56	295.3	Lg	12:14:36.130	-0.1					T__				---		15330197	FDSN	SK	--	BUD	BUD	EHN	???	_		
(Station ML : 1.9 1																										
HOLU	0.81	69.3	Pn	12:14:32.958	-0.9					T__				---		15330199	FDSN	UA	--	BUD	BUD	MHZ	???	_		
HOLU	0.81	69.3	Lg	12:14:45.572	-0.0					T__				---		15330200	FDSN	UA	--	BUD	BUD	MHZ	???	_		
TRPA	0.87	97.2	Pn	12:14:34.221	-0.5					T__		30.8		---	MLv	15330201	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_		
TRPA	0.87	97.2	Lg	12:14:47.104	-0.7					T__				---		15330202	FDSN	HU	--	BUD	BUD	BHE	???	_		
(Station ML : 1.5 0																										
PSZ	0.96	250.6	Pn	12:14:36.149	-0.0					T__		45.9		---	MLv	15330203	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_		
PSZ	0.96	250.6	Lg	12:14:49.855	-1.3					T__				---		15330204	FDSN	GE	--	BUD	BUD	BHE	???	_		
(Station ML : 1.7 1																										
KOLS	0.97	44.4	Pn	12:14:36.541	0.2					T__				---		15330205	FDSN	SK	--	BUD	BUD	HHZ	???	_		
MUKU	0.98	77.3	Pn	12:14:36.657	0.3					T__				---		15330206	FDSN	UA	--	BUD	BUD	MHZ	???	_		
STZU	1.19	49.4	Pn	12:14:40.681	1.1					T__				---		15330207	FDSN	UA	--	BUD	BUD	MHZ	???	_		
STZU	1.19	49.4	Lg	12:14:55.330	-2.2					T__				---		15330208	FDSN	UA	--	BUD	BUD	MHZ	???	_		
NIE	1.33	332.6	Pg	12:14:43.641	2.3					T__		18.0		---	MLv	15330209	FDSN	PL	--	BUD	BUD	BHZ	BHZ	_		
NIE	1.33	332.6	Sn	12:15:01.641	0.4					T__				---		15330210	FDSN	PL	--	BUD	BUD	BHN	???	_		
(Station ML : 1.5 1																										
VYHS	1.63	279.6	Sn	12:15:09.919	1.8					T__				---		15330211	FDSN	SK	--	BUD	BUD	HHN	???	_		

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/08/02 07:54:52.10 1.25 0.92 48.2834 21.4960 16.7 6.5 177 0.0S 15 9 149 0.17 1.13 m sx BUD 15308431 iLoc 184
 (description : suspected quarry blast)
 (locality : Sárospatak Hungary)

Magnitude Err Nsta Author OrigID
 ML 1.3 0.1 4 ILOC 15308431

Sta	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	274.4	Pg	07:54:56.678	0.7					T__		459.2		---	MLv	15308433	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
ABAH	0.17	274.4	Lg	07:54:58.184	-1.3					T__				---		15308434	FDSN	HU	--	BUD	iLoc	HHE	???	_		
(Station ML : 1.4 1																										
HOLU	0.64	67.3	Pn	07:55:06.882	-1.5					T__				---		15308435	FDSN	UA	--	BUD	iLoc	MHZ	???	_		
HU02A	0.67	256.4	Pn	07:55:08.028	0.3					T__		26.0		---	MLv	15308436	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_		

HU02A	0.67	256.4	Lg	07:55:15.660	-1.0	T__	---	15308437	FDSN	ZJ	00	BUD	iLoc	HHN	???	_		
(Station ML : 1.3 1																		
JOS	0.67	288.7	Pn	07:55:07.855	0.2	T__	33.0	---	MLv	15308438	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.67	288.7	Lg	07:55:14.948	-0.8	T__	---	---	---	15308439	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 1.4 1																		
KECS	0.70	286.9	Lg	07:55:16.895	0.1	T__	---	---	---	15308440	FDSN	SK	--	BUD	iLoc	EHE	???	_
TRPA	0.71	102.0	Pn	07:55:08.008	-0.2	T__	12.1	---	MLv	15308441	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
TRPA	0.71	102.0	Lg	07:55:17.397	-0.9	T__	---	---	---	15308442	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.0 1																		
KOLS	0.83	38.1	Pn	07:55:09.678	-0.4	T__	---	---	---	15308443	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	0.83	38.1	Lg	07:55:20.761	-0.7	T__	---	---	---	15308444	FDSN	SK	--	BUD	iLoc	HHN	???	_
STZU	1.05	45.1	Pn	07:55:13.157	-0.1	T__	---	---	---	15308445	FDSN	UA	--	BUD	iLoc	MHZ	???	_
STZU	1.05	45.1	Sn	07:55:29.909	-0.6	T__	---	---	---	15308446	FDSN	UA	--	BUD	iLoc	MHZ	???	_
PSZ	1.13	251.8	Sn	07:55:30.669	-1.4	T__	---	---	---	15308447	FDSN	GE	--	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
 2019/08/02 08:35:17.69 0.84 0.52 48.3276 19.8482 3.9 3.0 168 0.0S 18 10 61 0.41 1.13 m sx BUD 15308465 iLoc 91
 (description : suspected quarry blast)
 (locality : Velke-Dravce Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.7 0.2 9 ILOC 15308465

Sta	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	175.7	Pg	08:35:26.882	0.1					T__		194.6		_c_	MLv	15308467	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.41	175.7	Lg	08:35:33.309	-0.2					T__				---	---	15308468	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.7 1																								
KECS	0.45	69.6	Pg	08:35:26.832	-0.0					T__		207.1		---	MLv	15308469	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.45	69.6	Lg	08:35:33.962	0.1					T__				---	---	15308470	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.9 1																								
HU03A	0.46	201.5	Pg	08:35:27.885	0.5					T__		126.2		---	MLv	15308471	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.46	201.5	Lg	08:35:34.412	-0.0					T__				---	---	15308472	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 1.7 1																								
JOS	0.49	69.6	Pg	08:35:27.399	-0.1					T__		92.6		---	MLv	15308473	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.49	69.6	Lg	08:35:35.242	0.2					T__				---	---	15308474	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 1.6 1																								
HU02A	0.50	114.2	Pg	08:35:28.061	-0.2					T__		48.9		---	MLv	15308475	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.50	114.2	Lg	08:35:35.425	-0.9					T__				---	---	15308476	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.4 1																								
A336A	0.58	260.9	Pg	08:35:29.738	0.3					T__		120.7		---	MLv	15308477	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A336A	0.58	260.9	Lg	08:35:37.859	-0.5					T__				---	---	15308478	FDSN	Z3	00	BUD	iLoc	HH3	???	_
(Station ML : 1.9 0																								
VYHS	0.69	284.2	Pg	08:35:31.602	-0.2					T__		26.0		---	MLv	15308479	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.69	284.2	Lg	08:35:41.092	-1.0					T__				---	---	15308480	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.3 0																								
LANS	0.86	343.1	Lg	08:35:47.317	0.9					T__				---	---	15308481	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.93	91.4	Pn	08:35:37.527	0.8					T__		62.2		---	MLv	15308482	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.93	91.4	Lg	08:35:50.581	0.0					T__				---	---	15308483	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.8 1																								
NIE	1.13	15.5	Pn	08:35:40.389	0.3					T__		17.7		---	MLv	15308484	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/08/02	08:44:48.21	1.02	0.33	46.1837	18.2806	9.3	3.7	153	0.0S	5	3	150	0.16	0.34	m	sx	BUD	15308522	iLoc			275
(description : suspected quarry blast)																						
(locality : Komló-II Hungary)																						

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	232.9	Pg	08:44:52.117	0.1					T__		383.1			MLv	15308524	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.16	232.9	Lg	08:44:54.928	-0.1					T__						15308525	FDSN	HU	--	BUD	iLoc	BHN	???	_
MORH	0.25	82.6	Pg	08:44:54.025	0.2					T__		24.7			MLv	15308526	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	0.25	82.6	Lg	08:44:57.991	-0.4					T__						15308527	FDSN	HU	--	BUD	iLoc	BHN	???	_
A266A	0.34	358.2	Lg	08:45:01.223	-0.1					T__						15308528	FDSN	Z3	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
2019/08/02	09:38:58.05	1.64	0.14	46.1090	18.1016	14.6	3.5	113	0.0S	5	3	191	0.02	0.43	m	kx	BUD	15308537	iLoc			301
2019/08/02	09:38:56.85f		0.64	46.1254	18.0152f				0.0S	5		261	0.07	0.45	a	kx	BUD_GT	15328329	BUD			315
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Bükkösd-II Hungary)																						

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	0.07	122.2	Pg	09:38:58.949	0.0					T__		800.1			MLv	15330212	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.07	122.2	Lg	09:39:00.154	-0.7					T__						15330213	FDSN	HU	--	BUD	BUD	BHN	???	_
A266A	0.44	23.3	Lg	09:39:14.258	1.1					T__						15330216	FDSN	Z3	00	BUD	BUD	HHN	???	_
MORH	0.45	78.1	Pg	09:39:06.280	0.1					T__		8.6			MLv	15330214	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.45	78.1	Lg	09:39:12.958	-0.4					T__						15330215	FDSN	HU	--	BUD	BUD	BHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/08/02	12:14:49.06	1.35	0.79	48.2904	21.5155	15.5	6.8	176	0.0S	12	7	148	0.18	1.15	m	sx	BUD	15308552	iLoc			213
(description : suspected quarry blast)																						
(locality : Sárospatak Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.2	4 ILOC	15308552

Sta	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	271.9	Pg	12:14:53.816	0.6					T__		614.1			MLv	15308554	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.18	271.9	Lg	12:14:56.974	0.1					T__						15308555	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.6 1																								
JOS	0.68	287.8	Pg	12:15:02.828	0.1					T__		25.9			MLv	15308556	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.68	287.8	Lg	12:15:12.007	-1.1					T__						15308557	FDSN	ZJ	--	BUD	iLoc	HHZ	???	_
(Station ML : 1.3 1																								
HU02A	0.68	256.1	Pn	12:15:04.494	-0.3					T__		26.8			MLv	15308558	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_

HU02A	0.68	256.1	Lg	12:15:12.815	-1.3	T__	---	15308559	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 1.3 1																
TRPA	0.70	102.8	Lg	12:15:13.995	-0.8	T__	---	15308560	FDSN	HU	--	BUD	iLoc	BHN	???	_
KECS	0.71	286.1	Pn	12:15:04.154	-1.0	T__	86.3	15308561	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.71	286.1	Lg	12:15:13.719	-0.4	T__	---	15308562	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.8 1																
KOLS	0.82	37.7	Pn	12:15:06.786	-0.1	T__	---	15308563	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	0.82	37.7	Lg	12:15:18.138	0.2	T__	---	15308564	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	1.15	251.7	Sn	12:15:28.656	-0.7	T__	---	15308565	FDSN	GE	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/08/02	17:50:26.48	0.92	0.76	47.7898	18.4210	5.2	2.9	96	0.9F	9.3	10	7	148	0.08	0.83	m	ke BUD	15308583	iLoc			168

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.6	4 ILOC	15308583

Sta	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	0.08	288.0	Pg	17:50:28.520	0.2					T__		23055.2		---	MLv	15308585	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
SR0	0.08	288.0	Lg	17:50:28.866	-1.0					T__				---		15308586	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 2.9 1																								
A269A	0.15	189.8	Pg	17:50:29.732	-0.1					T__		571.5		---	MLv	15308587	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A269A	0.15	189.8	Lg	17:50:32.551	-0.1					T__				---		15308588	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 1.5 1																								
A338A	0.23	348.5	Pg	17:50:31.971	0.7					T__		365.5		---	MLv	15308589	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.5 1																								
CSKK	0.44	194.3	Lg	17:50:43.615	0.9					T__				---		15308590	FDSN	HU	--	BUD	iLoc	HHN	???	_
A336A	0.59	41.0	Lg	17:50:47.068	-0.3					T__				---		15308591	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VYHS	0.76	21.4	Pg	17:50:41.769	0.0					T__		5.5		---	MLv	15308592	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.76	21.4	Lg	17:50:51.774	-1.0					T__				---		15308593	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 0.7 1																								
EGYH	0.83	243.5	Lg	17:50:54.610	-0.1					T__				---		15308594	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/08/02	22:34:32.40	1.00	1.27	45.9846	17.2022	6.1	3.6	8	1.7F	17.5	24	13	81	0.19	1.23	m	ke BUD	15308703	iLoc			161

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.4	11 ILOC	15308703

Sta	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	19.0	Pg	22:34:36.155	-0.3					T__		799.8		---	MLv	15308705	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A264A	0.19	19.0	Lg	22:34:39.594	0.3					T__				---		15308706	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 1.7 1																								
A273A	0.43	98.8	Pg	22:34:40.310	-0.9					T__		190.5		---	MLv	15308707	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A273A	0.43	98.8	Lg	22:34:47.964	0.9					T__				---		15308708	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 1.8 1																								
BEHE	0.57	328.8	Pg	22:34:43.573	-0.3					T__		48.8		---	MLv	15308709	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BEHE	0.57	328.8	Sn	22:34:54.393	-3.1					T__				---		15308710	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.5 1																								

A265A	0.60	42.9	Pg	22:34:44.159	-0.4	T__	214.6	___	MLv	15308711	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A265A	0.60	42.9	Lg	22:34:52.812	-0.0	T__		___		15308712	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 2.2 1																		
KOVH	0.63	80.3	Pg	22:34:45.707	0.5	T__	38.1	___	MLv	15308713	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.63	80.3	Lg	22:34:55.648	1.7	T__		___		15308714	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.4 0																		
A263A	0.66	6.7	Pg	22:34:45.845	0.2	T__	358.3	___	MLv	15308715	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A263A	0.66	6.7	Lg	22:34:54.247	-0.4	T__		___		15308716	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 2.4 1																		
KOGS	0.81	305.4	Pg	22:34:48.569	0.3	T__	293.5	___	MLv	15308717	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.81	305.4	Lg	22:34:59.715	1.1	T__		___		15308718	FDSN	SL	--	BUD	iLoc	BHE	???	_
(Station ML : 2.4 1																		
ZAG	0.86	259.9	Sn	22:35:02.652	-1.3	T__		___		15308719	FDSN	CR	--	BUD	iLoc	BHN	???	_
PTJ	0.86	265.3	Pg	22:34:48.769	-0.5	T__	99.5	___	MLv	15308720	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.86	265.3	Lg	22:35:00.769	-0.2	T__		___		15308721	FDSN	CR	--	BUD	iLoc	BHE	???	_
(Station ML : 2.0 1																		
A266A	0.91	53.3	Pg	22:34:50.696	0.2	T__	342.9	___	MLv	15308722	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A266A	0.91	53.3	Lg	22:35:03.928	0.4	T__		___		15308723	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 2.5 0																		
MORH	1.03	76.5	Pn	22:34:51.179	-1.3	T__	11.4	___	MLv	15308724	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.03	76.5	Lg	22:35:06.092	-1.4	T__		___		15308725	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.1 0																		
BLY	1.20	180.7	Sn	22:35:14.276	2.2	T__		___		15308726	FDSN	MN	--	BUD	iLoc	BHE	???	_
CRES	1.23	263.2	Pg	22:34:55.849	0.1	T__	251.2	___	MLv	15308727	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	1.23	263.2	Sn	22:35:10.736	-2.2	T__		___		15308728	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
2019/08/05	08:09:42.77	0.97	0.88	47.9144	19.4363	6.6	2.8	14	0.0S		15	9	160	0.11	1.52	m	kx	BUD	15308612	iLoc		192
2019/08/05	08:09:42.71f		0.73	47.9151	19.4088f				0.0S		15		160	0.13	1.50	a	kx	BUD_GT	15328335	BUD		193

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.3	7 BUD	15308612
ML	1.8	0.2	7 ILOC	15328335

Sta	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	95.0	Pg	08:09:46.060	0.2					T__		2654.7		___	MLv	15330217	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU03A	0.13	95.0	Lg	08:09:48.087	-0.3					T__				___		15330218	FDSN	ZJ	00	BUD	BUD	HHZ	???	_
(Station ML : 2.1 1																								
A270A	0.27	255.2	Pg	08:09:49.009	0.3					T__		831.2		___	MLv	15330219	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 2.0 1																								
PSZ	0.33	89.2	Pg	08:09:49.924	-0.2					T__		222.5		___	MLv	15330220	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.33	89.2	Lg	08:09:55.246	-0.5					T__				___		15330221	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.6 1																								
A336A	0.42	319.4	Pg	08:09:52.564	1.1					T__		451.9		___	MLv	15330222	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A336A	0.42	319.4	Lg	08:09:58.080	-0.1					T__				___		15330223	FDSN	Z3	00	BUD	BUD	HH3	???	_
(Station ML : 2.1 0																								
VYHS	0.69	326.7	Pg	08:09:57.104	0.2					T__		12.5		___	MLv	15330224	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
VYHS	0.69	326.7	Lg	08:10:07.689	0.5					T__				___		15330225	FDSN	SK	--	BUD	BUD	HHN	???	_

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(Station ML : 1.0 0
HU02A 0.78 74.1 Pg 08:09:57.911 -1.0 T__ 61.7 --- MLv 15330226 FDSN ZJ 00 BUD BUD HHZ HHZ _
HU02A 0.78 74.1 Lg 08:10:10.204 -0.9 T__ --- 15330227 FDSN ZJ 00 BUD BUD HHN ??? _
(Station ML : 1.7 1
KECS 0.92 51.3 Lg 08:10:15.170 0.3 T__ --- 15330228 FDSN SK -- BUD BUD EHE ??? _
JOS 0.95 52.0 Pn 08:10:02.579 0.4 T__ 64.9 --- MLv 15330229 FDSN ZJ -- BUD BUD HHZ HHZ _
JOS 0.95 52.0 Lg 08:10:14.806 -1.2 T__ --- 15330230 FDSN ZJ -- BUD BUD HHE ??? _
(Station ML : 1.8 1
MODS 1.50 288.6 Sn 08:10:30.192 -1.6 T__ --- 15330231 FDSN SK -- BUD BUD 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
2019/08/05 09:51:58.60 0.32 0.59 48.5661 20.4060 4.2 3.4 47 0.0A 0.0 14 8 89 0.10 1.05 m sx BUD 15250670 scolv@krszo 360
2019/08/05 09:51:56.82 0.91 0.91 48.5537 20.4041 5.8 4.1 20 0.0S 14 8 88 0.09 1.04 m sx BUD_GT 15308658 iLoc 147
(GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)
(description : suspected quarry blast)
(locality : Slavec Slovakia)

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Magnitude Err Nsta Author OrigID
M 1.6 7 BUD 15250670
MLv 1.6 0.1 7 BUD 15250670
ML 1.7 0.1 7 ILOC 15308658

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Sta 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 0.09 142.5 Pg 09:51:59.411 0.5 T__ 1762.1 --- MLv 15308660 FDSN SK -- BUD iLoc EHE EHZ _
KECS 0.09 142.5 Lg 09:52:01.015 0.5 T__ --- 15308661 FDSN SK -- BUD iLoc EHE ??? _
(Station ML : 1.8 0
JOS 0.11 123.3 Pg 09:51:59.708 0.5 T__ 689.1 --- MLv 15308662 FDSN ZJ -- BUD iLoc HHZ HHZ _
JOS 0.11 123.3 Lg 09:52:01.898 0.8 T__ --- 15308663 FDSN ZJ -- BUD iLoc HHE ??? _
(Station ML : 1.4 1
HU02A 0.44 169.4 Pg 09:52:07.066 0.9 T__ 39.0 --- MLv 15308664 FDSN ZJ 00 BUD iLoc HHZ HHZ _
HU02A 0.44 169.4 Lg 09:52:13.369 0.0 T__ --- 15308665 FDSN ZJ 00 BUD iLoc HHE ??? _
(Station ML : 1.1 0
ABAH 0.61 114.5 Pn 09:52:11.188 -1.6 T__ 51.6 --- MLv 15308666 FDSN HU -- BUD iLoc HHE HHZ _
ABAH 0.61 114.5 Lg 09:52:18.646 -0.8 T__ --- 15308667 FDSN HU -- BUD iLoc HHE ??? _
(Station ML : 1.6 1
PSZ 0.72 208.4 Pg 09:52:12.699 0.5 T__ 59.6 --- MLv 15308668 FDSN GE -- BUD iLoc BHZ BHZ _
PSZ 0.72 208.4 Lg 09:52:22.233 -0.9 T__ --- 15308669 FDSN GE -- BUD iLoc BHE ??? _
(Station ML : 1.7 1
NIE 0.87 356.1 Lg 09:52:25.758 0.2 T__ --- 15308670 FDSN PL -- BUD iLoc BHE ??? _
STHS 1.03 32.3 Pn 09:52:18.781 1.1 T__ 49.9 --- MLv 15308671 FDSN SK -- BUD iLoc EHZ EHZ _
(Station ML : 1.8 1
VYHS 1.04 267.3 Pg 09:52:18.890 1.0 T__ 39.5 --- MLv 15308672 FDSN SK -- BUD iLoc HHZ HHZ _
VYHS 1.04 267.3 Lg 09:52:32.377 -0.5 T__ --- 15308673 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
2019/08/05 15:58:06.42 0.16 0.24 46.0680 21.7372 1.6 0.8 99 5.0A 12 156 0.20 1.29 a ke BUC 15276138 ISC 360
2019/08/05 15:58:06.31 0.83 0.85 46.0905 21.7061 8.0 2.9 90 3.9F 11.4 25 6 164 0.18 1.31 m ke BUD 15308819 iLoc 218

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Magnitude	Err	Nsta	Author	OrigID
ml	1.3		BUC	15276138
ML	1.4 0.4	4	ILOC	15308819

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
SIRR	0.18	350.3	Pg	15:58:10.187	-0.1					T__		284.5		---	MLv	15308821	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.18	350.3	Lg	15:58:12.977	-0.4					T__				---		15308822	FDSN	RO	--	BUD	iLoc	BHE	???	_
SIRR	0.18	349.7	Lg	15:58:13.511	0.1					T__		0.3		---		15308823	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.18	349.7	Lg	15:58:13.511	0.1					T__				---		15308824	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.2 1																								
BZS	0.47	185.6	Pg	15:58:16.673	1.0					T__		20.4		---	MLv	15308825	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.47	185.6	Lg	15:58:23.937	1.5					T__				---		15308826	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	0.48	187.5	Pg	15:58:15.376	-0.3					T__				---		15308827	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.48	187.5	Pg	15:58:15.376	-0.3					T__				---		15308828	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.48	187.5	Lg	15:58:21.305	-1.3					T__				---		15308829	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 0.9 1																								
DRGR	0.99	44.4	Pn	15:58:25.402	-0.6					T__				---		15308830	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.99	44.4	Pn	15:58:25.402	-0.6					T__				---		15308831	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.99	44.4	Lg	15:58:39.339	-0.4					T__				---		15308832	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.99	44.4	Pg	15:58:26.534	0.7					T__		50.5		---	MLv	15308833	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.99	44.4	Lg	15:58:40.279	0.5					T__				---		15308834	FDSN	RO	--	BUD	iLoc	BHZ	???	_
(Station ML : 1.8 1																								
GZR	1.02	132.5	Pg	15:58:25.751	-0.1					T__				---		15308835	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.02	132.5	Pg	15:58:25.751	-0.1					T__				---		15308836	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.02	132.5	Pn	15:58:28.643	1.9					T__		26.7		---	MLv	15308837	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.02	132.5	Lg	15:58:39.084	-1.1					T__				---		15308838	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.02	132.5	Sn	15:58:44.033	1.7					T__				---		15308839	FDSN	RO	--	BUD	iLoc	BHZ	???	_
(Station ML : 1.5 1																								
MARR	1.14	58.6	Pn	15:58:27.894	-0.4					T__				---		15308840	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.14	58.6	Pn	15:58:27.894	-0.4					T__				---		15308841	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.14	58.6	Lg	15:58:44.355	-0.3					T__				---		15308842	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.31	179.8	Pg	15:58:31.447	-0.3					T__				---		15308843	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.31	179.8	Pg	15:58:31.447	-0.3					T__				---		15308844	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.31	179.8	Lg	15:58:49.210	-0.0					T__				---		15308845	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/08/06	08:12:29.88	1.60	1.70	48.5324	20.7697	11.0	5.4	22	0.0S		14	8	121	0.16	1.29	m	sx BUD	15308774	iLoc			180
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.3 0.3	7	ILOC	15308774

Sta	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	256.7	Pg	08:12:33.490	0.2					T__		350.2		---	MLv	15308776	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.16	256.7	Lg	08:12:37.023	1.0					T__				---		15308777	FDSN	ZJ	--	BUD	iLoc	HHN	???	_
(Station ML : 1.3 1																								
KECS	0.20	255.5	Pg	08:12:34.062	0.1					T__		766.1		---	MLv	15308778	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.20	255.5	Lg	08:12:36.787	-0.5					T__				---		15308779	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.7 0																								
ABAH	0.39	126.9	Pn	08:12:39.698	-3.1					T__		48.4		---	MLv	15308780	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_

ABAH	0.39	126.9	Lg	08:12:45.410	0.6	T__								15308781	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.1 1)																						
HU02A	0.44	201.8	Pg	08:12:39.137	-0.1	T__				27.7		MLv		15308782	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.44	201.8	Lg	08:12:47.063	0.6	T__								15308783	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.0 0)																						
PSZ	0.85	223.9	Pn	08:12:47.569	-0.6	T__				27.5		MLv		15308784	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.85	223.9	Lg	08:12:59.970	-0.6	T__								15308785	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.4 1)																						
LANS	1.06	306.2	Pn	08:12:49.803	-1.4	T__				38.2		MLv		15308786	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 1.7 1)																						
KOLS	1.07	67.5	Sn	08:13:06.271	-2.4	T__								15308787	FDSN	SK	--	BUD	iLoc	HHN	???	_
VYHS	1.29	269.0	Pn	08:12:54.020	-0.2	T__				7.4		MLv		15308788	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.29	269.0	Sn	08:13:10.138	-3.4	T__								15308789	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	
2019/08/06	10:50:42.80	1.48	1.86	47.8933	20.0677	5.3	0.7	102	0.0A		7		256	0.12	1.02	a	kx	KRSZO	15276176	ISC			360
2019/08/06	10:50:33.83	2.50	3.78	47.5851	20.0850	15.0	10.5	171	0.0S		11	6	154	0.36	3.02	m	sx	BUD	15308864	iLoc			283
(description : suspected quarry blast)																							
(locality : Kismána Hungary)																							

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.5	4 ILOC	15308864

Sta	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	0.36	339.0	Pn	10:50:46.058	-0.2					T__		621.5			MLv	15308866	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.36	339.0	Lg	10:50:47.765	-0.3					T__						15308867	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 2.1 1)																								
HU03A	0.46	314.4	Sn	10:50:55.862	7.3					T__						15308868	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
HU02A	0.61	28.7	Pn	10:50:50.233	1.5					T__		112.6			MLv	15308869	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.61	28.7	Lg	10:50:56.992	0.3					T__						15308870	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 1.9 1)																								
KECS	0.94	16.5	Lg	10:51:06.192	-0.6					T__						15308871	FDSN	SK	--	BUD	iLoc	EHE	???	_
JOS	0.96	18.3	Pn	10:50:56.555	3.2					T__		22.1			MLv	15308872	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.96	18.3	Lg	10:51:07.198	-0.3					T__						15308873	FDSN	ZJ	--	BUD	iLoc	HHN	???	_
(Station ML : 1.4 1)																								
A336A	0.98	312.0	Sn	10:51:10.870	1.5					T__						15308874	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VYHS	1.24	317.8	Pg	10:51:03.882	5.1					---		6.2			MLv	15308875	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.24	317.8	Lg	10:51:16.987	0.2					T__						15308876	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.0 1)																								
MDVR	3.02	157.4	Pg	10:51:41.801	8.6					---						15308877	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	3.02	157.4	Sn	10:51:52.221	-6.7					T__						15308878	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/08/06	11:04:23.51	0.91	0.73	47.9380	20.0596	6.0	2.9	158	0.0S		14	9	103	0.11	0.99	m	sx	BUD	15308896	iLoc			194
(description : suspected quarry blast)																							
(locality : Kismána Hungary)																							

Magnitude	Err	Nsta	Author	OrigID

ML 1.8 0.1 5 ILOC 15308896

Sta	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	260.1	Pg	11:04:26.510	-0.1					T__		1498.4			MLv	15308898	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	0.11	260.1	Lg	11:04:29.523	0.3					T__						15308899	FDSN	GE	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.8 1																										
HU03A	0.31	263.9	Lg	11:04:36.171	0.8					T__						15308900	FDSN	ZJ	00	BUD	iLoc	HNN	???	_		
HU23A	0.33	156.7	Lg	11:04:36.720	0.5					T__						15308901	FDSN	ZJ	00	BUD	iLoc	HNN	???	_		
HU02A	0.36	59.3	Pg	11:04:30.665	-0.8					T__		248.9			MLv	15308902	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_		
HU02A	0.36	59.3	Lg	11:04:37.901	0.3					T__						15308903	FDSN	ZJ	00	BUD	iLoc	HHE	???	_		
(Station ML : 1.7 1																										
KECS	0.62	27.4	Lg	11:04:46.192	0.8					T__						15308904	FDSN	SK	--	BUD	iLoc	EHE	???	_		
JOS	0.64	29.6	Pg	11:04:36.606	0.2					T__		92.6			MLv	15308905	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_		
JOS	0.64	29.6	Lg	11:04:46.872	0.6					T__						15308906	FDSN	ZJ	--	BUD	iLoc	HNN	???	_		
(Station ML : 1.8 1																										
A270A	0.71	262.8	Lg	11:04:48.372	-1.1					T__						15308907	FDSN	Z3	00	BUD	iLoc	HHE	???	_		
ABAH	0.87	65.2	Pn	11:04:42.454	0.8					T__		89.2			MLv	15308908	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
ABAH	0.87	65.2	Lg	11:04:54.527	-0.2					T__						15308909	FDSN	HU	--	BUD	iLoc	HHE	???	_		
(Station ML : 1.9 0																										
VYHS	0.99	304.7	Pn	11:04:44.636	0.9					T__		13.3			MLv	15308910	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_		
VYHS	0.99	304.7	Lg	11:04:57.338	-0.6					T__						15308911	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
2019/08/07	08:16:18.93	0.97	1.26	47.7641	19.0424	5.2	4.0	79	0.0S		13	9	107	0.08	1.33	m	kx BUD	15308933	iLoc			158
2019/08/07	08:16:19.06f		1.08	47.7791	19.0372f				0.0S		13		105	0.07	1.32	a	kx BUD_GT	15328347	BUD			155

(GT info : GT2 explosion)

(description : known quarry blast)

(locality : Dunabogdány Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.0	4 BUD	15308933
ML	1.5	0.0	4 ILOC	15328347

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
A270A	0.07	349.3	Pg	08:16:21.525	0.6					T__		3507.0			MLv	15330232	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_		
A270A	0.07	349.3	Lg	08:16:22.553	-0.2					T__						15330233	FDSN	Z3	00	BUD	BUD	HHZ	???	_		
(Station ML : 2.0 1																										
BUD	0.30	181.8	Lg	08:16:30.539	-0.4					T__						15330234	FDSN	HU	--	BUD	BUD	BHN	???	_		
A336A	0.46	356.8	Lg	08:16:35.761	-0.1					T__						15330235	FDSN	Z3	00	BUD	BUD	HH3	???	_		
PSZ	0.59	76.1	Pg	08:16:31.845	-0.1					T__		50.6			MLv	15330236	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_		
PSZ	0.59	76.1	Lg	08:16:40.983	-0.3					T__						15330237	FDSN	GE	--	BUD	BUD	BHN	???	_		
(Station ML : 1.5 1																										
CSKK	0.67	231.9	Lg	08:16:42.790	-1.0					T__						15330238	FDSN	HU	--	BUD	BUD	HHE	???	_		
VYHS	0.73	349.4	Lg	08:16:45.401	0.7					T__						15330239	FDSN	SK	--	BUD	BUD	HNN	???	_		
HU02A	1.06	70.5	Pg	08:16:40.819	-0.0					T__		27.4			MLv	15330240	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_		
HU02A	1.06	70.5	Sn	08:16:56.476	-0.5					T__						15330241	FDSN	ZJ	00	BUD	BUD	HNN	???	_		
(Station ML : 1.5 1																										
JOS	1.23	53.9	Pg	08:16:43.597	0.1					T__		22.5			MLv	15330242	FDSN	ZJ	--	BUD	BUD	HHZ	HHZ	_		
JOS	1.23	53.9	Lg	08:17:01.920	-0.5					T__						15330243	FDSN	ZJ	--	BUD	BUD	HNN	???	_		
(Station ML : 1.5 1																										
MODS	1.32	297.4	Sn	08:17:00.241	-3.5					T__						15330244	FDSN	SK	--	BUD	BUD	HNN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/08/07	08:37:37.88	1.09	1.09	48.6025	20.6841	6.7	4.2	163	0.0S	15	9	86	0.14	1.32	m	sx	BUD	15308965	iLoc			165
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.1	7 ILOC	15308965

Sta	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	222.4	Pg	08:37:41.167	0.2					T__		369.4		---	MLv	15308967	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.14	222.4	Lg	08:37:44.452	1.0					T__				---		15308968	FDSN	ZJ	--	BUD	iLoc	HHN	???	_
(Station ML : 1.3 1																								
KECS	0.18	227.9	Pg	08:37:41.686	0.0					T__		1043.2		---	MLv	15308969	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.18	227.9	Lg	08:37:45.265	0.6					T__				---		15308970	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 1.8 0																								
ABAH	0.48	129.4	Pg	08:37:48.227	0.6					T__		61.3		---	MLv	15308971	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.48	129.4	Lg	08:37:55.606	-0.2					T__				---		15308972	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.4 1																								
HU02A	0.49	192.5	Pg	08:37:47.872	-0.4					T__		37.4		---	MLv	15308973	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.49	192.5	Lg	08:37:54.756	-1.5					T__				---		15308974	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.2 1																								
PSZ	0.86	217.9	Pn	08:37:55.967	-0.4					T__		33.7		---	MLv	15308975	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.86	217.9	Lg	08:38:09.174	0.1					T__				---		15308976	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.5 1																								
STHS	0.89	24.1	Lg	08:38:07.453	-0.3					T__				---		15308977	FDSN	SK	--	BUD	iLoc	EHN	???	_
LANS	0.97	304.8	Pn	08:37:57.409	-0.6					T__		29.9		---	MLv	15308978	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 1.5 1																								
VYHS	1.23	265.6	Pg	08:38:02.340	-0.3					T__		7.1		---	MLv	15308979	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.23	265.6	Sn	08:38:20.269	0.0					T__				---		15308980	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.0 0																								
TRPA	1.32	110.2	Sn	08:38:19.150	-3.1					T__				---		15308981	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/08/07	09:14:10.59	0.90	1.70	48.6218	21.4582	5.5	3.5	175	3.9F	13.3	20	12	102	0.36	1.75	m	ke	BUD	15309053	iLoc			141

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.4	9 ILOC	15309053

Sta	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	204.1	Pg	09:14:17.824	0.0					T__		96.6		---	MLv	15309055	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.36	204.1	Lg	09:14:24.552	0.8					T__				---		15309056	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.3 1																								
HOLU	0.62	98.4	Pg	09:14:22.811	0.3					T__				---		15309057	FDSN	UA	--	BUD	iLoc	MHZ	???	_
HOLU	0.62	98.4	Lg	09:14:33.219	0.5					T__				---		15309058	FDSN	UA	--	BUD	iLoc	MHZ	???	_
KOLS	0.62	59.7	Pn	09:14:24.059	-2.1					T__				---		15309059	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	0.62	59.7	Lg	09:14:28.368	-4.1					T__				---		15309060	FDSN	SK	--	BUD	iLoc	HHE	???	_
JOS	0.62	258.7	Pg	09:14:22.472	-0.5					T__		58.9		---	MLv	15309061	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_

JOS	0.62	258.7	Lg	09:14:30.938	-1.4	T__	---	15309062	FDSN	ZJ	--	BUD	iLoc	HHN	???	_			
(Station ML : 1.6 1																			
KECS	0.66	258.2	Pg	09:14:23.548	-0.2	T__	150.0	---	MLv	15309063	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_	
KECS	0.66	258.2	Lg	09:14:33.238	-0.3	T__	---	---	---	15309064	FDSN	SK	--	BUD	iLoc	EHE	???	_	
(Station ML : 2.0 0																			
HU02A	0.80	231.6	Pn	09:14:26.562	-0.9	T__	42.7	---	MLv	15309065	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
HU02A	0.80	231.6	Lg	09:14:37.819	-1.1	T__	---	---	---	15309066	FDSN	ZJ	00	BUD	iLoc	HHE	???	_	
(Station ML : 1.6 1																			
MUKU	0.83	101.2	Pg	09:14:27.038	0.5	T__	---	---	---	15309067	FDSN	UA	--	BUD	iLoc	MHZ	???	_	
TRPA	0.87	123.9	Pg	09:14:28.418	1.1	T__	18.4	---	MLv	15309068	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
TRPA	0.87	123.9	Lg	09:14:39.414	-1.5	T__	---	---	---	15309069	FDSN	HU	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.3 1																			
NIE	1.10	317.1	Pg	09:14:32.562	1.3	T__	15.5	---	MLv	15309070	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_	
(Station ML : 1.3 1																			
PSZ	1.26	236.6	Pn	09:14:35.598	1.6	T__	41.6	---	MLv	15309071	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
(Station ML : 1.8 1																			
LANS	1.42	292.7	Pg	09:14:39.414	1.0	T__	37.9	---	MLv	15309072	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_	
(Station ML : 1.9 1																			
VYHS	1.75	266.8	Pn	09:14:42.924	2.1	T__	5.9	---	MLv	15309073	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_	
VYHS	1.75	266.8	Sn	09:15:06.864	2.5	T__	---	---	---	15309074	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
2019/08/07	09:51:28.72	1.24	0.86	48.5904	20.8784	9.0	3.8	8	0.0S	15	8	162	0.25	1.36	m	sx	BUD	15309011	iLoc			186
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.1	6 ILOC	15309011

Sta	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	247.4	Pg	09:51:34.194	0.4					T__		237.2		---	MLv	15309013	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_	
JOS	0.25	247.4	Lg	09:51:38.723	1.0					T__				---	---	15309014	FDSN	ZJ	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.4 1																									
KECS	0.28	247.8	Pg	09:51:34.920	0.4					T__		339.5		---	MLv	15309015	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_	
KECS	0.28	247.8	Lg	09:51:37.983	-1.0					T__				---	---	15309016	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Station ML : 1.6 1																									
ABAH	0.38	140.6	Pg	09:51:37.179	0.6					T__		70.4		---	MLv	15309017	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ABAH	0.38	140.6	Lg	09:51:42.953	-0.3					T__				---	---	15309018	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.2 0																									
HU02A	0.52	206.8	Pg	09:51:39.808	0.0					T__		62.7		---	MLv	15309019	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
HU02A	0.52	206.8	Lg	09:51:46.981	-1.2					T__				---	---	15309020	FDSN	ZJ	00	BUD	iLoc	HHE	???	_	
(Station ML : 1.6 1																									
PSZ	0.94	224.7	Pn	09:51:47.171	-1.1					T__		45.0		---	MLv	15309021	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	0.94	224.7	Lg	09:52:02.887	0.3					T__				---	---	15309022	FDSN	GE	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.7 0																									
KOLS	0.98	69.1	Lg	09:52:01.507	-1.5					T__				---	---	15309023	FDSN	SK	--	BUD	iLoc	HHN	???	_	
HOLU	1.00	93.1	Pn	09:51:48.410	-0.5					T__				---	---	15309024	FDSN	UA	--	BUD	iLoc	MHZ	???	_	
HOLU	1.00	93.1	Lg	09:52:02.812	-0.9					T__				---	---	15309025	FDSN	UA	--	BUD	iLoc	MHZ	???	_	
VYHS	1.36	266.7	Pg	09:51:56.084	0.1					T__		17.0		---	MLv	15309026	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_	
VYHS	1.36	266.7	Lg	09:52:15.188	-0.3					T__				---	---	15309027	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
2019/08/07	09:55:15.81	0.13	0.29	46.1046	21.7982	1.3	0.8	105	6.6F	1.3	24	116	0.19	1.52	a	ke	BUC	15276186	ISC			360
2019/08/07	09:55:16.49	0.56	0.46	46.1013	21.7584				0.1F	2.7	11	148	0.18	1.55	a	sx	KRSZO	15276182	ISC			360
2019/08/07	09:55:15.13	0.79	0.43	46.1240	21.7809	4.7	3.5	92	0.0S		40	12	118	0.16	1.55	m	sx	BUD	15327062	iLoc		186

(description : suspected quarry blast)
 (locality : Lipova Romania)

Magnitude	Err	Nsta	Author	OrigID
ml	1.8		BUC	15276186
M	2.0		KRSZO	15276182
MLv	2.0		KRSZO	15276182
ML	2.0	0.2	6 ILOC	15327062

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
SIRR	0.16	330.0	Pg	09:55:19.226	0.2					T__		677.1		---	MLv	15327064	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.16	330.0	Lg	09:55:21.876	-0.3					T__				---		15327065	FDSN	RO	--	BUD	iLoc	BHE	???	_
SIRR	0.17	329.7	Lg	09:55:22.189	-0.1					T__		0.8		---		15327066	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.17	329.7	Lg	09:55:22.189	-0.1					T__				---		15327067	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.6 1																								
SURR	0.44	146.9	Pg	09:55:23.453	-0.2					T__				---		15327068	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.44	146.9	Lg	09:55:29.436	-0.5					T__				---		15327069	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.51	191.1	Pg	09:55:25.718	0.4					T__		33.2		---	MLv	15327070	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.51	191.1	Lg	09:55:32.600	-0.2					T__				---		15327071	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 1.3 0																								
BANR	0.87	211.6	Pg	09:55:32.278	0.3					T__				---		15327072	FDSN	IR	--	ISC	iLoc	???	???	_
BANR	0.87	211.6	Pg	09:55:32.278	0.3					T__				---		15327073	FDSN	IR	--	ISC	iLoc	???	???	_
BANR	0.87	211.6	Lg	09:55:44.339	-0.2					T__				---		15327074	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.93	43.6	Pn	09:55:34.470	-0.1					T__				---		15327075	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.93	43.6	Pn	09:55:34.470	-0.1					T__		0.1		---		15327076	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.93	43.6	Lg	09:55:46.780	-0.7					T__		0.1		---		15327077	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.93	43.6	Lg	09:55:46.780	-0.7					T__				---		15327078	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.93	43.6	Pn	09:55:35.221	0.7					T__		180.2		---	MLv	15327079	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.93	43.6	Lg	09:55:47.232	-0.2					T__				---		15327080	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 2.3 1																								
GZR	1.01	136.0	Pn	09:55:35.295	-0.6					T__		75.6		---	MLv	15327081	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.01	136.0	Lg	09:55:48.568	0.1					T__				---		15327082	FDSN	RO	--	BUD	iLoc	BHN	???	_
GZR	1.01	136.0	Lg	09:55:48.711	0.2					T__		0.1		---		15327083	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.01	136.0	Lg	09:55:48.711	0.2					T__				---		15327084	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.9 1																								
MARR	1.08	58.7	Pg	09:55:36.591	0.1					T__				---		15327085	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.08	58.7	Pg	09:55:36.591	0.1					T__				---		15327086	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.08	58.7	Lg	09:55:51.561	-0.8					T__				---		15327087	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	1.30	37.7	Pg	09:55:40.597	-0.2					T__		0.1		---		15327088	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	1.30	37.7	Lg	09:55:59.209	0.3					T__		0.1		---		15327089	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.32	160.0	Pn	09:55:40.791	0.7					T__				---		15327090	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.32	160.0	Sn	09:55:58.335	-0.6					T__				---		15327091	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.34	182.1	Pg	09:55:41.015	-0.5					T__				---		15327092	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.34	182.1	Pg	09:55:41.015	-0.5					T__				---		15327093	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.34	182.1	Sn	09:55:59.297	-0.5					T__				---		15327094	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	1.39	64.2	Pn	09:55:41.537	0.4					T__				---		15327095	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	1.39	64.2	Pn	09:55:41.537	0.4					T__		0.1		---		15327096	FDSN	IR	--	ISC	iLoc	???	???	_

CJR	1.39	64.2	Pg	09:55:43.148	0.9	T__	178.3	---	MLv	15327097	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
CJR	1.39	64.2	Sn	09:56:00.930	-0.2	T__	0.1	---	---	15327098	FDSN	IR	--	ISC	iLoc	???	???	_	
CJR	1.39	64.2	Sn	09:56:00.930	-0.2	T__		---	---	15327099	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 2.5 0)																			
LOT	1.55	115.2	Pn	09:55:43.335	-0.4	T__		---	---	15327100	FDSN	IR	--	ISC	iLoc	???	???	_	
LOT	1.55	115.2	Pn	09:55:43.335	-0.4	T__		---	---	15327101	FDSN	IR	--	ISC	iLoc	???	???	_	
LOT	1.55	115.3	Pg	09:55:44.768	0.1	T__	60.6	---	MLv	15327102	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
LOT	1.55	115.3	Sn	09:56:05.206	-0.3	T__		---	---	15327103	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
2019/08/08	05:57:17.96	1.40	0.48	47.8642	19.9546	11.1	3.9	164	0.0S	8	5	212	0.07	0.74	m	kx	BUD	15309187	iLoc			237
2019/08/08	05:57:17.59f		0.70	47.8285	19.9317f				0.0S	8		218	0.09	0.78	a	kx	BUD_GT	15328357	BUD			240
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Gyöngyössolymos-II Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.2	3 BUD	15309187
ML	1.3	0.1	3 ILOC	15328357

Sta	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	05:57:20.008	-0.3					T__		926.5		---	MLv	15330245	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_	
PSZ	0.09	344.4	Lg	05:57:21.765	-0.9					T__				---	---	15330246	FDSN	GE	--	BUD	BUD	BHN	???	_	
(Station ML : 1.5 1)																									
HU03A	0.24	288.8	Pg	05:57:23.220	0.3					T__		221.4		---	MLv	15330247	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_	
HU03A	0.24	288.8	Lg	05:57:27.932	1.0					T__				---	---	15330248	FDSN	ZJ	00	BUD	BUD	HHZ	???	_	
(Station ML : 1.3 1)																									
HU02A	0.50	53.4	Pg	05:57:27.524	-0.6					T__		34.6		---	MLv	15330249	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_	
HU02A	0.50	53.4	Lg	05:57:36.009	-0.3					T__				---	---	15330250	FDSN	ZJ	00	BUD	BUD	HHN	???	_	
(Station ML : 1.2 1)																									
A270A	0.62	271.9	Lg	05:57:41.586	1.2					T__				---	---	15330251	FDSN	Z3	00	BUD	BUD	HHE	???	_	
JOS	0.78	31.1	Lg	05:57:44.708	-0.4					T__				---	---	15330252	FDSN	ZJ	--	BUD	BUD	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/08/08	06:50:57.61	2.45	0.97	47.3493	18.4324	17.4	6.3	138	0.0S	8	6	113	0.12	1.18	m	sx	BUD	15309210	iLoc				217
(description : suspected quarry blast)																							
(locality : Gánt Hungary)																							

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	0.12	276.9	Pg	06:51:00.604	-0.0					T__		671.0		---	MLv	15309212	FDSN	HU	--	BUD	iLoc	HHN	HHZ	_
CSKK	0.12	276.9	Lg	06:51:02.238	-1.2					T__				---	---	15309213	FDSN	HU	--	BUD	iLoc	HHN	???	_
A269A	0.29	353.3	Lg	06:51:09.380	0.0					T__				---	---	15309214	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A268A	0.36	283.5	Lg	06:51:12.634	1.2					T__				---	---	15309215	FDSN	Z3	00	BUD	iLoc	HHN	???	_
PSZ	1.14	59.5	Sn	06:51:38.238	0.5					T__				---	---	15309216	FDSN	GE	--	BUD	iLoc	BHE	???	_
MORH	1.14	172.6	Sn	06:51:38.037	1.1					T__				---	---	15309217	FDSN	HU	--	BUD	iLoc	BHN	???	_
VYHS	1.18	13.2	Pn	06:51:20.815	0.4					T__		7.8		---	MLv	15309218	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_

VYHS 1.18 13.2 Lg 06:51:38.288 -0.3 T__ --- 15309219 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
2019/08/08	11:19:38.20	0.92	0.75	47.8434	19.1497	5.5	3.0	173	0.0S	13	9	135	0.09	7.18	m	kx	BUD	15309228	iLoc			163
2019/08/08	11:19:37.82	1.87	0.40	47.8391	19.1482	5.6	3.0	76	0.0A	5		261	0.51	0.69	a	ke	KRSZO	15276255	ISC			360
2019/08/08	11:19:38.11f		0.73	47.8355	19.1270f				0.0S	13		135	0.07	7.19	a	kx	BUD_GT	15328363	BUD			169

(GT info : GT2 explosion)

(description : known quarry blast)

(locality : Sejce-Vác Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.0	5 BUD	15309228
ML	1.6	0.0	5 ILOC	15328363

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A270A	0.07	277.6	Pg	11:19:40.450	0.3					T__		3190.8		---	MLv	15330253	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A270A	0.07	277.6	Lg	11:19:42.950	1.0					T__				---		15330254	FDSN	Z3	00	BUD	BUD	HHN	???	_
(Station ML : 2.0 0																								
HU03A	0.33	77.7	Lg	11:19:51.343	0.8					T__				---		15330255	FDSN	ZJ	00	BUD	BUD	HHN	???	_
A336A	0.41	347.9	Pg	11:19:46.848	0.2					T__		162.6		---	MLv	15330256	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A336A	0.41	347.9	Lg	11:19:52.824	-0.3					T__				---		15330257	FDSN	Z3	00	BUD	BUD	HH2	???	_
(Station ML : 1.6 1																								
PSZ	0.52	80.6	Pg	11:19:49.140	-0.4					T__		41.5		---	MLv	15330258	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.52	80.6	Lg	11:19:56.826	-1.1					T__				---		15330259	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.4 0																								
VYHS	0.69	343.6	Lg	11:20:01.846	-0.5					T__				---		15330260	FDSN	SK	--	BUD	BUD	HHN	???	_
A268A	0.91	244.0	Lg	11:20:10.961	0.4					T__				---		15330261	FDSN	Z3	00	BUD	BUD	HHN	???	_
HU02A	0.98	72.5	Pg	11:19:58.746	0.4					T__		38.0		---	MLv	15330262	FDSN	ZJ	00	BUD	BUD	HHE	HHZ	_
HU02A	0.98	72.5	Lg	11:20:12.608	-1.3					T__				---		15330263	FDSN	ZJ	00	BUD	BUD	HHE	???	_
(Station ML : 1.6 1																								
JOS	1.15	54.5	Pg	11:20:00.957	0.0					T__		25.2		---	MLv	15330264	FDSN	ZJ	--	BUD	BUD	HHZ	HHZ	_
(Station ML : 1.5 1																								
TLCR	7.19	108.0	Pn	11:21:23.893	-1.2					T__				---		15330265	FDSN	IR	--	ISC	BUD	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/08/08	11:53:05.52	1.01	1.29	47.9093	20.1324	6.3	3.7	161	0.0S	8	5	112	0.16	0.83	m	sx	BUD	15309264	iLoc			222

(description : suspected quarry blast)

(locality : Kiszána Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.0	3 ILOC	15309264

Sta	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	273.4	Pg	11:53:09.754	0.2					T__		645.3		---	MLv	15309266	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.16	273.4	Lg	11:53:12.366	-0.5					T__				---		15309267	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.6 1																								
HU23A	0.28	163.7	Lg	11:53:17.258	0.5					T__				---		15309268	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
HU02A	0.34	50.9	Pg	11:53:12.396	-0.6					T__		90.2		---	MLv	15309269	FDSN	ZJ	00	BUD	iLoc	HHE	HHZ	_

HU02A	0.34	50.9	Lg	11:53:18.029	-0.8	T__	---	15309270	FDSN	ZJ	00	BUD	iLoc	HHZ	???	_		
(Station ML : 1.2 1																		
JOS	0.65	24.6	Pg	11:53:18.555	0.1	T__	52.2	---	MLv	15309271	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.65	24.6	Lg	11:53:30.838	2.4	T__	---	15309272	FDSN	ZJ	--	BUD	iLoc	HHE	???	_		
(Station ML : 1.6 1																		
A336A	0.83	293.5	Lg	11:53:34.205	-0.9	T__	---	15309273	FDSN	Z3	00	BUD	iLoc	HH3	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/08/09	08:51:31.76	1.50	0.65	48.5986	20.7095	10.5	4.2	177	0.0S	10	7	165	0.15	1.25	m	sx	BUD	15309287	iLoc			224
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.2	4 ILOC	15309287

Sta	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	228.0	Pg	08:51:35.393	0.3					T__		292.2	---	MLv	15309289	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_	
(Station ML : 1.2 1																								
KECS	0.19	232.3	Pg	08:51:36.008	0.3					T__		962.4	---	MLv	15309290	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_	
KECS	0.19	232.3	Lg	08:51:38.134	-0.7					T__			---		15309291	FDSN	SK	--	BUD	iLoc	EHE	???	_	
(Station ML : 1.8 1																								
ABAH	0.47	130.4	Pg	08:51:41.290	0.1					T__		76.2	---	MLv	15309292	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ABAH	0.47	130.4	Lg	08:51:49.916	0.7					T__			---		15309293	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.5 1																								
HU02A	0.49	194.5	Pg	08:51:41.994	-0.2					T__		41.2	---	MLv	15309294	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
HU02A	0.49	194.5	Lg	08:51:49.572	-0.5					T__			---		15309295	FDSN	ZJ	00	BUD	iLoc	HHE	???	_	
(Station ML : 1.3 1																								
PSZ	0.87	219.0	Lg	08:52:03.723	0.5					T__			---		15309296	FDSN	GE	--	BUD	iLoc	BHN	???	_	
KOLS	1.09	71.5	Lg	08:52:08.086	-1.1					T__			---		15309297	FDSN	SK	--	BUD	iLoc	HHE	???	_	
VYHS	1.25	265.9	Lg	08:52:14.569	-0.2					T__			---		15309298	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	
2019/08/09	11:08:47.18	0.11	0.21	46.0599	22.0762	1.1	0.8	101	6.1F	2.3	16	94	0.31	1.30	a	ke	BUC	15276259	ISC			360	
2019/08/09	11:08:46.75	0.85	0.32	46.0761	22.0657	3.9	2.8	68	2.6F	13.0	33	8	93	0.32	1.32	m	ke	BUD	15309316	iLoc			178

Magnitude	Err	Nsta	Author	OrigID
ml	1.6		BUC	15276259
ML	1.6	0.2	4 ILOC	15309316

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
SURR	0.32	172.7	Pg	11:08:52.932	-0.2					T__			---		15309318	FDSN	IR	--	ISC	iLoc	???	???	_	
SURR	0.32	172.7	Pg	11:08:52.932	-0.2					T__		0.1	---		15309319	FDSN	IR	--	ISC	iLoc	???	???	_	
SURR	0.32	172.7	Lg	11:08:57.666	-0.1					T__		0.1	---		15309320	FDSN	IR	--	ISC	iLoc	???	???	_	
SURR	0.32	172.7	Lg	11:08:57.666	-0.1					T__			---		15309321	FDSN	IR	--	ISC	iLoc	???	???	_	
SIRR	0.34	304.2	Pg	11:08:53.785	-0.0					T__		199.2	---	MLv	15309322	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
SIRR	0.34	304.2	Lg	11:08:58.928	-0.3					T__			---		15309323	FDSN	RO	--	BUD	iLoc	BHE	???	_	
SIRR	0.34	304.3	Pg	11:08:53.967	0.1					T__			---		15309324	FDSN	IR	--	ISC	iLoc	???	???	_	
SIRR	0.34	304.3	Pg	11:08:53.967	0.1					T__		0.1	---		15309325	FDSN	IR	--	ISC	iLoc	???	???	_	

SIRR	0.34	304.3	Lg	11:08:59.096	-0.1	T__	0.1	---	15309326	FDSN	IR	--	ISC	iLoc	???	???	_	
SIRR	0.34	304.3	Lg	11:08:59.096	-0.1	T__		---	15309327	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.5 1																		
BZS	0.55	213.2	Pg	11:08:58.337	0.9	T__	32.6	---	MLv	15309328	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.55	213.2	Lg	11:09:05.279	0.1	T__		---	15309329	FDSN	RO	--	BUD	iLoc	BHE	???	_	
BZS	0.56	214.5	Pg	11:08:57.353	-0.3	T__		---	15309330	FDSN	IR	--	ISC	iLoc	???	???	_	
BZS	0.56	214.5	Pg	11:08:57.353	-0.3	T__		---	15309331	FDSN	IR	--	ISC	iLoc	???	???	_	
BZS	0.56	214.5	Lg	11:09:05.397	-0.2	T__		---	15309332	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.3 1																		
DRGR	0.84	31.7	Pg	11:09:03.830	0.3	T__		---	15309333	FDSN	IR	--	ISC	iLoc	???	???	_	
DRGR	0.84	31.7	Pg	11:09:03.830	0.3	T__		---	15309334	FDSN	IR	--	ISC	iLoc	???	???	_	
DRGR	0.84	31.7	Lg	11:09:15.788	-0.1	T__		---	15309335	FDSN	IR	--	ISC	iLoc	???	???	_	
DRGR	0.84	31.7	Pg	11:09:02.991	-0.5	T__	59.2	---	MLv	15309336	FDSN	RO	--	BUD	iLoc	BHN	BHZ	_
DRGR	0.84	31.7	Lg	11:09:16.131	0.2	T__		---	15309337	FDSN	RO	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.7 1																		
GZR	0.85	143.6	Pg	11:09:02.875	-0.0	T__	63.3	---	MLv	15309338	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	0.85	143.6	Lg	11:09:14.781	-0.0	T__		---	15309339	FDSN	RO	--	BUD	iLoc	BHZ	???	_	
GZR	0.85	143.6	Lg	11:09:15.142	0.4	T__	0.1	---	15309340	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	0.85	143.6	Lg	11:09:15.142	0.4	T__		---	15309341	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.8 1																		
MARR	0.94	50.2	Pg	11:09:05.473	0.1	T__		---	15309342	FDSN	IR	--	ISC	iLoc	???	???	_	
MARR	0.94	50.2	Pg	11:09:05.473	0.1	T__		---	15309343	FDSN	IR	--	ISC	iLoc	???	???	_	
MARR	0.94	50.2	Lg	11:09:18.646	-0.6	T__		---	15309344	FDSN	IR	--	ISC	iLoc	???	???	_	
HERR	1.22	168.2	Pg	11:09:10.039	0.3	T__		---	15309345	FDSN	IR	--	ISC	iLoc	???	???	_	
HERR	1.22	168.2	Pg	11:09:10.039	0.3	T__		---	15309346	FDSN	IR	--	ISC	iLoc	???	???	_	
HERR	1.22	168.2	Sn	11:09:26.894	-0.6	T__		---	15309347	FDSN	IR	--	ISC	iLoc	???	???	_	
MDVR	1.32	191.0	Pg	11:09:12.318	-0.1	T__		---	15309348	FDSN	IR	--	ISC	iLoc	???	???	_	
MDVR	1.32	191.0	Pg	11:09:12.318	-0.1	T__		---	15309349	FDSN	IR	--	ISC	iLoc	???	???	_	
MDVR	1.32	191.0	Lg	11:09:30.234	0.2	T__		---	15309350	FDSN	IR	--	ISC	iLoc	???	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/08/11	23:29:49.10	0.40		47.5510	20.4380	0.1	0.1		28.0F	3.2	53			1.53	6.80	a	ke BEO	15276331	ISC			360
2019/08/11	23:29:46.70	0.13	0.89	47.6247	20.3280	1.9	1.6	176	13.5	1.1	112	61	23	0.05	4.17	m	ke BUD	15251304	scolv@krszo			360
2019/08/11	23:29:46.70		1.15	47.6000	20.3200				14.0A				4	2.71	7.06	a	ke CSEM	15276325	ISC			360
2019/08/11	23:29:47.50			47.6700	20.3000				10.0A							a	ke GFZ	15276328	ISC			360
2019/08/11	23:29:44.62	0.85	0.76	47.4202	20.1988	15.8	7.5	15	0.0A		15		141	3.06	69.10	a	ke IDC	15276317	ISC			360
2019/08/11	23:29:46.50			47.4600	20.1900				10.0A		36					a	ke PRU	15276323	ISC			360
2019/08/11	23:29:46.31	0.69	1.58	47.6224	20.3437	3.0	2.8	150	9.2F	4.7	347	159	15	0.07	68.98	m	ke BUD_GT	15309453	iLoc			19

(GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)

Magnitude	Err	Nsta	Author	OrigID
ML	3.7		BEO	15276331
M	4.0	42	BUD	15251304
MLv	4.0	0.2	42 BUD	15251304
mb	4.1		CSEM	15276325
mb	4.0		GFZ	15276328
ML	3.2		IDC	15276317
MS	3.1		IDC	15276317
mb	3.5		IDC	15276317
mbtmp	3.4		IDC	15276317
ML	4.1	0.2	54 ILOC	15309453

Sta	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	0.07	284.7	Pg	23:29:49.340	0.6					T__		345710.8		---	MLv	15309455	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.07	284.7	Lg	23:29:51.839	1.2					T__				---		15309456	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 4.0 1																								
BSZH	0.33	189.2	Pg	23:29:54.200	0.5					T__		18.8		---		15309457	FDSN	IR	--	ISC	iLoc	???	???	_
BSZH	0.33	189.2	Pg	23:29:54.782	1.1					T__		18762.5		---	MLv	15309458	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BSZH	0.33	189.2	Pg	23:29:54.932	1.3					T__				---		15309459	FDSN	IR	--	ISC	iLoc	???	???	_
BSZH	0.33	189.2	Lg	23:30:01.285	2.4					T__				---		15309460	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 3.5 0																								
PSZ	0.42	314.5	Pg	23:29:54.500	-1.1					T__		17.8		---		15309461	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.42	314.5	Pb	23:29:55.226	-0.4					T__				---		15309462	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.42	314.5	Lg	23:30:01.514	-0.9					T__				---		15309463	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.42	314.5	Pg	23:29:55.072	-0.5					T__		17759.2		---	MLv	15309464	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.42	314.5	Lg	23:30:00.994	-1.4					T__				---		15309465	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 3.7 0																								
KECS	0.87	6.3	Pn	23:30:02.800	-0.3					T__		26.9		---		15309466	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	0.87	6.3	Pn	23:30:03.092	-0.0					T__		26948.6		---	MLv	15309467	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.87	6.3	Lg	23:30:15.571	-0.2					T__				---		15309468	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 4.4 0																								
JOS	0.88	8.4	Pn	23:30:03.115	-0.2					T__		16910.4		---	MLv	15309469	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.88	8.4	Lg	23:30:15.548	-0.7					T__				---		15309470	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 4.2 1																								
HU24A	0.90	141.8	Pg	23:30:05.299	0.4					T__		6811.0		---	MLv	15309471	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 3.8 1																								
ABAH	0.90	41.4	Pn	23:30:03.500	-0.1					T__		22.7		---		15309472	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.90	41.4	Pg	23:30:04.000	-0.3					T__		22726.5		---	MLv	15309473	FDSN	HU	--	BUD	iLoc	HHE	HHZ	_
ABAH	0.90	41.4	Lg	23:30:17.314	0.0					T__				---		15309474	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 4.4 0																								
BUD	0.90	261.7	Pn	23:30:03.900	0.3					T__		13.0		---		15309475	FDSN	IR	--	ISC	iLoc	???	???	_
BUD	0.90	261.7	Pg	23:30:04.236	-0.6					T__		12955.7		---	MLv	15309476	FDSN	HU	--	BUD	iLoc	BHE	BHZ	_
BUD	0.90	261.7	Sn	23:30:17.055	-0.3					T__				---		15309477	FDSN	HU	--	BUD	iLoc	BHN	???	_
BUD	0.90	261.7	x	23:30:17.500	-99.0					---				---		15309478	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 4.1 1																								
A270A	0.92	284.5	Pg	23:30:04.534	-0.5					T__		12252.7		---	MLv	15309479	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A270A	0.92	284.5	Sn	23:30:17.226	-0.6					T__				---		15309480	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 4.1 1																								
HU06A	0.92	170.4	Pg	23:30:05.240	-0.2					T__		7127.1		---	MLv	15309481	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
HU06A	0.92	170.4	Lg	23:30:19.471	1.4					T__				---		15309482	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 3.9 1																								
BORR	1.12	118.0	Pg	23:30:08.019	-0.7					T__				---		15309483	FDSN	IR	--	ISC	iLoc	???	???	_
A269A	1.33	271.4	Pn	23:30:10.979	1.5					T__		14556.8		---	MLv	15309484	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A269A	1.33	271.4	Pg	23:30:12.345	-0.6					T__				---		15309485	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A269A	1.33	271.4	Sn	23:30:29.993	2.4					T__				---		15309486	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 4.4 0																								
VYHS	1.34	311.3	Pn	23:30:10.200	0.3					T__		0.5		---		15309487	FDSN	IR	--	ISC	iLoc	???	???	_
VYHS	1.34	311.3	Pn	23:30:10.775	0.9					T__		450.3		---	MLv	15309488	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.34	311.3	Pg	23:30:11.994	-1.1					T__				---		15309489	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.34	311.3	Sn	23:30:28.558	0.4					T__				---		15309490	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 2.9 0																								
HU21A	1.36	198.3	Pn	23:30:11.132	1.5					T__		4926.8		---	MLv	15309491	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU21A	1.36	198.3	Pg	23:30:14.023	0.3					T__				---		15309492	FDSN	ZJ	00	BUD	iLoc	HHZ	???	_
(Station ML : 3.9 1																								

SR0	1.38	278.7	Pg	23:30:13.100	-0.9	T__	14.6	---	15309493	FDSN	IR	--	ISC	iLoc	???	???	_	
SR0	1.38	278.7	x	23:30:13.400	-99.0	---	---	---	15309494	FDSN	IR	--	ISC	iLoc	???	???	_	
SR0	1.38	278.7	Pg	23:30:13.600	-0.4	T__	14644.8	---	MLv	15309495	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
SR0	1.38	278.7	Lg	23:30:32.200	-2.0	T__	---	---	---	15309496	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 4.4 0																		
CEI	1.43	86.7	Pn	23:30:11.870	0.9	T__	---	---	15309497	FDSN	IR	--	ISC	iLoc	???	???	_	
CEI	1.43	86.7	Sn	23:30:30.959	0.9	T__	---	---	15309498	FDSN	IR	--	ISC	iLoc	???	???	_	
CSKK	1.44	260.4	Pn	23:30:12.225	1.2	T__	2325.0	---	MLv	15309499	FDSN	HU	--	BUD	iLoc	HHN	HHZ	_
CSKK	1.44	260.4	Sn	23:30:31.243	0.9	T__	---	---	15309500	FDSN	HU	--	BUD	iLoc	HHN	???	_	
CSKK	1.44	260.4	Pg	23:30:13.300	-1.7	T__	23.6	---	---	15309501	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 3.7 0																		
A267A	1.44	242.6	Pn	23:30:11.830	1.0	T__	6225.7	---	MLv	15309502	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A267A	1.44	242.6	Pg	23:30:13.935	-1.1	T__	---	---	---	15309503	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A267A	1.44	242.6	Lg	23:30:33.910	-1.6	T__	---	---	---	15309504	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
(Station ML : 4.1 1																		
TRPA	1.56	70.2	Pn	23:30:12.610	-0.3	T__	1482.2	---	MLv	15309505	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
TRPA	1.56	70.2	Pg	23:30:16.025	-0.5	T__	---	---	---	15309506	FDSN	HU	--	BUD	iLoc	BHE	???	_
TRPA	1.56	70.2	Lg	23:30:37.168	-1.0	T__	---	---	---	15309507	FDSN	HU	--	BUD	iLoc	BHN	???	_
TRPA	1.56	70.2	Pn	23:30:12.400	-0.5	T__	1.5	---	---	15309508	FDSN	IR	--	ISC	iLoc	???	???	_
TRPA	1.56	70.2	Pn	23:30:12.400	-0.5	T__	---	---	---	15309509	FDSN	IR	--	ISC	iLoc	???	???	_
TRPA	1.56	70.2	x	23:30:12.800	-99.0	---	---	---	---	15309510	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 3.5 0																		
SUBS	1.58	197.7	Pg	23:30:17.500	-0.4	T__	---	---	---	15309511	FDSN	IR	--	ISC	iLoc	???	???	_
SUBS	1.58	197.7	Lg	23:30:39.700	-0.5	T__	---	---	---	15309512	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.63	145.9	Pn	23:30:14.400	0.6	T__	0.8	---	---	15309513	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.63	145.9	Pn	23:30:14.400	0.6	T__	---	---	---	15309514	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.63	145.9	Pg	23:30:14.849	-4.0	T__	---	---	---	15309515	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.63	145.9	Pb	23:30:15.400	-3.4	T__	---	---	---	15309516	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.63	145.9	Pn	23:30:14.567	0.7	T__	821.7	---	MLv	15309517	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	1.63	145.9	Pg	23:30:17.851	-1.1	T__	---	---	---	15309518	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	1.63	145.9	Sn	23:30:37.131	2.3	T__	---	---	---	15309519	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 3.3 0																		
LANS	1.64	339.4	Pn	23:30:15.487	1.2	T__	2977.8	---	MLv	15309520	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
LANS	1.64	339.4	Pn	23:30:15.600	1.3	T__	3.0	---	---	15309521	FDSN	IR	--	ISC	iLoc	???	???	_
LANS	1.64	339.4	Pn	23:30:15.600	1.3	T__	---	---	---	15309522	FDSN	IR	--	ISC	iLoc	???	???	_
LANS	1.64	339.4	Lg	23:30:39.264	-0.5	T__	---	---	---	15309523	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 3.9 1																		
HOLU	1.64	55.8	Pn	23:30:14.115	0.1	T__	---	---	---	15309524	FDSN	UA	--	BUD	iLoc	MHZ	???	_
A268A	1.65	264.2	Pn	23:30:15.340	1.3	T__	4559.8	---	MLv	15309525	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 4.1 1																		
A266A	1.80	233.1	Pn	23:30:16.730	0.9	T__	10460.7	---	MLv	15309526	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A266A	1.80	233.1	Pg	23:30:21.376	-0.4	T__	---	---	---	15309527	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A266A	1.80	233.1	Lg	23:30:45.740	-0.8	T__	---	---	---	15309528	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 4.5 0																		
NIE	1.80	359.1	Pn	23:30:18.200	1.7	T__	0.9	---	---	15309529	FDSN	IR	--	ISC	iLoc	???	???	_
NIE	1.80	359.1	Pn	23:30:18.200	1.7	T__	---	---	---	15309530	FDSN	IR	--	ISC	iLoc	???	???	_
NIE	1.80	359.1	x	23:30:18.600	-99.0	---	---	---	---	15309531	FDSN	IR	--	ISC	iLoc	???	???	_
NIE	1.80	359.4	Pn	23:30:18.475	2.0	T__	899.2	---	MLv	15309532	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	1.80	359.4	Sn	23:30:41.434	1.8	T__	---	---	---	15309533	FDSN	PL	--	BUD	iLoc	BHE	???	_
(Station ML : 3.5 0																		
DRGR	1.82	116.4	Pn	23:30:17.371	0.8	T__	1934.4	---	MLv	15309534	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	1.82	116.4	Lg	23:30:45.959	0.1	T__	---	---	---	15309535	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	1.82	116.4	Pn	23:30:17.900	1.3	T__	---	---	---	15309536	FDSN	IR	--	ISC	iLoc	???	???	_

DRGR	1.82	116.4	Pn	23:30:17.906	1.3	T__			15309537	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.82	116.4	Pg	23:30:18.100	-4.1	T__	1.9	---	15309538	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.82	116.4	Pg	23:30:18.100	-4.1	T__		---	15309539	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.82	116.4	x	23:30:18.300	-99.0	---		---	15309540	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.82	116.4	Sn	23:30:41.364	1.8	T__		---	15309541	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML	:	3.8	1														
TIH	1.82	247.5	Pn	23:30:18.500	2.3	T__	24.2	---	15309542	FDSN	IR	--	ISC	iLoc	???	???	_
TIH	1.82	247.5	Pn	23:30:18.500	2.3	T__		---	15309543	FDSN	IR	--	ISC	iLoc	???	???	_
TIH	1.82	247.5	Pn	23:30:17.312	1.0	T__	24227.8	MLv	15309544	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TIH	1.82	247.5	Pg	23:30:21.290	-0.9	T__		---	15309545	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML	:	4.9	0														
MORH	1.83	220.2	Pn	23:30:16.599	0.4	T__	818.2	MLv	15309546	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.83	220.2	Pg	23:30:21.812	-0.6	T__		---	15309547	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORH	1.83	220.2	Sn	23:30:40.013	0.9	T__		---	15309548	FDSN	HU	--	BUD	iLoc	BHN	???	_
MORH	1.83	220.2	Pn	23:30:16.300	0.1	T__	0.8	---	15309549	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.83	220.2	Pn	23:30:16.300	0.1	T__		---	15309550	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.83	220.2	x	23:30:16.700	-99.0	---		---	15309551	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.83	220.2	Pg	23:30:16.759	-5.7	T__		---	15309552	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.83	220.2	Pb	23:30:21.700	-0.7	T__		---	15309553	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.83	220.2	Sn	23:30:39.671	0.5	T__		---	15309554	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.83	220.2	Lg	23:30:46.700	-1.1	T__		---	15309555	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML	:	3.4	0														
MESR	1.83	104.0	Pn	23:30:18.019	1.3	T__		---	15309556	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	1.83	104.0	Sn	23:30:41.567	1.8	T__		---	15309557	FDSN	IR	--	ISC	iLoc	???	???	_
KOLS	1.84	43.8	Pn	23:30:17.500	0.5	T__		---	15309558	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	1.84	43.8	Pn	23:30:19.100	2.1	T__	557.0	---	15309559	FDSN	IR	--	ISC	iLoc	???	???	_
KOLS	1.84	43.8	Pn	23:30:19.100	2.1	T__		---	15309560	FDSN	IR	--	ISC	iLoc	???	???	_
KOLS	1.84	43.8	x	23:30:19.100	-99.0	---		---	15309561	FDSN	IR	--	ISC	iLoc	???	???	_
STHS	1.89	18.1	Pn	23:30:18.456	0.7	T__	5001.7	MLv	15309562	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
STHS	1.89	18.1	Pn	23:30:19.300	1.5	T__	5.0	---	15309563	FDSN	IR	--	ISC	iLoc	???	???	_
STHS	1.89	18.1	Pn	23:30:19.300	1.5	T__		---	15309564	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML	:	4.3	1														
TIM	1.98	161.9	Pn	23:30:21.593	3.0	T__		---	15309565	FDSN	IR	--	ISC	iLoc	???	???	_
TIM	1.98	161.9	Sn	23:30:45.422	2.4	T__		---	15309566	FDSN	IR	--	ISC	iLoc	???	???	_
EGYH	2.05	265.4	Pn	23:30:22.100	2.4	T__	2.9	---	15309567	FDSN	IR	--	ISC	iLoc	???	???	_
EGYH	2.05	265.4	Pn	23:30:22.100	2.4	T__		---	15309568	FDSN	IR	--	ISC	iLoc	???	???	_
EGYH	2.05	265.3	Pn	23:30:21.455	1.8	T__	2885.5	MLv	15309569	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
EGYH	2.05	265.3	Sn	23:30:45.904	0.7	T__		---	15309570	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML	:	4.1	1														
A265A	2.12	236.4	Pn	23:30:21.182	0.9	T__	4339.7	MLv	15309571	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A265A	2.12	236.4	Lg	23:30:55.652	-0.8	T__		---	15309572	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML	:	4.3	1														
BMR	2.13	87.5	x	23:30:21.100	-99.0	---		---	15309573	FDSN	IR	--	ISC	iLoc	???	???	_
BMR	2.13	87.5	x	23:30:21.100	-99.0	---		---	15309574	FDSN	IR	--	ISC	iLoc	???	???	_
BMR	2.13	87.5	Pn	23:30:21.155	0.1	T__		---	15309575	FDSN	IR	--	ISC	iLoc	???	???	_
BMR	2.13	87.5	Sn	23:30:47.923	0.6	T__		---	15309576	FDSN	IR	--	ISC	iLoc	???	???	_
BMR	2.13	87.5	Pn	23:30:20.901	-0.2	T__	4181.6	MLv	15309577	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Station ML	:	4.3	1														
JAVC	2.17	305.7	Pn	23:30:22.943	1.1	T__		---	15309578	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	2.17	305.7	x	23:30:23.100	-99.0	---		---	15309579	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	2.17	225.9	Pn	23:30:21.485	0.4	T__	1987.2	MLv	15309580	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	2.17	225.9	Pg	23:30:28.079	-1.0	T__		---	15309581	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML	:	4.0	1														

BZS	2.19	155.9	Pn	23:30:22.600	0.9	T__	0.7	---	15309582	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	2.19	155.9	Pn	23:30:22.600	0.9	T__		---	15309583	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	2.19	155.9	Pg	23:30:23.000	-6.4	T__		---	15309584	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	2.19	155.9	Pb	23:30:23.119	-6.2	T__		---	15309585	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	2.19	155.9	Sn	23:30:48.864	0.7	T__		---	15309586	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 3.5 0)																	
MODS	2.19	291.2	x	23:30:19.300	-99.0	---		---	15309587	FDSN	IR	--	ISC	iLoc	???	???	_
MODS	2.19	291.2	x	23:30:19.300	-99.0	---		---	15309588	FDSN	IR	--	ISC	iLoc	???	???	_
MODS	2.19	291.2	Pg	23:30:26.728	-3.0	T__		---	15309589	FDSN	SK	--	BUD	iLoc	HHE	???	_
BZS	2.19	155.5	Pn	23:30:22.819	1.1	T__	670.3	---	15309590	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	2.19	155.5	Sn	23:30:48.721	0.4	T__		---	15309591	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 3.5 0)																	
SURR	2.24	146.1	Pn	23:30:23.698	1.4	T__		---	15309592	FDSN	IR	--	ISC	iLoc	???	???	_
ZST	2.25	285.9	Pn	23:30:23.387	0.7	T__		---	15309593	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	2.25	285.9	Pn	23:30:23.600	0.9	T__	79.0	---	15309594	FDSN	IR	--	ISC	iLoc	???	???	_
ZST	2.25	285.9	Pn	23:30:23.600	0.9	T__		---	15309595	FDSN	IR	--	ISC	iLoc	???	???	_
ZST	2.25	285.9	Sn	23:30:50.125	-0.4	T__		---	15309596	FDSN	SK	--	BUD	iLoc	HHN	???	_
A263A	2.29	245.7	Pn	23:30:24.168	1.4	T__	4438.1	---	15309597	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A263A	2.29	245.7	Pg	23:30:29.517	-1.5	T__		---	15309598	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
(Station ML : 4.4 0)																	
MEZ	2.31	66.1	Pn	23:30:24.270	0.5	T__		---	15309599	FDSN	UA	--	BUD	iLoc	BHZ	???	_
MEZ	2.31	66.1	Pg	23:30:30.571	0.1	T__		---	15309600	FDSN	UA	--	BUD	iLoc	BHZ	???	_
BANR	2.31	166.0	Pn	23:30:25.121	1.9	T__	11487.4	---	15309601	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BANR	2.31	166.0	Pn	23:30:25.400	2.2	T__		---	15309602	FDSN	IR	--	ISC	iLoc	???	???	_
BANR	2.31	166.0	Pg	23:30:27.300	-4.1	T__	11.5	---	15309603	FDSN	IR	--	ISC	iLoc	???	???	_
BANR	2.31	166.0	Pg	23:30:27.300	-4.1	T__		---	15309604	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 4.8 0)																	
CBBR	2.35	110.2	Pn	23:30:25.380	1.4	T__		---	15309605	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	2.40	111.1	Pn	23:30:26.116	1.2	T__	3178.9	---	15309606	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
CJR	2.40	111.1	Pn	23:30:27.300	2.4	T__	3.2	---	15309607	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	2.40	111.1	Pn	23:30:27.300	2.4	T__		---	15309608	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 4.3 1)																	
MAUC	2.42	317.1	Pn	23:30:26.700	1.5	T__		---	15309609	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	2.47	133.7	Pn	23:30:26.865	1.2	T__	856.7	---	15309610	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DEV	2.47	133.7	Sn	23:30:56.307	1.6	T__		---	15309611	FDSN	RO	--	BUD	iLoc	BHE	???	_
DEV	2.47	133.7	Pn	23:30:27.173	1.4	T__		---	15309612	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	2.47	133.7	x	23:30:27.300	-99.0	---		---	15309613	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	2.47	133.7	Pg	23:30:27.600	-6.7	---	0.9	---	15309614	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	2.47	133.7	Pg	23:30:27.600	-6.7	---		---	15309615	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 3.8 1)																	
A260A	2.49	263.5	Pn	23:30:28.078	2.4	T__	1202.0	---	15309616	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A260A	2.49	263.5	Pg	23:30:34.263	-0.6	T__		---	15309617	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A260A	2.49	263.5	Sn	23:30:57.915	2.2	T__		---	15309618	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 4.0 1)																	
FRGS	2.51	188.2	Pn	23:30:26.746	0.7	T__	1379.7	---	15309619	FDSN	SJ	--	BUD	iLoc	HHZ	HHZ	_
(Station ML : 4.0 1)																	
KWP	2.55	37.1	Pg	23:30:31.300	-2.9	T__	6.5	---	15309620	FDSN	IR	--	ISC	iLoc	???	???	_
KWP	2.55	37.1	Pg	23:30:31.300	-2.9	T__		---	15309621	FDSN	IR	--	ISC	iLoc	???	???	_
KWP	2.55	37.1	x	23:30:31.600	-99.0	---		---	15309622	FDSN	IR	--	ISC	iLoc	???	???	_
A264A	2.56	236.2	Pn	23:30:27.614	1.1	T__	2307.9	---	15309623	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A264A	2.56	236.2	Pg	23:30:35.187	-0.9	T__		---	15309624	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A264A	2.56	236.2	Lg	23:31:11.573	1.6	T__		---	15309625	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 4.3 1)																	

SOP	2.56	272.8	Pn	23:30:27.722	1.0	T__	661.4	---	MLv	15309626	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
SOP	2.56	272.8	Sn	23:30:58.001	0.4	T__		---		15309627	FDSN	HU	--	BUD	iLoc	BHE	???	_
SOP	2.56	272.8	Lg	23:31:11.600	0.3	T__		---		15309628	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 3.7 0																		
VRSS	2.59	164.4	Pn	23:30:28.100	0.8	T__		---		15309629	FDSN	IR	--	ISC	iLoc	???	???	_
VRSS	2.59	164.4	Sn	23:30:57.800	-0.2	T__		---		15309630	FDSN	IR	--	ISC	iLoc	???	???	_
OJC	2.62	352.3	Pn	23:30:29.200	1.0	T__	0.7	---		15309631	FDSN	IR	--	ISC	iLoc	???	???	_
OJC	2.62	352.3	Pn	23:30:29.200	1.0	T__		---		15309632	FDSN	IR	--	ISC	iLoc	???	???	_
OJC	2.62	352.3	x	23:30:29.300	-99.0	---		---		15309633	FDSN	IR	--	ISC	iLoc	???	???	_
OJC	2.62	352.3	Pn	23:30:29.417	1.2	T__	691.2	---	MLv	15309634	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 3.8 1																		
OKC	2.65	327.6	Pn	23:30:29.800	1.5	T__		---		15309635	FDSN	IR	--	ISC	iLoc	???	???	_
OKC	2.65	327.6	x	23:30:29.800	-99.0	---		---		15309636	FDSN	IR	--	ISC	iLoc	???	???	_
OKC	2.65	327.6	Pg	23:30:30.000	-7.6	---	0.2	---		15309637	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	2.70	246.0	Pn	23:30:31.155	2.6	T__	1001.3	---	MLv	15309638	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BEHE	2.70	246.0	Pg	23:30:37.222	-1.4	T__	1001.2	---	MLv	15309639	FDSN	HU	--	BUD	iLoc	BHE	BHZ	_
BEHE	2.70	246.0	Pg	23:30:36.600	-2.0	T__		---		15309640	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	2.70	246.0	Pb	23:30:36.800	-1.8	T__		---		15309641	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	2.70	246.0	x	23:30:37.400	-99.0	---		---		15309642	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 4.0 1																		
A262A	2.71	255.1	Pg	23:30:39.157	0.5	T__	1138.2	---	MLv	15309643	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A262A	2.71	255.1	Sn	23:31:03.410	2.6	T__		---		15309644	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A262A	2.71	255.1	Lg	23:31:16.585	1.6	T__		---		15309645	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 4.1 1																		
RONA	2.74	273.1	Pn	23:30:30.164	0.8	T__	19.7	0.24	---	15309646	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	2.74	273.1	Sn	23:31:01.122	-1.0	T__	42.6	0.20	---	15309647	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	2.78	99.7	Pn	23:30:31.333	1.1	T__	1625.5	---	MLv	15309648	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 4.3 1																		
GZR	2.79	142.1	Pn	23:30:32.069	1.6	T__	859.4	---	MLv	15309649	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	2.79	142.1	Pn	23:30:32.300	1.8	T__		---		15309650	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	2.79	142.1	Sn	23:31:04.110	1.0	T__		---		15309651	FDSN	RO	--	BUD	iLoc	BHE	???	_
GZR	2.79	142.1	Sn	23:31:04.213	1.1	T__		---		15309652	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 4.0 1																		
BEO	2.80	178.4	Pn	23:30:31.312	1.4	T__	539.9	---	MLv	15309653	FDSN	SJ	--	BUD	iLoc	BHZ	BHZ	_
BEO	2.80	178.4	Sn	23:31:02.408	-0.7	T__		---		15309654	FDSN	SJ	--	BUD	iLoc	BHE	???	_
BEO	2.82	178.1	Pn	23:30:31.000	0.9	T__		---		15309655	FDSN	IR	--	ISC	iLoc	???	???	_
BEO	2.82	178.1	x	23:30:31.200	-99.0	---		---		15309656	FDSN	IR	--	ISC	iLoc	???	???	_
BEO	2.82	178.1	Pg	23:30:47.700	7.6	---		---		15309657	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 3.8 1																		
MORC	2.84	320.3	Pn	23:30:31.800	0.7	T__		---		15309658	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	2.84	320.3	Pg	23:30:32.000	-9.2	---		---		15309659	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	2.84	320.3	Pg	23:30:32.001	-9.2	---		---		15309660	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	2.84	320.3	Sn	23:31:06.000	-0.3	T__		---		15309661	FDSN	IR	--	ISC	iLoc	???	???	_
STEB	2.87	324.6	Pn	23:30:32.500	1.2	T__		---		15309662	FDSN	IR	--	ISC	iLoc	???	???	_
STEB	2.87	324.6	Lg	23:31:17.100	-0.4	T__		---		15309663	FDSN	IR	--	ISC	iLoc	???	???	_
AVAS	2.93	177.6	Pn	23:30:32.900	1.1	T__		---		15309664	FDSN	IR	--	ISC	iLoc	???	???	_
AVAS	2.93	177.6	Sn	23:31:04.800	-1.7	T__		---		15309665	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	3.00	161.0	Pn	23:30:34.000	0.9	T__		---		15309666	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	3.00	161.0	Pg	23:30:34.228	-10.0	---		---		15309667	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	3.00	300.1	Pn	23:30:33.300	0.2	T__		---		15309668	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	3.00	300.1	x	23:30:33.500	-99.0	---		---		15309669	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	3.00	300.1	Sn	23:31:08.800	-0.7	T__		---		15309670	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	3.01	305.4	Pn	23:30:33.900	0.6	T__		---		15309671	FDSN	IR	--	ISC	iLoc	???	???	_

VRAC	3.01	305.4	Pn	23:30:33.945	0.6	T__	37.6	0.33	---	15309672	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	3.01	305.4	x	23:30:34.000	-99.0	---	---	---	---	15309673	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	3.01	305.4	Pg	23:30:34.164	-10.7	---	---	---	---	15309674	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	3.01	305.4	x	23:31:08.600	-99.0	---	---	---	---	15309675	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	3.01	305.4	Sn	23:31:08.825	-1.3	T__	---	---	---	15309676	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	3.01	305.4	Sn	23:31:08.845	-1.3	T__	13.9	0.33	---	15309677	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	3.04	248.7	Pg	23:30:43.400	-1.1	T__	---	---	---	15309678	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	3.04	248.7	Lg	23:31:26.550	1.8	T__	---	---	---	15309679	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	3.04	277.4	Pn	23:30:34.387	0.7	T__	569.9	---	MLv	15309680	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
CONA	3.04	277.4	Pn	23:30:34.100	0.4	T__	0.6	---	---	15309681	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	3.04	277.4	Pn	23:30:34.100	0.4	T__	---	---	---	15309682	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	3.04	277.4	Sn	23:31:08.856	-1.0	T__	72.4	0.40	---	15309683	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 3.9 1																		
HERR	3.10	151.6	Pn	23:30:35.936	1.5	T__	---	---	---	15309684	FDSN	IR	--	ISC	iLoc	???	???	_
TEKS	3.13	190.7	Pn	23:30:35.200	0.7	T__	---	---	---	15309685	FDSN	IR	--	ISC	iLoc	???	???	_
TEKS	3.13	190.7	Sn	23:31:09.300	-1.9	T__	---	---	---	15309686	FDSN	IR	--	ISC	iLoc	???	???	_
MDB	3.14	116.7	Pn	23:30:37.623	2.3	T__	---	---	---	15309687	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	3.19	232.2	Pg	23:30:46.200	-1.5	T__	---	---	---	15309688	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	3.21	131.4	Pn	23:30:38.005	1.3	T__	---	---	---	15309689	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	3.21	131.4	x	23:30:38.100	-99.0	---	---	---	---	15309690	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	3.21	131.4	Pn	23:30:37.842	1.1	T__	592.0	---	MLv	15309691	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
LOT	3.21	131.4	Sn	23:31:16.462	2.6	T__	---	---	---	15309692	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 4.1 1																		
DOB	3.28	209.2	Pg	23:30:50.400	1.9	T__	---	---	---	15309693	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	3.28	87.8	Pn	23:30:38.282	0.5	T__	---	---	---	15309694	FDSN	RO	--	BUD	iLoc	BHZ	???	_
ARSA	3.29	265.3	Pn	23:30:38.260	1.2	T__	407.8	---	MLv	15309695	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
ARSA	3.29	265.3	Sn	23:31:15.315	0.2	T__	---	---	---	15309696	FDSN	OE	--	BUD	iLoc	BHE	???	_
ARSA	3.29	265.3	Pn	23:30:38.400	1.4	T__	0.4	---	---	15309697	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	3.29	265.3	Pg	23:30:38.500	-10.9	---	---	---	---	15309698	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	3.29	265.3	x	23:30:38.700	-99.0	---	---	---	---	15309699	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	3.29	265.3	x	23:30:38.700	-99.0	---	---	---	---	15309700	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 3.9 1																		
KUBS	3.34	163.4	Pn	23:30:37.100	-0.7	T__	---	---	---	15309701	FDSN	IR	--	ISC	iLoc	???	???	_
KUBS	3.34	163.4	Sn	23:31:15.900	-0.2	T__	---	---	---	15309702	FDSN	IR	--	ISC	iLoc	???	???	_
KRLC	3.40	317.5	Pn	23:30:40.000	1.2	T__	---	---	---	15309703	FDSN	IR	--	ISC	iLoc	???	???	_
KRLC	3.40	317.5	AMS	23:32:00.000	-99.0	---	300.0	10.40	---	15309704	FDSN	IR	--	ISC	iLoc	???	???	_
TRUS	3.40	179.2	Pn	23:30:39.500	1.2	T__	---	---	---	15309705	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	3.46	241.9	Pg	23:30:51.348	-0.7	T__	754.4	---	MLv	15309706	FDSN	CR	--	BUD	iLoc	BHE	BHZ	_
PTJ	3.46	241.9	Pg	23:30:50.500	-1.9	T__	---	---	---	15309707	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 4.3 1																		
ZAG	3.49	240.7	Pg	23:30:52.100	-0.5	T__	---	---	---	15309708	FDSN	IR	--	ISC	iLoc	???	???	_
ZAG	3.49	240.7	Pg	23:30:52.799	0.2	T__	1024.9	---	MLv	15309709	FDSN	CR	--	BUD	iLoc	BHN	BHZ	_
(Station ML : 4.5 0																		
A051A	3.53	223.6	Pg	23:30:53.600	-0.3	T__	---	---	---	15309710	FDSN	IR	--	ISC	iLoc	???	???	_
DIVS	3.53	184.1	Pn	23:30:41.100	0.7	T__	---	---	---	15309711	FDSN	IR	--	ISC	iLoc	???	???	_
DIVS	3.53	184.1	Sn	23:31:20.600	-1.0	T__	---	---	---	15309712	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	3.59	218.9	Pn	23:30:42.021	0.8	T__	474.4	---	MLv	15309713	FDSN	MN	--	BUD	iLoc	BHZ	BHZ	_
BLY	3.62	218.5	Pn	23:30:42.203	0.6	T__	---	---	---	15309714	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	3.62	218.5	Pg	23:30:43.400	-11.7	---	---	---	---	15309715	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	3.62	218.5	Pb	23:30:49.000	-6.1	---	---	---	---	15309716	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	3.62	218.5	Pn	23:30:55.500	13.9	---	---	---	---	15309717	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	3.62	218.5	Sn	23:31:23.696	0.5	T__	---	---	---	15309718	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 4.2 1																		

TREC	3.64	299.2	x	23:30:42.700	-99.0	---	---	15309719	FDSN	IR	--	ISC	iLoc	???	???	_	
TREC	3.64	299.2	Pn	23:30:42.800	0.6	T__	---	15309720	FDSN	IR	--	ISC	iLoc	???	???	_	
TREC	3.64	299.2	Sn	23:31:24.900	-0.2	T__	---	15309721	FDSN	IR	--	ISC	iLoc	???	???	_	
ARR	3.72	125.7	Pn	23:30:44.892	1.0	T__	---	15309722	FDSN	IR	--	ISC	iLoc	???	???	_	
ARR	3.72	125.7	x	23:30:44.900	-99.0	---	---	15309723	FDSN	IR	--	ISC	iLoc	???	???	_	
GRUS	3.74	175.9	Pn	23:30:44.200	1.1	T__	---	15309724	FDSN	IR	--	ISC	iLoc	???	???	_	
GRUS	3.74	175.9	Sn	23:31:25.300	-0.5	T__	---	15309725	FDSN	IR	--	ISC	iLoc	???	???	_	
SOKA	3.75	257.3	Pn	23:30:44.006	0.5	T__	2.3 0.20	15309726	FDSN	IR	--	ISC	iLoc	???	???	_	
SOKA	3.75	257.3	Sn	23:31:27.273	0.9	T__	17.4 0.50	15309727	FDSN	IR	--	ISC	iLoc	???	???	_	
DPC	3.80	317.4	Pn	23:30:45.600	1.0	T__	---	15309728	FDSN	IR	--	ISC	iLoc	???	???	_	
DPC	3.80	317.4	AMS	23:32:10.000	-99.0	---	400.0 6.00	15309729	FDSN	IR	--	ISC	iLoc	???	???	_	
BBLs	3.81	190.2	Pn	23:30:45.410	1.3	T__	3488.1	MLv	15309730	FDSN	SJ	--	BUD	iLoc	BHZ	BHZ	_
BBLs	3.81	190.2	Sn	23:31:28.822	1.2	T__	---	15309731	FDSN	SJ	--	BUD	iLoc	BHN	???	_	
BBLs	3.81	190.3	Pn	23:30:45.300	0.9	T__	---	15309732	FDSN	IR	--	ISC	iLoc	???	???	_	
BBLs	3.81	190.3	Pg	23:30:45.700	-11.7	---	3.5	15309733	FDSN	IR	--	ISC	iLoc	???	???	_	
BBLs	3.81	190.3	Pg	23:30:45.700	-11.7	---	---	15309734	FDSN	IR	--	ISC	iLoc	???	???	_	
BBLs	3.81	190.3	Sn	23:31:27.600	-0.5	T__	---	15309735	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 5.1 0)																	
DOPR	3.84	113.7	Pn	23:30:46.471	1.1	T__	---	15309736	FDSN	IR	--	ISC	iLoc	???	???	_	
OZLJ	3.91	240.9	Pg	23:30:54.200	-5.6	T__	---	15309737	FDSN	IR	--	ISC	iLoc	???	???	_	
VOIR	3.91	122.2	Pn	23:30:47.922	1.3	T__	---	15309738	FDSN	IR	--	ISC	iLoc	???	???	_	
VOIR	3.91	122.2	x	23:30:48.100	-99.0	---	---	15309739	FDSN	IR	--	ISC	iLoc	???	???	_	
VOIR	3.91	122.2	x	23:30:48.100	-99.0	---	---	15309740	FDSN	IR	--	ISC	iLoc	???	???	_	
OSTC	4.00	318.8	Pn	23:30:48.100	0.8	T__	---	15309741	FDSN	IR	--	ISC	iLoc	???	???	_	
OSTC	4.00	318.8	AMS	23:32:20.000	-99.0	---	300.0 9.60	15309742	FDSN	IR	--	ISC	iLoc	???	???	_	
PRAR	4.00	91.6	Pn	23:30:49.135	1.7	T__	---	15309743	FDSN	IR	--	ISC	iLoc	???	???	_	
ZAGS	4.03	160.2	Pn	23:30:48.600	1.3	T__	---	15309744	FDSN	IR	--	ISC	iLoc	???	???	_	
ZAGS	4.03	160.2	Sn	23:31:33.600	1.3	T__	---	15309745	FDSN	IR	--	ISC	iLoc	???	???	_	
OZUR	4.03	110.2	Pn	23:30:49.724	1.6	T__	---	15309746	FDSN	IR	--	ISC	iLoc	???	???	_	
IVAS	4.05	182.0	Pn	23:30:48.000	0.4	T__	---	15309747	FDSN	IR	--	ISC	iLoc	???	???	_	
IVAS	4.05	182.0	Sn	23:31:32.600	-1.2	T__	---	15309748	FDSN	IR	--	ISC	iLoc	???	???	_	
UPC	4.06	317.0	x	23:30:48.800	-99.0	---	---	15309749	FDSN	IR	--	ISC	iLoc	???	???	_	
UPC	4.06	317.0	Pn	23:30:48.900	0.9	T__	---	15309750	FDSN	IR	--	ISC	iLoc	???	???	_	
UPC	4.06	317.0	AMS	23:32:30.000	-99.0	---	300.0 8.80	15309751	FDSN	IR	--	ISC	iLoc	???	???	_	
RUDO	4.06	190.0	Pn	23:30:47.800	-0.0	T__	---	15309752	FDSN	IR	--	ISC	iLoc	???	???	_	
RUDO	4.06	190.0	Pn	23:30:47.800	-0.0	T__	---	15309753	FDSN	IR	--	ISC	iLoc	???	???	_	
GOCS	4.08	174.6	Pn	23:30:49.100	1.0	T__	---	15309754	FDSN	IR	--	ISC	iLoc	???	???	_	
GOCS	4.08	174.6	Sn	23:31:33.000	-1.4	T__	---	15309755	FDSN	IR	--	ISC	iLoc	???	???	_	
CHVC	4.09	318.1	Pn	23:30:49.500	0.9	T__	---	15309756	FDSN	IR	--	ISC	iLoc	???	???	_	
BOVS	4.10	166.0	Pn	23:30:50.347	2.3	T__	---	15309757	FDSN	IR	--	ISC	iLoc	???	???	_	
BOJS	4.10	240.8	Pn	23:30:51.400	3.1	T__	---	15309758	FDSN	IR	--	ISC	iLoc	???	???	_	
MOA	4.11	275.4	Pn	23:30:49.573	0.9	T__	6.1 0.18	15309759	FDSN	IR	--	ISC	iLoc	???	???	_	
MOA	4.11	275.4	Pg	23:30:49.700	-15.1	---	---	15309760	FDSN	IR	--	ISC	iLoc	???	???	_	
MOA	4.11	275.4	x	23:30:49.800	-99.0	---	---	15309761	FDSN	IR	--	ISC	iLoc	???	???	_	
MOA	4.11	275.4	Sn	23:31:38.155	2.0	T__	11.9 0.30	15309762	FDSN	IR	--	ISC	iLoc	???	???	_	
AO5OA	4.11	221.6	Pg	23:31:04.300	0.2	T__	---	15309763	FDSN	IR	--	ISC	iLoc	???	???	_	
OBKA	4.11	256.4	Pn	23:30:49.682	0.9	T__	286.5	MLv	15309764	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
OBKA	4.11	256.4	Pg	23:31:06.138	3.1	T__	---	15309765	FDSN	OE	--	BUD	iLoc	BHE	???	_	
OBKA	4.11	256.4	x	23:30:51.300	-99.0	---	---	15309766	FDSN	IR	--	ISC	iLoc	???	???	_	
OBKA	4.11	256.4	Pn	23:30:53.300	4.5	T__	0.3	15309767	FDSN	IR	--	ISC	iLoc	???	???	_	
OBKA	4.11	256.4	Sn	23:31:36.853	1.1	T__	26.3 0.36	15309768	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 4.1 1)																	
KSP	4.17	322.0	Pn	23:30:50.770	1.0	T__	291.3	MLv	15309769	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_

KSP	4.17	322.0	Pn	23:30:50.600	0.8	T__	0.3	---	15309770	FDSN	IR	--	ISC	iLoc	???	???	_
KSP	4.17	322.0	x	23:30:51.000	-99.0	---	---	---	15309771	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 4.1 1																	
TURR	4.20	109.9	Pn	23:30:51.676	1.3	T__	---	---	15309772	FDSN	IR	--	ISC	iLoc	???	???	_
CKRC	4.21	288.8	Pn	23:30:50.800	0.8	T__	---	---	15309773	FDSN	IR	--	ISC	iLoc	???	???	_
GOPC	4.33	304.0	Pn	23:30:52.100	0.1	T__	---	---	15309774	FDSN	IR	--	ISC	iLoc	???	???	_
GOPC	4.33	304.0	Sn	23:31:41.200	-1.7	T__	---	---	15309775	FDSN	IR	--	ISC	iLoc	???	???	_
PLE	4.34	189.2	Pn	23:30:52.800	0.7	T__	---	---	15309776	FDSN	IR	--	ISC	iLoc	???	???	_
SJES	4.37	183.6	Pn	23:30:53.200	0.9	T__	---	---	15309777	FDSN	IR	--	ISC	iLoc	???	???	_
SJES	4.37	183.6	Sn	23:31:39.900	-2.2	T__	---	---	15309778	FDSN	IR	--	ISC	iLoc	???	???	_
MLR	4.41	116.8	Pn	23:30:53.869	0.1	T__	4.4	0.93	15309779	FDSN	IR	--	ISC	iLoc	???	???	_
MLR	4.41	116.8	Pg	23:30:54.393	-17.1	---	---	---	15309780	FDSN	IR	--	ISC	iLoc	???	???	_
MLR	4.41	116.8	Pg	23:30:54.400	-17.1	---	---	---	15309781	FDSN	IR	--	ISC	iLoc	???	???	_
MLR	4.41	116.8	x	23:30:54.400	-99.0	---	---	---	15309782	FDSN	IR	--	ISC	iLoc	???	???	_
MLR	4.41	116.8	x	23:30:58.500	-99.0	---	---	---	15309783	FDSN	IR	--	ISC	iLoc	???	???	_
MLR	4.41	116.8	Pb	23:30:59.100	-12.4	---	---	---	15309784	FDSN	IR	--	ISC	iLoc	???	???	_
MLR	4.41	116.8	Sn	23:31:45.869	1.0	T__	1.2	0.33	15309785	FDSN	IR	--	ISC	iLoc	???	???	_
TESR	4.45	102.1	x	23:30:54.800	-99.0	---	---	---	15309786	FDSN	IR	--	ISC	iLoc	???	???	_
TESR	4.45	102.1	x	23:30:54.800	-99.0	---	---	---	15309787	FDSN	IR	--	ISC	iLoc	???	???	_
TESR	4.45	102.1	Pn	23:30:55.290	1.5	T__	---	---	15309788	FDSN	IR	--	ISC	iLoc	???	???	_
HUMR	4.47	132.1	x	23:30:58.900	-99.0	---	---	---	15309789	FDSN	IR	--	ISC	iLoc	???	???	_
ZVC	4.47	296.2	Pn	23:30:54.300	0.5	T__	---	---	15309790	FDSN	IR	--	ISC	iLoc	???	???	_
PRU	4.51	303.8	x	23:30:54.300	-99.0	---	---	---	15309791	FDSN	IR	--	ISC	iLoc	???	???	_
PRU	4.51	303.8	Pn	23:30:54.400	0.0	T__	---	---	15309792	FDSN	IR	--	ISC	iLoc	???	???	_
PRU	4.51	303.8	Sn	23:31:44.500	-2.3	T__	---	---	15309793	FDSN	IR	--	ISC	iLoc	???	???	_
BIOA	4.53	273.3	Pn	23:30:55.412	0.7	T__	11.8	0.20	15309794	FDSN	IR	--	ISC	iLoc	???	???	_
BIOA	4.53	273.3	Sn	23:31:46.775	0.2	T__	22.0	0.42	15309795	FDSN	IR	--	ISC	iLoc	???	???	_
KIJV	4.55	218.7	Pn	23:30:55.500	0.5	T__	---	---	15309796	FDSN	IR	--	ISC	iLoc	???	???	_
KIJV	4.55	218.7	x	23:30:56.700	-99.0	---	---	---	15309797	FDSN	IR	--	ISC	iLoc	???	???	_
KIJV	4.55	218.7	x	23:30:58.800	-99.0	---	---	---	15309798	FDSN	IR	--	ISC	iLoc	???	???	_
GERES	4.60	287.9	Pn	23:30:56.300	0.7	T__	1.7	0.33	15309799	FDSN	IR	--	ISC	iLoc	???	???	_
GERES	4.60	287.9	Sn	23:31:48.475	-0.2	T__	1.0	0.33	15309800	FDSN	IR	--	ISC	iLoc	???	???	_
ZAPS	4.64	158.8	Pn	23:30:56.600	0.8	T__	---	---	15309801	FDSN	IR	--	ISC	iLoc	???	???	_
MYKA	4.68	260.2	Pn	23:30:57.405	0.7	T__	1.2	0.20	15309802	FDSN	IR	--	ISC	iLoc	???	???	_
MYKA	4.68	260.2	Sn	23:31:49.823	0.0	T__	13.3	0.56	15309803	FDSN	IR	--	ISC	iLoc	???	???	_
PLOR	4.68	109.9	Pn	23:30:58.802	1.6	T__	---	---	15309804	FDSN	IR	--	ISC	iLoc	???	???	_
VRI	4.73	109.5	Pn	23:30:58.800	1.0	T__	0.2	---	15309805	FDSN	IR	--	ISC	iLoc	???	???	_
VRI	4.73	109.5	x	23:30:58.800	-99.0	---	---	---	15309806	FDSN	IR	--	ISC	iLoc	???	???	_
VRI	4.73	109.5	Pg	23:30:58.851	-18.5	---	---	---	15309807	FDSN	IR	--	ISC	iLoc	???	???	_
VRI	4.73	109.5	x	23:30:59.800	-99.0	---	---	---	15309808	FDSN	IR	--	ISC	iLoc	???	???	_
VRI	4.73	109.5	Pb	23:31:01.000	-16.4	---	0.2	---	15309809	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	4.75	291.0	x	23:30:58.300	-99.0	---	---	---	15309810	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	4.75	291.0	Pn	23:30:58.400	0.8	T__	---	---	15309811	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	4.75	291.0	x	23:32:08.000	-99.0	---	---	---	15309812	FDSN	IR	--	ISC	iLoc	???	???	_
BEY	4.76	184.0	Pn	23:30:59.300	1.5	T__	---	---	15309813	FDSN	IR	--	ISC	iLoc	???	???	_
PVCC	4.78	309.6	x	23:30:58.200	-99.0	---	---	---	15309814	FDSN	IR	--	ISC	iLoc	???	???	_
PVCC	4.78	309.6	Pn	23:30:58.400	0.0	T__	---	---	15309815	FDSN	IR	--	ISC	iLoc	???	???	_
ACOM	4.79	259.5	x	23:30:57.500	-99.0	---	---	---	15309816	FDSN	IR	--	ISC	iLoc	???	???	_
KBA	4.79	266.1	Pn	23:30:59.007	0.4	T__	14.0	0.34	15309817	FDSN	IR	--	ISC	iLoc	???	???	_
KBA	4.79	266.1	x	23:30:59.800	-99.0	---	---	---	15309818	FDSN	IR	--	ISC	iLoc	???	???	_
KBA	4.79	266.1	x	23:30:59.800	-99.0	---	---	---	15309819	FDSN	IR	--	ISC	iLoc	???	???	_
KBA	4.79	266.1	Sn	23:31:52.484	-0.8	T__	15.3	0.38	15309820	FDSN	IR	--	ISC	iLoc	???	???	_
KOME	4.81	187.3	Pn	23:30:59.600	1.0	T__	---	---	15309821	FDSN	IR	--	ISC	iLoc	???	???	_

BISRR	4.85	113.0	Pg	23:31:10.700	-9.2	---	---	15309822	FDSN	IR	--	ISC	iLoc	???	???	-
BARS	4.92	167.3	Pn	23:31:00.900	1.4	T__	---	15309823	FDSN	IR	--	ISC	iLoc	???	???	-
BARS	4.92	167.3	Sn	23:31:53.000	-1.4	T__	---	15309824	FDSN	IR	--	ISC	iLoc	???	???	-
RICC	5.04	307.8	Pn	23:31:01.100	-0.9	T__	---	15309825	FDSN	IR	--	ISC	iLoc	???	???	-
GHRR	5.09	105.3	x	23:31:05.900	-99.0	---	91.7 0.60	15309826	FDSN	IR	--	ISC	iLoc	???	???	-
RJOB	5.10	274.1	x	23:31:03.400	-99.0	---	18.4 0.70	15309827	FDSN	IR	--	ISC	iLoc	???	???	-
TREB	5.10	196.8	Pn	23:31:02.600	-0.3	T__	---	15309828	FDSN	IR	--	ISC	iLoc	???	???	-
TREB	5.10	196.8	Pg	23:31:04.200	-14.5	---	---	15309829	FDSN	IR	--	ISC	iLoc	???	???	-
STON	5.10	202.4	Pn	23:31:04.000	1.2	T__	---	15309830	FDSN	IR	--	ISC	iLoc	???	???	-
STON	5.10	202.4	Pn	23:31:04.000	1.2	T__	---	15309831	FDSN	IR	--	ISC	iLoc	???	???	-
FUSE	5.17	259.2	x	23:31:07.200	-99.0	---	31.9 0.70	15309832	FDSN	IR	--	ISC	iLoc	???	???	-
PLVB	5.19	143.1	Pn	23:31:05.328	1.4	T__	---	15309833	FDSN	IR	--	ISC	iLoc	???	???	-
LESA	5.20	270.6	Pn	23:31:04.712	0.5	T__	2.2 0.20	15309834	FDSN	IR	--	ISC	iLoc	???	???	-
LESA	5.20	270.6	Sn	23:32:02.533	-0.2	T__	3.2 0.26	15309835	FDSN	IR	--	ISC	iLoc	???	???	-
WET	5.20	289.8	x	23:31:04.300	-99.0	---	18.5 0.40	15309836	FDSN	IR	--	ISC	iLoc	???	???	-
PDG	5.25	188.8	Pn	23:31:05.600	0.9	T__	---	15309837	FDSN	IR	--	ISC	iLoc	???	???	-
PDG	5.25	188.8	Pg	23:31:05.724	-14.3	---	---	15309838	FDSN	IR	--	ISC	iLoc	???	???	-
BCI	5.26	182.2	x	23:31:06.200	-99.0	---	23.1 0.60	15309839	FDSN	IR	--	ISC	iLoc	???	???	-
BRG	5.31	310.2	x	23:31:05.900	-99.0	---	10.5 0.80	15309840	FDSN	IR	--	ISC	iLoc	???	???	-
BRJN	5.32	241.7	Pn	23:31:07.400	2.7	T__	---	15309841	FDSN	IR	--	ISC	iLoc	???	???	-
VTs	5.41	156.7	Pn	23:31:07.000	0.1	T__	---	15309842	FDSN	IR	--	ISC	iLoc	???	???	-
ABTA	5.41	263.6	Pn	23:31:07.333	0.5	T__	2.8 0.26	15309843	FDSN	IR	--	ISC	iLoc	???	???	-
DRME	5.50	189.0	Pn	23:31:10.700	2.3	T__	---	15309844	FDSN	IR	--	ISC	iLoc	???	???	-
CIMO	5.57	259.3	x	23:31:11.400	-99.0	---	13.4 1.20	15309845	FDSN	IR	--	ISC	iLoc	???	???	-
TANN	5.89	301.2	x	23:31:13.300	-99.0	---	20.2 0.40	15309846	FDSN	IR	--	ISC	iLoc	???	???	-
CFR	5.92	111.5	Pn	23:31:14.753	0.5	T__	---	15309847	FDSN	IR	--	ISC	iLoc	???	???	-
WTTA	5.92	269.7	Pn	23:31:14.442	0.2	T__	2.9 0.24	15309848	FDSN	IR	--	ISC	iLoc	???	???	-
WTTA	5.92	269.7	x	23:31:15.500	-99.0	---	12.3 0.70	15309849	FDSN	IR	--	ISC	iLoc	???	???	-
WTTA	5.92	269.7	Sn	23:32:20.058	0.0	T__	6.5 0.38	15309850	FDSN	IR	--	ISC	iLoc	???	???	-
PHP	5.94	179.3	x	23:31:15.500	-99.0	---	14.2 0.80	15309851	FDSN	IR	--	ISC	iLoc	???	???	-
WATA	5.95	270.5	Pn	23:31:14.757	0.2	T__	1.7 0.22	15309852	FDSN	IR	--	ISC	iLoc	???	???	-
GKP	5.99	341.8	x	23:31:16.800	-99.0	---	50.7 0.60	15309853	FDSN	IR	--	ISC	iLoc	???	???	-
GKP	5.99	341.8	Pn	23:31:17.100	1.0	T__	0.4	15309854	FDSN	IR	--	ISC	iLoc	???	???	-
CLL	6.04	310.3	x	23:31:15.500	-99.0	---	23.3 0.40	15309855	FDSN	IR	--	ISC	iLoc	???	???	-
LOZB	6.11	131.8	Pn	23:31:18.027	0.9	T__	---	15309856	FDSN	IR	--	ISC	iLoc	???	???	-
SQTA	6.21	269.7	Pn	23:31:18.515	0.4	T__	3.7 0.36	15309857	FDSN	IR	--	ISC	iLoc	???	???	-
SQTA	6.21	269.7	Sn	23:32:27.382	0.9	T__	7.0 0.38	15309858	FDSN	IR	--	ISC	iLoc	???	???	-
MOTA	6.27	270.9	Pn	23:31:19.154	0.3	T__	0.6 0.22	15309859	FDSN	IR	--	ISC	iLoc	???	???	-
MOTA	6.27	270.9	Sn	23:32:28.579	0.5	T__	2.6 0.32	15309860	FDSN	IR	--	ISC	iLoc	???	???	-
TIRR	6.45	116.4	x	23:31:24.400	-99.0	---	10.7 0.70	15309861	FDSN	IR	--	ISC	iLoc	???	???	-
RETA	6.49	272.3	Pn	23:31:22.215	0.7	T__	0.7 0.24	15309862	FDSN	IR	--	ISC	iLoc	???	???	-
FETA	6.56	268.3	Pn	23:31:23.323	0.2	T__	1.4 0.24	15309863	FDSN	IR	--	ISC	iLoc	???	???	-
AKASG	6.59	58.8	Pn	23:31:25.125	2.9	T__	1.5 0.33	15309864	FDSN	IR	--	ISC	iLoc	???	???	-
AKASG	6.59	58.8	Sn	23:32:40.125	1.7	T__	3.7 0.33	15309865	FDSN	IR	--	ISC	iLoc	???	???	-
AKASG	6.59	58.8	LR	23:34:20.911	-99.0	---	89.9 18.67	15309866	FDSN	IR	--	ISC	iLoc	???	???	-
AKASG	6.59	58.8	x	23:59:59.590	-99.0	---	0.9 0.45	15309867	FDSN	IR	--	ISC	iLoc	???	???	-
FNA	6.88	173.4	Pn	23:31:27.400	0.1	T__	---	15309868	FDSN	IR	--	ISC	iLoc	???	???	-
FUORN	6.95	265.4	x	23:31:30.700	-99.0	---	7.8 0.60	15309869	FDSN	IR	--	ISC	iLoc	???	???	-
DAVA	7.10	271.1	Pn	23:31:30.757	0.3	T__	2.4 0.22	15309870	FDSN	IR	--	ISC	iLoc	???	???	-
DAVA	7.10	271.1	x	23:31:31.400	-99.0	---	10.6 0.60	15309871	FDSN	IR	--	ISC	iLoc	???	???	-
DAVA	7.10	271.1	Sn	23:32:49.630	1.3	T__	5.2 0.38	15309872	FDSN	IR	--	ISC	iLoc	???	???	-
DAVOX	7.18	267.1	Pn	23:31:32.642	0.7	T__	0.9 0.33	15309873	FDSN	IR	--	ISC	iLoc	???	???	-
DAVOX	7.18	267.1	Sn	23:32:49.708	-1.4	T__	0.8 0.33	15309874	FDSN	IR	--	ISC	iLoc	???	???	-

DAVOX	7.18	267.1	LR	23:34:54.096	-99.0	---	104.5	19.92	---	15309875	FDSN	IR	--	ISC	iLoc	???	???	-
SLE	8.00	275.4	x	23:31:42.500	-99.0	---	20.0	0.60	---	15309876	FDSN	IR	--	ISC	iLoc	???	???	-
BSD	8.23	337.7	Pn	23:31:44.000	-2.0	T__				15309877	FDSN	IR	--	ISC	iLoc	???	???	-
NACGM	8.33	26.6	Pn	23:31:47.910	1.9	T__				15309878	FDSN	IR	--	ISC	iLoc	???	???	-
NACGM	8.33	26.6	PPP	23:32:05.020	-99.0	---				15309879	FDSN	IR	--	ISC	iLoc	???	???	-
NACGM	8.33	26.6	Sn	23:33:22.080	5.2	T__				15309880	FDSN	IR	--	ISC	iLoc	???	???	-
NACGM	8.33	26.6	SnSn	23:33:34.560	2.0	T__				15309881	FDSN	IR	--	ISC	iLoc	???	???	-
NACGM	8.33	26.6	SSS	23:33:50.020	-99.0	---				15309882	FDSN	IR	--	ISC	iLoc	???	???	-
MNK	8.36	31.8	Pn	23:31:47.120	1.0	T__				15309883	FDSN	IR	--	ISC	iLoc	???	???	-
MNK	8.36	31.8	Pn	23:31:47.120	1.0	T__				15309884	FDSN	IR	--	ISC	iLoc	???	???	-
MNK	8.36	31.8	Pn	23:31:47.120	1.0	T__				15309885	FDSN	IR	--	ISC	iLoc	???	???	-
MNK	8.36	31.8	PnPn	23:31:54.740	-0.3	T__				15309886	FDSN	IR	--	ISC	iLoc	???	???	-
MNK	8.36	31.8	PPP	23:32:02.310	-99.0	---				15309887	FDSN	IR	--	ISC	iLoc	???	???	-
MNK	8.36	31.8	Sn	23:33:21.780	5.6	T__				15309888	FDSN	IR	--	ISC	iLoc	???	???	-
MNK	8.36	31.8	SnSn	23:33:34.320	1.0	T__				15309889	FDSN	IR	--	ISC	iLoc	???	???	-
MNK	8.36	31.8	SSS	23:33:46.650	-99.0	---				15309890	FDSN	IR	--	ISC	iLoc	???	???	-
MNK	8.36	31.8	LQ	23:34:24.490	-99.0	---				15309891	FDSN	IR	--	ISC	iLoc	???	???	-
MNK	8.36	31.8	LR	23:34:47.840	-99.0	---				15309892	FDSN	IR	--	ISC	iLoc	???	???	-
MNK	8.36	31.8	MLR	23:35:30.470	-99.0	---				15309893	FDSN	IR	--	ISC	iLoc	???	???	-
MNK	8.36	31.8	MLR	23:35:33.820	-99.0	---				15309894	FDSN	IR	--	ISC	iLoc	???	???	-
MNK	8.36	31.8	MLR	23:35:35.730	-99.0	---				15309895	FDSN	IR	--	ISC	iLoc	???	???	-
HFS	13.12	345.2	Pn	23:32:49.732	-2.0	T__	0.3	0.33	---	15309896	FDSN	IR	--	ISC	iLoc	???	???	-
HFS	13.12	345.2	x	23:59:59.590	-99.0	---	0.5	0.30	---	15309897	FDSN	IR	--	ISC	iLoc	???	???	-
FINES	14.23	11.3	Pn	23:33:04.800	-0.6	T__	0.3	0.33	---	15309898	FDSN	IR	--	ISC	iLoc	???	???	-
FINES	14.23	11.3	Sn	23:35:33.269	-2.7	T__	0.6	0.33	---	15309899	FDSN	IR	--	ISC	iLoc	???	???	-
FINES	14.23	11.3	x	23:59:59.590	-99.0	---	0.9	0.41	---	15309900	FDSN	IR	--	ISC	iLoc	???	???	-
KEST	14.43	218.5	LR	23:38:58.467	-99.0	---	68.2	18.31	---	15309901	FDSN	IR	--	ISC	iLoc	???	???	-
NOA	14.44	342.0	Pn	23:33:05.800	-3.4	T__				15309902	FDSN	IR	--	ISC	iLoc	???	???	-
NOA	14.44	342.0	x	23:59:59.590	-99.0	---	0.3	0.69	---	15309903	FDSN	IR	--	ISC	iLoc	???	???	-
ESDC	19.24	254.5	P	23:34:08.693	-2.2	T__				15309904	FDSN	IR	--	ISC	iLoc	???	???	-
ESDC	19.24	254.5	x	23:59:59.590	-99.0	---	0.4	0.96	---	15309905	FDSN	IR	--	ISC	iLoc	???	???	-
BVAR	31.86	61.3	P	23:36:13.275	1.9	T__	0.4	0.54	---	15309906	FDSN	IR	--	ISC	iLoc	???	???	-
BVAR	31.86	61.3	x	23:59:59.590	-99.0	---	0.4	0.54	---	15309907	FDSN	IR	--	ISC	iLoc	???	???	-
KURBB	37.36	63.1	P	23:37:01.400	2.5	T__	0.4	0.70	---	15309908	FDSN	IR	--	ISC	iLoc	???	???	-
KURBB	37.36	63.1	x	23:59:59.590	-99.0	---	0.4	0.70	---	15309909	FDSN	IR	--	ISC	iLoc	???	???	-
SONM	54.86	55.3	P	23:39:16.854	0.0	T__	0.5	0.77	---	15309910	FDSN	IR	--	ISC	iLoc	???	???	-
SONM	54.86	55.3	x	23:59:59.590	-99.0	---	0.5	0.77	---	15309911	FDSN	IR	--	ISC	iLoc	???	???	-
CMAR	68.98	85.4	P	23:40:52.183	0.1	T__	0.5	0.53	---	15309912	FDSN	IR	--	ISC	iLoc	???	???	-
CMAR	68.98	85.4	x	23:59:59.590	-99.0	---	0.5	0.53	---	15309913	FDSN	IR	--	ISC	iLoc	???	???	-
ASAJ	75.47	39.0	LR	24:17:29.759	-99.0	---	30.5	18.54	---	15309914	FDSN	IR	--	ISC	iLoc	???	???	-

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/08/12 06:28:02.23 1.95 0.56 47.3256 18.3447 14.4 5.8 165 0.0S 8 6 121 0.07 1.21 m sx BUD 15309373 iLoc 230
 (description : suspected quarry blast)
 (locality : Magyaralmás Hungary)

Magnitude Err Nsta Author OrigID

Sta	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	303.4	Pg	06:28:04.502	0.2					T__		892.3			MLv	15309375	FDSN	HU	--	BUD	iLoc	HHN	HHZ	-
CSKK	0.07	303.4	Lg	06:28:05.656	-0.7					T__						15309376	FDSN	HU	--	BUD	iLoc	HHN	???	-

A268A	0.30	290.4	Lg	06:28:14.367	0.0	T__								15309377	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A269A	0.31	4.7	Lg	06:28:15.049	0.3	T__								15309378	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MORH	1.13	169.4	Sn	06:28:41.355	0.2	T__								15309379	FDSN	HU	--	BUD	iLoc	BHE	???	_
PSZ	1.20	59.9	Lg	06:28:45.673	-0.2	T__								15309380	FDSN	GE	--	BUD	iLoc	BHN	???	_
VYHS	1.21	15.6	Pg	06:28:26.644	-0.2	T__				11.9		MLv		15309381	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.21	15.6	Sn	06:28:43.313	-0.9	T__								15309382	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
2019/08/12	07:22:41.54	0.95	1.56	47.3405	17.7124	6.8	3.7	174	0.0S		17	15	96	0.17	1.49	m	sx BUD	15309391	iLoc			106
(description : suspected quarry blast)																						
(locality : Ugod Hungary)																						

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
A268A	0.17	57.6	Pg	07:22:45.294	-0.3					T__		722.1			MLv	15309393	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A268A	0.17	57.6	Lg	07:22:49.268	0.2					T__						15309394	FDSN	Z3	00	BUD	iLoc	HHN	???	_
EGYH	0.27	286.5	Pg	07:22:47.995	0.5					T__		1175.4			MLv	15309395	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
EGYH	0.27	286.5	Lg	07:22:50.882	-1.3					T__						15309396	FDSN	HU	--	BUD	iLoc	HHN	???	_
CSKK	0.37	86.3	Lg	07:22:55.878	-0.3					T__						15309397	FDSN	HU	--	BUD	iLoc	HHN	???	_
TIH	0.46	164.7	Lg	07:22:58.263	0.1					T__						15309398	FDSN	HU	--	BUD	iLoc	HHE	???	_
A269A	0.54	56.5	Lg	07:23:03.298	1.3					T__						15309399	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A261A	0.55	224.9	Sn	07:23:02.653	-3.8					T__						15309400	FDSN	Z3	00	BUD	iLoc	HHN	???	_
SRO	0.62	40.5	Sn	07:23:06.525	-1.8					T__						15309401	FDSN	SK	--	BUD	iLoc	EHE	???	_
A260A	0.69	265.6	Sn	07:23:06.550	-2.9					T__						15309402	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A271A	0.79	103.3	Lg	07:23:10.451	0.1					T__						15309403	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A270A	1.02	59.8	Lg	07:23:18.262	-0.4					T__						15309404	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KOVH	1.28	167.8	Sn	07:23:23.769	-0.3					T__						15309405	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORH	1.29	150.0	Sn	07:23:24.322	-0.1					T__						15309406	FDSN	HU	--	BUD	iLoc	BHE	???	_
VYHS	1.38	32.8	Sn	07:23:27.234	-0.2					T__						15309407	FDSN	SK	--	BUD	iLoc	HHE	???	_
CONA	1.38	295.8	Sn	07:23:25.125	-1.9					T__						15309408	FDSN	OE	--	BUD	iLoc	BHE	???	_
ARSA	1.49	267.3	Sn	07:23:29.744	0.8					T__						15309409	FDSN	OE	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/08/12	09:26:45.50	0.91	0.53	48.3390	19.8628	5.2	3.4	175	0.0S		12	7	147	0.42	1.02	m	sx BUD	15309418	iLoc			153
(description : suspected quarry blast)																						
(locality : Velke-Dravce Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.1	5 ILOC	15309418

Sta	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	177.1	Pg	09:26:55.008	0.2					T__		105.5			MLv	15309420	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.42	177.1	Lg	09:27:01.661	0.0					T__						15309421	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.5 1																								
KECS	0.44	70.6	Pg	09:26:54.882	0.5					T__		139.9			MLv	15309422	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.44	70.6	Lg	09:27:00.380	-0.8					T__						15309423	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 1.7 0																								

JOS	0.48	70.5	Pg	09:26:55.394	0.3	T__	92.7	---	MLv	15309424	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.48	70.5	Lg	09:27:02.762	0.3	T__		---		15309425	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 1.6 1																		
HU02A	0.49	115.9	Pg	09:26:56.097	0.2	T__	61.0	---	MLv	15309426	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.49	115.9	Lg	09:27:02.961	-1.0	T__		---		15309427	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.5 1																		
A336A	0.59	259.9	Lg	09:27:06.779	0.2	T__		---		15309428	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	0.70	283.2	Pg	09:26:59.728	-0.0	T__	21.5	---	MLv	15309429	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.70	283.2	Lg	09:27:09.619	-0.5	T__		---		15309430	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.2 0																		
A335A	1.02	276.6	Sn	09:27:22.879	0.3	T__		---		15309431	FDSN	Z3	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
2019/08/12	17:53:07.08	1.21	0.03	47.6239	20.3664	10.8	8.1	87	12.5A	4	3	233	0.01	0.08	m	ke	BUD	15310245	iLoc			303

Magnitude	Err	Nsta	Author	OrigID
ML	0.6	0.1	3 ILOC	15310245

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
ATAN1	0.01	211.1	Pg	17:53:09.606	0.0					T__		941.6		---	MLv	15310247	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.3 1																								
TENKA	0.03	337.7	Pg	17:53:09.687	0.0					T__		170.4		---	MLv	15310248	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.03	337.7	Lg	17:53:11.617	-0.0					T__				---		15310249	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 0.6 1																								
HU23A	0.08	280.9	Pg	17:53:10.158	0.0					T__		106.7		---	MLv	15310250	FDSN	ZJ	00	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	
2019/08/13	03:14:31.76	2.84	0.19	47.6710	20.3750	19.6	8.5	36	15.6F	15.5	7	4	244	0.02	0.41	m	ke	BUD	15310264	iLoc			302

Magnitude	Err	Nsta	Author	OrigID
ML	1.0	0.4	3 ILOC	15310264

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TENKA	0.02	227.5	Pg	03:14:34.980	0.1					T__		786.5		---	MLv	15310266	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.02	227.5	Lg	03:14:37.022	-0.1					T__				---		15310267	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.3 1																								
ATAN1	0.06	191.8	Pg	03:14:35.128	0.1					T__		336.3		---	MLv	15310268	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN1	0.06	191.8	Lg	03:14:37.355	-0.1					T__				---		15310269	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.0 1																								
HU23A	0.09	249.4	Pg	03:14:35.509	0.1					T__		131.2		---	MLv	15310270	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.09	249.4	Lg	03:14:37.929	-0.1					T__				---		15310271	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 0.7 1																								
PSZ	0.41	307.6	Lg	03:14:47.346	-0.2					T__				---		15310272	FDSN	GE	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/08/13	03:53:00.15	4.14	0.08	47.6593	20.3809	19.2	7.7	46	13.4F	15.4	6	3	301	0.02	0.09	m	ke	BUD	15310286	iLoc			359

Magnitude Err Nsta Author OrigID
ML 1.0 0.2 3 ILOC 15310286

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TENKA	0.02	257.4	Pg	03:53:02.837	-0.0					T__		669.8		---	MLv	15310288	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.02	257.4	Lg	03:53:04.881	0.0					T__				---		15310289	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.2 1																								
ATAN1	0.05	199.4	Pg	03:53:02.988	-0.0					T__		360.9		---	MLv	15310290	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN1	0.05	199.4	Lg	03:53:05.215	0.1					T__				---		15310291	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.0 1																								
HU23A	0.09	257.2	Pg	03:53:03.489	0.0					T__		194.4		---	MLv	15310292	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.09	257.2	Lg	03:53:05.838	-0.1					T__				---		15310293	FDSN	ZJ	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	
2019/08/13	08:54:02.20	1.33	1.28	48.5273	20.7467	11.4	3.5	7	0.0S		14	8	198	0.14	1.27	m	sx	BUD	15310307	iLoc			215
(description : suspected quarry blast)																							
(locality : Dvorniky-Vcelare Slovakia)																							

Magnitude Err Nsta Author OrigID
ML 1.4 0.2 6 ILOC 15310307

Sta	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	257.2	Pg	08:54:05.044	-0.2					T__		353.7		---	MLv	15310309	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.14	257.2	Lg	08:54:08.293	0.5					T__				---		15310310	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 1.2 1																								
KECS	0.18	255.8	Pg	08:54:05.542	-0.5					T__		530.3		---	MLv	15310311	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.18	255.8	Lg	08:54:09.542	0.5					T__				---		15310312	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.5 1																								
ABAH	0.40	125.0	Pg	08:54:10.074	-0.4					T__		60.1		---	MLv	15310313	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.40	125.0	Lg	08:54:17.035	-0.4					T__				---		15310314	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.2 1																								
HU02A	0.43	200.1	Lg	08:54:18.898	0.4					T__				---		15310315	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
PSZ	0.83	223.4	Pg	08:54:19.951	0.1					T__		41.3		---	MLv	15310316	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.83	223.4	Lg	08:54:32.613	0.2					T__				---		15310317	FDSN	GE	--	BUD	iLoc	BHZ	???	_
(Station ML : 1.6 0																								
A336A	1.20	256.5	Sn	08:54:41.982	-1.4					T__				---		15310318	FDSN	Z3	00	BUD	iLoc	HH2	???	_
TRPA	1.26	107.7	Pg	08:54:27.687	1.2					T__		18.9		---	MLv	15310319	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
TRPA	1.26	107.7	Sn	08:54:41.689	-3.3					T__				---		15310320	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.5 1																								
VYHS	1.27	269.2	Pn	08:54:26.184	-0.2					T__		8.4		---	MLv	15310321	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.27	269.2	Sn	08:54:43.995	-1.5					T__				---		15310322	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	
2019/08/13	08:55:24.54	0.94	0.89	48.2473	21.2174	6.9	3.7	167	0.0S		20	12	79	0.05	2.01	m	kx	BUD	15310348	iLoc			153
2019/08/13	08:55:24.29f	0.88	0.88	48.2470	21.2460f				0.0S		20		78	0.05	2.00	a	kx	BUD_GT	15328379	BUD			153
(GT info : GT2 explosion)																							
(description : known quarry blast)																							

(locality : Tállya Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.2	6 BUD	15310348
ML	1.7	0.2	6 ILOC	15328379

Sta	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	08:55:26.177	0.3					T__		9611.5		___	MLv	15330266	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
(Station ML : 2.4 0)																								
HU02A	0.50	255.8	Pg	08:55:34.928	0.1					T__		80.9		___	MLv	15330267	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.50	255.8	Lg	08:55:41.909	-1.1					T__				---		15330268	FDSN	ZJ	00	BUD	BUD	HHN	???	_
(Station ML : 1.6 1)																								
JOS	0.53	298.0	Pg	08:55:35.463	0.4					T__		65.6		___	MLv	15330269	FDSN	ZJ	--	BUD	BUD	HHZ	HHZ	_
JOS	0.53	298.0	Lg	08:55:42.897	-0.3					T__				---		15330270	FDSN	ZJ	--	BUD	BUD	HHN	???	_
(Station ML : 1.6 1)																								
KECS	0.56	295.3	Pg	08:55:36.150	0.6					T__		121.5		___	MLv	15330271	FDSN	SK	--	BUD	BUD	EHN	EHZ	_
KECS	0.56	295.3	Lg	08:55:42.965	-1.2					T__				---		15330272	FDSN	SK	--	BUD	BUD	EHN	???	_
(Station ML : 1.9 1)																								
HOLU	0.81	69.3	Pn	08:55:41.731	-0.1					T__				---		15330273	FDSN	UA	--	BUD	BUD	MHZ	???	_
HOLU	0.81	69.3	Lg	08:55:54.682	1.2					T__				---		15330274	FDSN	UA	--	BUD	BUD	MHZ	???	_
TRPA	0.87	97.2	Pn	08:55:42.432	-0.2					T__		32.4		___	MLv	15330275	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
TRPA	0.87	97.2	Lg	08:55:55.777	0.0					T__				---		15330276	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 1.5 0)																								
PSZ	0.96	250.6	Pg	08:55:44.757	0.1					T__		67.8		___	MLv	15330277	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.96	250.6	Lg	08:55:58.135	-0.9					T__				---		15330278	FDSN	GE	--	BUD	BUD	BHE	???	_
(Station ML : 1.9 1)																								
KOLS	0.97	44.4	Pn	08:55:44.767	0.6					T__				---		15330279	FDSN	SK	--	BUD	BUD	HHZ	???	_
KOLS	0.97	44.4	Lg	08:55:58.850	0.3					T__				---		15330280	FDSN	SK	--	BUD	BUD	HHN	???	_
MUKU	0.98	77.3	Pn	08:55:44.763	0.5					T__				---		15330281	FDSN	UA	--	BUD	BUD	MHZ	???	_
STZU	1.19	49.4	Pn	08:55:49.352	1.9					T__				---		15330282	FDSN	UA	--	BUD	BUD	MHZ	???	_
STZU	1.19	49.4	Lg	08:56:05.036	-0.4					T__				---		15330283	FDSN	UA	--	BUD	BUD	MHZ	???	_
VYHS	1.63	279.6	Lg	08:56:18.750	-1.2					T__				---		15330284	FDSN	SK	--	BUD	BUD	HHN	???	_
SIRR	2.00	171.7	Lg	08:56:29.026	-2.1					T__				---		15330285	FDSN	RO	--	BUD	BUD	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/08/13	12:49:44.01	0.51	0.55	47.6497	20.3157	4.0	3.1	0	7.7	3.1	17	10	71	0.02	0.90	m	ke BUD	15251931	scolv@krszo			360
2019/08/13	12:49:43.39	0.86	0.67	47.6530	20.3311	4.3	3.3	59	10.2F	3.9	21	10	72	0.01	0.91	m	ke BUD_GT	15310395	iLoc		112	

(GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)

Magnitude	Err	Nsta	Author	OrigID
M	2.1		7 BUD	15251931
MLv	2.1	0.3	7 BUD	15251931
ML	2.1	0.3	7 ILOC	15310395

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TENKA	0.01	83.3	Pg	12:49:45.337	-0.2					T__		16890.5		___	MLv	15310397	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.01	83.3	Lg	12:49:47.366	0.2					T__				---		15310398	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 2.6 0)																								
ATAN1	0.04	156.1	Pg	12:49:45.417	-0.3					T__		13751.8		___	MLv	15310399	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN1	0.04	156.1	Lg	12:49:47.577	0.1					T__				---		15310400	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 2.6 1)																								

HU23A	0.06	255.8	Pg	12:49:45.825	-0.0	T__	4443.3	---	MLv	15310401	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
HU23A	0.06	255.8	Lg	12:49:48.281	0.5	T__		---		15310402	FDSN	ZJ	00	BUD	iLoc	HHN	???	_	
(Station ML : 2.1 1																			
BSZH	0.36	187.0	Pg	12:49:51.400	0.1	T__	0.4	---		15310403	FDSN	IR	--	ISC	iLoc	???	???	_	
BSZH	0.36	187.0	Pg	12:49:51.536	0.2	T__	978.6	---	MLv	15310404	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
BSZH	0.36	187.0	Lg	12:49:55.600	-1.3	T__	0.4	---		15310405	FDSN	IR	--	ISC	iLoc	???	???	_	
BSZH	0.36	187.0	Lg	12:49:57.847	1.0	T__		---		15310406	FDSN	HU	--	BUD	iLoc	HHE	???	_	
(Station ML : 2.3 1																			
PSZ	0.40	312.2	Pg	12:49:52.108	-0.1	T__	92.5	---	MLv	15310407	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	0.40	312.2	Lg	12:49:57.628	-0.9	T__		---		15310408	FDSN	GE	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.4 0																			
HU03A	0.55	297.2	Lg	12:50:03.099	-0.1	T__		---		15310409	FDSN	ZJ	00	BUD	iLoc	HHN	???	_	
KECS	0.84	7.1	Pn	12:49:59.100	-0.6	T__	0.1	---		15310410	FDSN	IR	--	ISC	iLoc	???	???	_	
KECS	0.84	7.1	Lg	12:50:12.651	0.8	T__		---		15310411	FDSN	SK	--	BUD	iLoc	EHN	???	_	
JOS	0.85	9.2	Pn	12:49:59.776	-0.1	T__	63.7	---	MLv	15310412	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_	
JOS	0.85	9.2	Lg	12:50:12.937	0.6	T__		---		15310413	FDSN	ZJ	--	BUD	iLoc	HHE	???	_	
(Station ML : 1.8 1																			
ABAH	0.89	43.2	Pn	12:49:59.500	-0.8	T__	0.1	---		15310414	FDSN	IR	--	ISC	iLoc	???	???	_	
ABAH	0.89	43.2	Pn	12:50:00.830	0.5	T__	110.3	---	MLv	15310415	FDSN	HU	--	BUD	iLoc	HHE	HHZ	_	
ABAH	0.89	43.2	Lg	12:50:14.986	1.2	T__		---		15310416	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
(Station ML : 2.0 1																			
A270A	0.91	282.7	Sn	12:50:14.462	0.2	T__		---		15310417	FDSN	Z3	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
2019/08/13	19:06:31.50	1.07	0.17	47.6461	20.3100	13.3	6.3	10	12.0A		5	3	171	0.03	0.05	m	ke BUD	15310451	iLoc			296

Magnitude	Err	Nsta	Author	OrigID
ML	0.9	0.0	3 ILOC	15310451

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TENKA	0.03	72.2	Pg	19:06:33.898	-0.1					T__		152.5		---	MLv	15310453	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.03	72.2	Lg	19:06:35.974	0.1					T__				---		15310454	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 0.6 1																								
HU23A	0.04	260.2	Pg	19:06:34.029	-0.1					T__		332.9		---	MLv	15310455	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 0.9 1																								
ATAN1	0.05	135.7	Pg	19:06:34.015	-0.1					T__		300.8		---	MLv	15310456	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN1	0.05	135.7	Lg	19:06:36.255	0.2					T__				---		15310457	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	
2019/08/14	03:52:59.33	4.18	0.02	47.6379	20.3738	12.2	7.2	76	14.0F	17.2	6	3	251	0.02	0.08	m	ke BUD	15310471	iLoc				317

Magnitude	Err	Nsta	Author	OrigID
ML	0.9	0.3	3 ILOC	15310471

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TENKA	0.02	313.3	Pg	03:53:02.143	0.0					T__		353.9		---	MLv	15310473	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.02	313.3	Lg	03:53:04.220	-0.0					T__				---		15310474	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 0.9 1																								

ATAN1	0.03	204.7	Pg	03:53:02.160	-0.0				T__		846.0	---	MLv	15310475	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN1	0.03	204.7	Lg	03:53:04.267	-0.0				T__			---		15310476	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.3 1																						
HU23A	0.08	270.8	Pg	03:53:02.649	-0.0				T__		161.6	---	MLv	15310477	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.08	270.8	Lg	03:53:05.121	0.0				T__			---		15310478	FDSN	ZJ	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
2019/08/14	07:17:27.49	1.81	0.41	47.7361	20.3953	12.9	5.5	64	12.0A		7	4	253	0.09	0.38	m	ke	BUD	15310492	iLoc		326

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.4	4 ILOC	15310492

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
TENKA	0.09	201.3	Pg	07:17:30.987	0.4					T__		1027.5		---	MLv	15310494	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.09	201.3	Lg	07:17:33.041	0.2					T__				---		15310495	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.6 1																								
ATAN1	0.13	191.9	Pg	07:17:31.028	-0.1					T__		2127.1		---	MLv	15310496	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN1	0.13	191.9	Lg	07:17:33.190	-0.6					T__				---		15310497	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 2.0 1																								
HU23A	0.14	225.4	Pg	07:17:31.491	0.1					T__		304.6		---	MLv	15310498	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.14	225.4	Lg	07:17:33.955	-0.2					T__				---		15310499	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 1.2 1																								
PSZ	0.38	298.6	Pg	07:17:36.128	0.1					T__		38.3		---	MLv	15310500	FDSN	GE	--	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	
2019/08/14	09:47:35.59	4.17	0.04	47.6483	20.3762	14.6	7.2	60	14.0F	16.6	6	3	272	0.02	0.09	m	ke	BUD	15310518	iLoc			336

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.1	3 ILOC	15310518

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
TENKA	0.02	287.6	Pg	09:47:38.392	0.0					T__		909.4		---	MLv	15310520	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.02	287.6	Lg	09:47:40.431	-0.0					T__				---		15310521	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.3 1																								
ATAN1	0.04	200.3	Pg	09:47:38.467	-0.0					T__		892.1		---	MLv	15310522	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN1	0.04	200.3	Lg	09:47:40.643	0.0					T__				---		15310523	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.4 1																								
HU23A	0.09	263.9	Pg	09:47:38.931	-0.0					T__		328.2		---	MLv	15310524	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.09	263.9	Lg	09:47:41.426	0.0					T__				---		15310525	FDSN	ZJ	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	
2019/08/14	10:27:43.95	1.08	1.03	48.8783	20.3514	7.5	5.4	74	0.0S		14	8	107	0.40	1.27	m	sx	BUD	15310539	iLoc			197

(description : suspected quarry blast)
 (locality : Spisska-Nova-Ves Slovakia)

Magnitude	Err	Nsta	Author	OrigID
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ML	1.6	0.1	6	ILOC	15310539																					
Sta	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	0.40	162.1	Pg	10:27:52.256	0.2					T__		128.1		---	MLv	15310541	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_		
JOS	0.40	162.1	Lg	10:27:57.947	-0.3					T__				---		15310542	FDSN	ZJ	--	BUD	iLoc	HHE	???	_		
(Station ML : 1.5 1																										
KECS	0.41	167.3	Pg	10:27:52.296	0.2					T__		282.3		---	MLv	15310543	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_		
KECS	0.41	167.3	Lg	10:27:57.947	-0.4					T__				---		15310544	FDSN	SK	--	BUD	iLoc	EHE	???	_		
(Station ML : 1.9 0																										
NIE	0.54	357.4	Lg	10:28:01.765	-0.2					T__				---		15310545	FDSN	PL	--	BUD	iLoc	BHE	???	_		
HU02A	0.77	171.3	Pn	10:28:00.038	-1.0					T__		55.8		---	MLv	15310546	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_		
HU02A	0.77	171.3	Lg	10:28:11.127	-0.5					T__				---		15310547	FDSN	ZJ	00	BUD	iLoc	HHE	???	_		
(Station ML : 1.7 1																										
ABAH	0.83	134.3	Pn	10:28:01.392	-0.3					T__		63.0		---	MLv	15310548	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
ABAH	0.83	134.3	Lg	10:28:13.529	0.4					T__				---		15310549	FDSN	HU	--	BUD	iLoc	HHE	???	_		
(Station ML : 1.8 1																										
PSZ	1.01	197.8	Pg	10:28:05.867	0.8					T__		36.4		---	MLv	15310550	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	1.01	197.8	Sn	10:28:19.804	-1.1					T__				---		15310551	FDSN	GE	--	BUD	iLoc	BHE	???	_		
(Station ML : 1.6 1																										
VYHS	1.08	249.6	Pn	10:28:07.925	2.5					T__		7.4		---	MLv	15310552	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_		
VYHS	1.08	249.6	Lg	10:28:20.222	-0.8					T__				---		15310553	FDSN	SK	--	BUD	iLoc	HHN	???	_		
(Station ML : 1.0 0																										
KOLS	1.27	86.8	Lg	10:28:25.446	-1.1					T__				---		15310554	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
2019/08/14	10:40:00.89	2.82	1.14	48.8146	20.3479	17.1	9.6	157	0.0S		12	8	190	0.34	1.07	m	sx	BUD	15310580	iLoc		238
(description : suspected quarry blast)																						
(locality : Spisska-Nova-Ves Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID	
ML	1.5	0.1	4	ILOC	15310580

Sta	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	158.4	Pg	10:40:07.909	0.1					T__		116.1		---	MLv	15310582	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_		
JOS	0.34	158.4	Lg	10:40:13.576	0.4					T__				---		15310583	FDSN	ZJ	--	BUD	iLoc	HHE	???	_		
(Station ML : 1.3 1																										
KECS	0.34	164.6	Lg	10:40:13.297	0.1					T__				---		15310584	FDSN	SK	--	BUD	iLoc	EHE	???	_		
LANS	0.67	300.4	Sn	10:40:25.949	-2.9					T__				---		15310585	FDSN	SK	--	BUD	iLoc	EHN	???	_		
HU02A	0.70	170.3	Pn	10:40:17.199	0.1					T__		34.5		---	MLv	15310586	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_		
HU02A	0.70	170.3	Lg	10:40:25.880	-0.5					T__				---		15310587	FDSN	ZJ	00	BUD	iLoc	HHE	???	_		
(Station ML : 1.4 1																										
ABAH	0.79	130.9	Pg	10:40:16.560	0.1					T__		41.9		---	MLv	15310588	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
ABAH	0.79	130.9	Lg	10:40:28.962	-0.5					T__				---		15310589	FDSN	HU	--	BUD	iLoc	HHE	???	_		
(Station ML : 1.6 1																										
PSZ	0.95	198.8	Pg	10:40:21.230	0.5					T__		31.5		---	MLv	15310590	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	0.95	198.8	Lg	10:40:34.334	-0.5					T__				---		15310591	FDSN	GE	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.5 1																										
VYHS	1.05	252.8	Sn	10:40:37.497	-1.5					T__				---		15310592	FDSN	SK	--	BUD	iLoc	HHN	???	_		
A336A	1.07	237.5	Sn	10:40:38.974	-0.0					T__				---		15310593	FDSN	Z3	00	BUD	iLoc	HH2	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/08/14	12:15:58.88	1.45	0.20	47.6434	20.3732	11.5	6.4	60	12.0A	5	3	257	0.02	0.08	m	ke	BUD	15310611	iLoc			324

Magnitude	Err	Nsta	Author	OrigID
ML	0.8	0.0	3 ILOC	15310611

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TENKA	0.02	302.8	Pg	12:16:01.258	-0.1					T__		307.5		___	MLv	15310613	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Station ML : 0.8 1																								
ATAN1	0.03	199.9	Pg	12:16:01.290	-0.1					T__		230.4		___	MLv	15310614	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN1	0.03	199.9	Lg	12:16:03.519	0.2					T__				___		15310615	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 0.8 1																								
HU23A	0.08	267.1	Pg	12:16:01.819	-0.1					T__		174.7		___	MLv	15310616	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.08	267.1	Lg	12:16:04.302	0.1					T__				___		15310617	FDSN	ZJ	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	
2019/08/14	18:02:55.92	4.23	0.37	47.6220	20.3628	10.9	6.3	101	9.8F	18.2	6	3	221	0.01	0.08	m	ke	BUD	15310631	iLoc			299

Magnitude	Err	Nsta	Author	OrigID
ML	0.9	0.0	3 ILOC	15310631

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
ATAN1	0.01	204.2	Pg	18:02:58.039	0.1					T__		341.7		___	MLv	15310633	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN1	0.01	204.2	Lg	18:02:59.164	-0.4					T__				___		15310634	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 0.9 1																								
TENKA	0.03	342.8	Pg	18:02:58.008	-0.1					T__		320.3		___	MLv	15310635	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.03	342.8	Lg	18:03:00.025	0.3					T__				___		15310636	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 0.9 1																								
HU23A	0.08	282.5	Pg	18:02:58.551	-0.0					T__		247.5		___	MLv	15310637	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.08	282.5	Lg	18:03:00.807	0.2					T__				___		15310638	FDSN	ZJ	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	
2019/08/14	21:41:37.78	4.16	0.05	47.6506	20.3860	16.2	7.8	60	13.8F	16.0	6	3	289	0.03	0.09	m	ke	BUD	15310652	iLoc			344

Magnitude	Err	Nsta	Author	OrigID
ML	0.6	0.0	3 ILOC	15310652

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TENKA	0.03	278.1	Pg	21:41:40.578	0.0					T__		160.9		___	MLv	15310654	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.03	278.1	Lg	21:41:42.639	-0.0					T__				___		15310655	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 0.6 1																								
ATAN1	0.04	207.7	Pg	21:41:40.659	-0.0					T__		188.3		___	MLv	15310656	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN1	0.04	207.7	Lg	21:41:42.883	0.1					T__				___		15310657	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 0.7 1																								
HU23A	0.09	262.9	Pg	21:41:41.199	0.0					T__		108.0		___	MLv	15310658	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.09	262.9	Lg	21:41:43.674	-0.0					T__				___		15310659	FDSN	ZJ	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
2019/08/14	23:04:54.79	2.30	0.03	47.6552	20.3839	21.1	9.0	61	12.0A	4	3	295	0.02	0.09	m	ke	BUD	15310688	iLoc			352

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TENKA	0.02	267.8	Pg	23:04:57.249	-0.0					T__		113.7		---	MLv	15310690	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.02	267.8	Lg	23:04:59.164	0.0					T__				---		15310691	FDSN	HU	--	BUD	iLoc	HHE	???	_
ATAN1	0.05	203.4	Pg	23:04:57.399	-0.0					T__		129.2		---	MLv	15310692	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
HU23A	0.09	259.9	Lg	23:05:00.298	-0.0					T__				---		15310693	FDSN	ZJ	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
2019/08/15	08:57:18.92	1.02	0.47	46.1523	18.2950	10.5	3.7	157	0.0S	5	3	169	0.15	0.37	m	sx	BUD	15310673	iLoc			281

(description : suspected quarry blast)
(locality : Komló-II Hungary)

Magnitude	Err	Nsta	Author	OrigID

Sta	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	08:57:22.761	0.2					T__		536.2		---	MLv	15310675	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.15	244.8	Lg	08:57:25.221	-0.3					T__				---		15310676	FDSN	HU	--	BUD	iLoc	BHN	???	_
MORH	0.25	75.2	Pg	08:57:24.719	0.2					T__		39.5		---	MLv	15310677	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	0.25	75.2	Lg	08:57:28.485	-0.5					T__				---		15310678	FDSN	HU	--	BUD	iLoc	BHE	???	_
A266A	0.37	356.8	Lg	08:57:32.957	-0.2					T__				---		15310679	FDSN	Z3	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
2019/08/15	09:05:15.66	1.01	1.22	48.5494	20.7880	6.6	5.4	179	0.0S	18	12	87	0.18	6.06	m	sx	BUD	15310702	iLoc			159

(description : suspected quarry blast)
(locality : Dvorniky-Vcelare Slovakia)

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.3	6 ILOC	15310702

Sta	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	252.2	Pg	09:05:19.367	-0.0					T__		664.3		---	MLv	15310704	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.18	252.2	Lg	09:05:22.351	0.0					T__				---		15310705	FDSN	ZJ	--	BUD	iLoc	HHN	???	_
(Station ML : 1.6 1																								
KECS	0.21	251.9	Pg	09:05:19.892	-0.2					T__		4400.9		---	MLv	15310706	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.21	251.9	Lg	09:05:24.090	0.5					T__				---		15310707	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 2.5 0																								
ABAH	0.39	129.9	Pg	09:05:24.456	0.7					T__		69.8		---	MLv	15310708	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.39	129.9	Lg	09:05:30.332	-0.3					T__				---		15310709	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.2 0																								
HU02A	0.46	202.4	Lg	09:05:31.832	-1.1					T__				---		15310710	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
PSZ	0.87	223.7	Pn	09:05:34.549	0.3					T__		59.0		---	MLv	15310711	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.87	223.7	Lg	09:05:46.737	-0.3					T__				---		15310712	FDSN	GE	--	BUD	iLoc	BHN	???	_

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(Station ML : 1.8 1
NIE 0.92 340.4 Pn 09:05:36.092 1.0 T__ 20.4 --- MLv 15310713 FDSN PL -- BUD iLoc BHZ BHZ _
NIE 0.92 340.4 Lg 09:05:45.503 -0.8 T__ --- 15310714 FDSN PL -- BUD iLoc BHE ??? _
(Station ML : 1.3 1
KOLS 1.06 68.1 Lg 09:05:51.596 -0.6 T__ --- 15310715 FDSN SK -- BUD iLoc HHN ??? _
A336A 1.23 255.8 Sn 09:05:56.870 -0.8 T__ --- 15310716 FDSN Z3 00 BUD iLoc HH2 ??? _
TRPA 1.24 109.1 Sn 09:05:57.069 -1.0 T__ --- 15310717 FDSN HU -- BUD iLoc HHE ??? _
VYHS 1.30 268.3 Pg 09:05:41.210 -0.5 T__ 141.2 --- MLv 15310718 FDSN SK -- BUD iLoc HHZ HHZ _
VYHS 1.30 268.3 Sn 09:05:58.669 -1.0 T__ --- 15310719 FDSN SK -- BUD iLoc HHN ??? _
(Station ML : 2.4 1
STZU 1.30 68.3 Pn 09:05:41.182 0.8 T__ --- 15310720 FDSN UA -- BUD iLoc MHZ ??? _
CFR 6.06 121.1 Pg 09:07:15.017 3.8 T__ --- 15310721 FDSN IR -- ISC iLoc ??? ??? _
CFR 6.06 121.1 Sn 09:07:39.204 -19.4 --- --- 15310722 FDSN IR -- ISC iLoc ??? ??? _
TPGR 6.42 122.3 Pg 09:07:11.675 -6.1 --- --- 15310723 FDSN IR -- ISC iLoc ??? ??? _
TPGR 6.42 122.3 Sn 09:07:33.055 -34.9 --- --- 15310724 FDSN IR -- ISC iLoc ??? ??? _

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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
2019/08/15 10:39:52.44 2.55 1.45 47.5058 18.6440 17.7 6.6 120 0.0S 6 5 177 0.22 1.00 m sx BUD 15310750 iLoc 243
(description : suspected quarry blast)
(locality : Many Hungary)

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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
A269A 0.22 307.0 Pg 10:39:57.714 0.4 T__ 2673.0 --- MLv 15310752 FDSN Z3 00 BUD iLoc HHZ HHZ _
CSKK 0.30 241.4 Lg 10:40:03.740 -0.7 T__ --- 15310753 FDSN HU -- BUD iLoc HHN ??? _
SR0 0.38 324.1 Lg 10:40:06.951 -0.2 T__ --- 15310754 FDSN SK -- BUD iLoc EHE ??? _
PSZ 0.94 63.5 Sn 10:40:29.861 2.2 T__ --- 15310755 FDSN GE -- BUD iLoc HHN ??? _
VYHS 1.00 7.4 Pn 10:40:13.230 0.4 T__ 44.6 --- MLv 15310756 FDSN SK -- BUD iLoc HHZ HHZ _
VYHS 1.00 7.4 Lg 10:40:26.384 -0.9 T__ --- 15310757 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
2019/08/16 06:11:09.61 0.91 0.47 47.9131 19.4259 8.5 2.8 176 0.0S 11 6 161 0.12 0.94 m kx BUD 15310766 iLoc 223
2019/08/16 06:11:09.38f 0.66 47.8920 19.4049f 0.0S 11 174 0.13 0.97 a kx BUD_GT 15328393 BUD 236
(GT info : GT2 explosion)
(description : known quarry blast)
(locality : Bercel Hungary)

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Magnitude Err Nsta Author OrigID

```

ML 1.5 0.0 5 BUD 15310766
ML 1.5 0.0 5 ILOC 15328393

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Sta 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 06:11:12.937 0.4 T__ 766.4 --- MLv 15330286 FDSN ZJ 00 BUD BUD HHZ HHZ _
HU03A 0.13 84.8 Lg 06:11:14.612 -0.5 T__ --- 15330287 FDSN ZJ 00 BUD BUD HHE ??? _
(Station ML : 1.6 1
A270A 0.26 259.9 Pg 06:11:15.659 0.5 T__ 443.9 --- MLv 15330288 FDSN Z3 00 BUD BUD HHZ HHZ _
A270A 0.26 259.9 Lg 06:11:20.999 1.1 T__ --- 15330289 FDSN Z3 00 BUD BUD HHN ??? _

```

```

(Station ML : 1.7 0
PSZ 0.33 85.2 Pg 06:11:16.623 -0.2 T__ 100.4 --- MLv 15330290 FDSN GE -- BUD BUD BHZ BHZ _
PSZ 0.33 85.2 Lg 06:11:22.096 -0.5 T__ --- 15330291 FDSN GE -- BUD BUD BHN ??? _
(Station ML : 1.2 0
A336A 0.44 321.6 Lg 06:11:25.639 0.2 T__ --- 15330292 FDSN Z3 00 BUD BUD HH2 ??? _
HU02A 0.79 72.6 Pg 06:11:24.893 -0.8 T__ 33.5 --- MLv 15330293 FDSN ZJ 00 BUD BUD HHZ HHZ _
HU02A 0.79 72.6 Lg 06:11:37.095 -1.0 T__ --- 15330294 FDSN ZJ 00 BUD BUD HHE ??? _
(Station ML : 1.5 1
JOS 0.97 51.0 Pn 06:11:29.669 0.6 T__ 27.3 --- MLv 15330295 FDSN ZJ -- BUD BUD HHZ HHZ _
JOS 0.97 51.0 Lg 06:11:43.009 -0.8 T__ --- 15330296 FDSN ZJ -- BUD BUD HHE ??? _

```

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/08/16	06:24:24.12	0.16	0.33	46.8453	22.8958	1.4	1.1	144	1.0A	19	119			0.14	2.05	a	ke BUC	15277165	ISC			360
2019/08/16	06:24:23.17	1.26	0.64	46.9410	22.9256				0.0F	3.7	9			0.21	1.61	a	kx KRSZO	15277161	ISC			360
2019/08/16	06:24:23.38	0.88	0.74	46.8645	22.9101	6.2	4.5	102	0.0S		34	11	69	0.15	2.06	m	sx BUD	15310800	iLoc			127

(description : suspected quarry blast)

(locality : Poieni Romania)

Magnitude	Err	Nsta	Author	OrigID
m1	1.4		BUC	15277165
M	1.7		KRSZO	15277161
MLv	1.7		KRSZO	15277161
ML	1.7	0.2	5 ILOC	15310800

Sta	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	0.15	242.0	Pg	06:24:27.020	0.2					T__		398.7		_c_	MLv	15310802	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
DRGR	0.15	242.0	Lg	06:24:29.230	-0.6					T__				---		15310803	FDSN	RO	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.3 1																										
MARR	0.24	142.7	Pg	06:24:28.780	0.3					T__				---		15310804	FDSN	IR	--	ISC	iLoc	???	???	_		
MARR	0.24	142.7	Pg	06:24:28.780	0.3					T__		0.1		---		15310805	FDSN	IR	--	ISC	iLoc	???	???	_		
MARR	0.24	142.7	Lg	06:24:32.107	-0.5					T__		0.1		---		15310806	FDSN	IR	--	ISC	iLoc	???	???	_		
MARR	0.24	142.7	Lg	06:24:32.107	-0.5					T__				---		15310807	FDSN	IR	--	ISC	iLoc	???	???	_		
MESR	0.29	5.4	Lg	06:24:34.458	0.1					T__				---		15310808	FDSN	IR	--	ISC	iLoc	???	???	_		
MESR	0.29	5.4	Lg	06:24:34.458	0.1					T__		0.1		---		15310809	FDSN	IR	--	ISC	iLoc	???	???	_		
SIRR	1.05	235.6	Pn	06:24:43.338	-1.0					T__		15.3		---	MLv	15310810	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
SIRR	1.05	235.6	Lg	06:24:59.506	0.1					T__				---		15310811	FDSN	RO	--	BUD	iLoc	BHN	???	_		
SIRR	1.05	235.8	Pn	06:24:43.755	-0.6					T__				---		15310812	FDSN	IR	--	ISC	iLoc	???	???	_		
SIRR	1.05	235.8	Pn	06:24:43.755	-0.6					T__				---		15310813	FDSN	IR	--	ISC	iLoc	???	???	_		
SIRR	1.05	235.8	Lg	06:24:58.075	-1.3					T__				---		15310814	FDSN	IR	--	ISC	iLoc	???	???	_		
(Station ML : 1.3 0																										
SURR	1.24	206.4	Pn	06:24:47.009	-0.0					T__				---		15310815	FDSN	IR	--	ISC	iLoc	???	???	_		
SURR	1.24	206.4	Lg	06:25:03.845	-0.5					T__				---		15310816	FDSN	IR	--	ISC	iLoc	???	???	_		
HU05A	1.39	300.3	Sn	06:25:05.934	-2.7					T__				---		15310817	FDSN	ZJ	00	BUD	iLoc	HHE	???	_		
GZR	1.47	183.7	Pg	06:24:51.793	0.5					T__				---		15310818	FDSN	IR	--	ISC	iLoc	???	???	_		
GZR	1.47	183.7	Pg	06:24:51.793	0.5					T__				---		15310819	FDSN	IR	--	ISC	iLoc	???	???	_		
GZR	1.47	183.7	Pg	06:24:52.175	0.8					T__		32.9		---	MLv	15310820	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
GZR	1.47	183.7	Sn	06:25:11.154	-0.4					T__				---		15310821	FDSN	RO	--	BUD	iLoc	BHN	???	_		
GZR	1.47	183.7	Lg	06:25:12.523	0.2					T__				---		15310822	FDSN	IR	--	ISC	iLoc	???	???	_		
(Station ML : 1.8 1																										
BZS	1.53	215.7	Pn	06:24:51.171	0.1					T__		22.7		---	MLv	15310823	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
BZS	1.53	215.7	Lg	06:25:13.411	-0.0					T__				---		15310824	FDSN	RO	--	BUD	iLoc	BHN	???	_		

BZS	1.54	216.2	Pn	06:24:51.703	0.5	T__								15310825	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.54	216.2	Lg	06:25:13.930	0.1	T__								15310826	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.7 1																						
LOT	1.54	156.8	Pn	06:24:52.457	0.6	T__		0.1						15310827	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.54	156.8	Sn	06:25:14.078	0.5	T__		0.1						15310828	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.54	156.9	Pg	06:24:52.675	-0.0	T__		123.6					MLv	15310829	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 2.4 0																						
BURAR	1.74	63.6	Pg	06:24:56.187	-1.0	T__								15310830	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	1.74	63.6	Pg	06:24:56.187	-1.0	T__								15310831	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	1.74	63.6	Sn	06:25:19.484	0.4	T__								15310832	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.06	133.1	Pn	06:24:59.739	0.5	T__								15310833	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.06	133.1	Pn	06:24:59.739	0.5	T__								15310834	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.06	133.1	Sn	06:25:27.613	0.6	T__								15310835	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/08/16	06:45:17.75	0.09	0.20	46.0366	22.8536	0.8	0.6	105	7.0F	1.1	23	73		0.15	1.65	a	ke BUC	15277221	ISC			360
2019/08/16	06:45:17.31	0.82	0.43	46.0558	22.8490	4.0	2.9	101	3.0F	9.9	46	13	67	0.17	1.66	m	ke BUD	15310862	iLoc			109

Magnitude	Err	Nsta	Author	OrigID
m1	1.5		BUC	15277221
ML	1.6	0.0	5 ILOC	15310862

Sta	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	168.5	Pg	06:45:20.887	0.2					T__		708.7			MLv	15310864	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DEV	0.17	168.5	Lg	06:45:22.278	-0.8					T__						15310865	FDSN	RO	--	BUD	iLoc	BHN	???	_
DEV	0.18	167.6	Lg	06:45:23.090	-0.2					T__		0.5				15310866	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.18	167.6	Lg	06:45:23.090	-0.2					T__						15310867	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.6 1																								
SURR	0.59	239.4	Pg	06:45:29.019	0.3					T__						15310868	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.59	239.4	Pg	06:45:29.019	0.3					T__						15310869	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.59	239.4	Lg	06:45:36.682	-0.3					T__						15310870	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.65	16.7	Pg	06:45:30.406	0.1					T__						15310871	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.65	16.7	Pg	06:45:30.406	0.1					T__						15310872	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.65	16.7	Lg	06:45:39.932	-0.6					T__						15310873	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.66	184.4	Pg	06:45:30.211	0.1					T__		70.1			MLv	15310874	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	0.66	184.4	Pg	06:45:30.383	0.3					T__						15310875	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.66	184.4	Pg	06:45:30.383	0.3					T__		0.1				15310876	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.66	184.4	Lg	06:45:39.499	-0.0					T__						15310877	FDSN	RO	--	BUD	iLoc	BHN	???	_
GZR	0.66	184.4	Lg	06:45:39.649	0.1					T__		0.1				15310878	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.66	184.4	Lg	06:45:39.649	0.1					T__						15310879	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.7 1																								
DRGR	0.74	352.7	Pg	06:45:32.347	0.2					T__						15310880	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.74	352.7	Pg	06:45:32.347	0.2					T__						15310881	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.74	352.7	Pg	06:45:32.736	0.6					T__		44.6			MLv	15310882	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.74	352.7	Lg	06:45:43.179	-0.4					T__						15310883	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 1.6 0																								
CJR	0.84	38.0	Lg	06:45:46.410	-0.1					T__						15310884	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.84	38.0	Lg	06:45:46.410	-0.1					T__		0.1				15310885	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.85	284.7	Pg	06:45:34.142	-0.3					T__		47.3			MLv	15310886	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.85	284.7	Lg	06:45:46.092	-0.6					T__						15310887	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	0.85	284.8	Lg	06:45:46.560	-0.1					T__		0.1				15310888	FDSN	IR	--	ISC	iLoc	???	???	_

SIRR	0.85	284.8	Lg	06:45:46.560	-0.1	T__	---	15310889	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.6 1																	
LOT	0.89	133.0	Pg	06:45:34.705	0.4	T__	---	15310890	FDSN	IR	--	ISC	iLoc	???	???	_	
LOT	0.89	133.0	Pg	06:45:34.705	0.4	T__	---	15310891	FDSN	IR	--	ISC	iLoc	???	???	_	
LOT	0.89	133.0	Lg	06:45:46.851	-0.4	T__	---	15310892	FDSN	IR	--	ISC	iLoc	???	???	_	
LOT	0.89	133.1	Pg	06:45:33.750	-0.6	T__	55.2	MLv	15310893	FDSN	RO	--	BUD	iLoc	BHN	BHZ	_
LOT	0.89	133.1	Lg	06:45:47.181	-0.3	T__	---	15310894	FDSN	RO	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.7 0																	
BZS	0.95	243.1	Lg	06:45:49.441	0.2	T__	---	15310895	FDSN	RO	--	BUD	iLoc	BHE	???	_	
BZS	0.97	243.4	Pg	06:45:36.330	0.3	T__	---	15310896	FDSN	IR	--	ISC	iLoc	???	???	_	
BZS	0.97	243.4	Pg	06:45:36.330	0.3	T__	---	15310897	FDSN	IR	--	ISC	iLoc	???	???	_	
BZS	0.97	243.4	Lg	06:45:49.116	-0.6	T__	---	15310898	FDSN	IR	--	ISC	iLoc	???	???	_	
HERR	1.21	194.7	Pg	06:45:40.500	0.3	T__	---	15310899	FDSN	IR	--	ISC	iLoc	???	???	_	
HERR	1.21	194.7	Pg	06:45:40.500	0.3	T__	0.1	---	15310900	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.21	194.7	Sn	06:45:57.428	-0.6	T__	0.1	---	15310901	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.21	194.7	Sn	06:45:57.428	-0.6	T__	---	15310902	FDSN	IR	--	ISC	iLoc	???	???	_	
ARCR	1.46	44.7	Lg	06:46:06.964	1.2	T__	---	15310903	FDSN	RO	--	BUD	iLoc	BHE	???	_	
MDVR	1.50	212.5	Pn	06:45:44.905	0.1	T__	---	15310904	FDSN	IR	--	ISC	iLoc	???	???	_	
MDVR	1.50	212.5	Pn	06:45:44.905	0.1	T__	---	15310905	FDSN	IR	--	ISC	iLoc	???	???	_	
MDVR	1.50	212.5	Sn	06:46:05.590	0.2	T__	---	15310906	FDSN	IR	--	ISC	iLoc	???	???	_	
VOIR	1.66	111.1	Pn	06:45:47.114	-0.4	T__	---	15310907	FDSN	IR	--	ISC	iLoc	???	???	_	
VOIR	1.66	111.1	Pn	06:45:47.114	-0.4	T__	---	15310908	FDSN	IR	--	ISC	iLoc	???	???	_	
VOIR	1.66	111.1	Sn	06:46:09.682	-0.7	T__	---	15310909	FDSN	IR	--	ISC	iLoc	???	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/08/16	06:58:10.51	0.23	0.50	46.0153	22.8274	1.8	1.6	4	6.8F	2.2	20	72	0.14	1.66	a	ke	BUC	15277299	ISC			360
2019/08/16	06:58:09.96	0.84	0.50	46.0334	22.8269	4.0	3.5	86	4.7F	8.0	41	11	72	0.15	1.67	m	ke	BUD	15310938	iLoc		116

Magnitude	Err	Nsta	Author	OrigID
m1	1.6		BUC	15277299
ML	1.7	0.1	6 ILOC	15310938

Sta	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	161.3	Pg	06:58:12.761	-0.3					T__		599.4		---	MLv	15310940	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DEV	0.15	161.3	Lg	06:58:15.171	-0.1					T__				---	---	15310941	FDSN	RO	--	BUD	iLoc	BHN	???	_
DEV	0.16	160.4	Lg	06:58:15.745	0.3					T__		0.5		---	---	15310942	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.16	160.4	Lg	06:58:15.745	0.3					T__				---	---	15310943	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.5 1																								
SURR	0.56	240.6	Pg	06:58:20.906	-0.0					T__				---	---	15310944	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.56	240.6	Pg	06:58:20.906	-0.0					T__				---	---	15310945	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.56	240.6	Lg	06:58:28.554	-0.3					T__				---	---	15310946	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.64	183.2	Pg	06:58:22.050	-0.3					T__		86.8		---	MLv	15310947	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	0.64	183.2	Pg	06:58:22.217	-0.1					T__				---	---	15310948	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.64	183.2	Pg	06:58:22.217	-0.1					T__		0.1		---	---	15310949	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.64	183.2	Lg	06:58:31.188	-0.2					T__				---	---	15310950	FDSN	RO	--	BUD	iLoc	BHN	???	_
GZR	0.64	183.2	Lg	06:58:31.640	0.2					T__		0.1		---	---	15310951	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.64	183.2	Lg	06:58:31.640	0.2					T__				---	---	15310952	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.8 1																								
DRGR	0.76	354.0	Pg	06:58:25.900	0.7					T__				---	---	15310953	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.76	354.0	Pg	06:58:25.900	0.7					T__				---	---	15310954	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.76	354.0	Pg	06:58:24.560	-0.6					T__		49.1		---	MLv	15310955	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_

DRGR	0.76	354.0	Lg	06:58:35.104	-1.6	T__	---	15310956	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 1.6 1																
SIRR	0.84	286.4	Pg	06:58:25.966	-0.9	T__	57.4	---	MLv	15310957	FDSN	RO	--	BUD	iLoc	BHZ BHZ _
SIRR	0.84	286.4	Lg	06:58:38.619	-0.2	T__	---	---	---	15310958	FDSN	RO	--	BUD	iLoc	BHE ??? _
SIRR	0.84	286.5	Pg	06:58:27.017	0.1	T__	---	---	---	15310959	FDSN	IR	--	ISC	iLoc	??? ??? _
SIRR	0.84	286.5	Pg	06:58:27.017	0.1	T__	0.1	---	---	15310960	FDSN	IR	--	ISC	iLoc	??? ??? _
(Station ML : 1.7 1																
CJR	0.86	37.9	Lg	06:58:39.919	0.1	T__	---	---	---	15310961	FDSN	IR	--	ISC	iLoc	??? ??? _
CJR	0.86	37.9	Lg	06:58:39.919	0.1	T__	0.1	---	---	15310962	FDSN	IR	--	ISC	iLoc	??? ??? _
LOT	0.88	131.2	Lg	06:58:40.978	1.1	T__	---	---	---	15310963	FDSN	IR	--	ISC	iLoc	??? ??? _
LOT	0.88	131.3	Pg	06:58:26.820	-0.2	T__	67.6	---	MLv	15310964	FDSN	RO	--	BUD	iLoc	BHZ BHZ _
LOT	0.88	131.3	Lg	06:58:39.121	-0.9	T__	---	---	---	15310965	FDSN	RO	--	BUD	iLoc	BHE ??? _
(Station ML : 1.8 0																
BZS	0.93	243.9	Pg	06:58:28.025	0.1	T__	29.2	---	MLv	15310966	FDSN	RO	--	BUD	iLoc	BHZ BHZ _
BZS	0.93	243.9	Lg	06:58:41.179	0.3	T__	---	---	---	15310967	FDSN	RO	--	BUD	iLoc	BHE ??? _
BZS	0.94	244.2	Pg	06:58:28.133	-0.1	T__	---	---	---	15310968	FDSN	IR	--	ISC	iLoc	??? ??? _
BZS	0.94	244.2	Pg	06:58:28.133	-0.1	T__	---	---	---	15310969	FDSN	IR	--	ISC	iLoc	??? ??? _
BZS	0.94	244.2	Lg	06:58:41.882	0.5	T__	---	---	---	15310970	FDSN	IR	--	ISC	iLoc	??? ??? _
(Station ML : 1.5 0																
HERR	1.19	194.2	Pn	06:58:32.402	-0.3	T__	---	---	---	15310971	FDSN	IR	--	ISC	iLoc	??? ??? _
HERR	1.19	194.2	Pn	06:58:32.402	-0.3	T__	0.1	---	---	15310972	FDSN	IR	--	ISC	iLoc	??? ??? _
HERR	1.19	194.2	Lg	06:58:49.092	0.3	T__	0.1	---	---	15310973	FDSN	IR	--	ISC	iLoc	??? ??? _
HERR	1.19	194.2	Lg	06:58:49.092	0.3	T__	---	---	---	15310974	FDSN	IR	--	ISC	iLoc	??? ??? _
MDVR	1.48	212.5	Pn	06:58:37.290	0.4	T__	---	---	---	15310975	FDSN	IR	--	ISC	iLoc	??? ??? _
MDVR	1.48	212.5	Pn	06:58:37.290	0.4	T__	---	---	---	15310976	FDSN	IR	--	ISC	iLoc	??? ??? _
MDVR	1.48	212.5	Lg	06:58:58.457	0.3	T__	---	---	---	15310977	FDSN	IR	--	ISC	iLoc	??? ??? _
VOIR	1.67	110.2	Pn	06:58:39.958	-0.1	T__	---	---	---	15310978	FDSN	IR	--	ISC	iLoc	??? ??? _
VOIR	1.67	110.2	Pn	06:58:39.958	-0.1	T__	---	---	---	15310979	FDSN	IR	--	ISC	iLoc	??? ??? _
VOIR	1.67	110.2	Sn	06:59:02.231	-0.6	T__	---	---	---	15310980	FDSN	IR	--	ISC	iLoc	??? ??? _

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/08/16 07:29:56.02 1.05 0.81 47.8322 19.1401 7.2 3.0 2 0.0S 11 6 198 0.08 1.15 m sx BUD 15311013 iLoc 266
 (description : suspected quarry blast)
 (locality : Dunabogdány Hungary)

Magnitude Err Nsta Author OrigID
 ML 1.5 0.1 6 ILOC 15311013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
A270A	0.08	279.1	Pg	07:29:58.329	0.1					T__		1255.0			MLv	15311015	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A270A	0.08	279.1	Lg	07:30:00.240	0.0					T__						15311016	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
(Station ML : 1.6 0																									
HU03A	0.32	76.8	Pg	07:30:03.291	0.3					T__		149.6			MLv	15311017	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
HU03A	0.32	76.8	Lg	07:30:09.731	1.5					T__						15311018	FDSN	ZJ	00	BUD	iLoc	HHN	???	_	
(Station ML : 1.4 1																									
A336A	0.41	346.8	Pg	07:30:04.982	0.4					T__		104.8			MLv	15311019	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A336A	0.41	346.8	Lg	07:30:10.497	-0.8					T__						15311020	FDSN	Z3	00	BUD	iLoc	HH3	???	_	
(Station ML : 1.5 1																									
PSZ	0.52	80.1	Pg	07:30:06.598	-0.7					T__		34.8			MLv	15311021	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	0.52	80.1	Lg	07:30:14.682	-0.9					T__						15311022	FDSN	GE	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.3 0																									

HU02A	0.97	72.2	Pn	07:30:15.094	-0.9	T__	26.0	___	MLv	15311023	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
(Station ML : 1.5 1																			
JOS	1.15	54.1	Pg	07:30:18.672	-0.1	T__	27.2	___	MLv	15311024	FDSN	ZJ	--	BUD	iLoc	HHE	HHZ	_	
JOS	1.15	54.1	Lg	07:30:36.382	-0.1	T__		---		15311025	FDSN	ZJ	--	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
2019/08/16	08:21:15.42	0.27	0.36	46.9783	22.3172	1.9	1.6	143	3.3F	2.1	14	155	0.33	1.83	a	ke	BUC	15277371	ISC			360
2019/08/16	08:21:15.47	0.41	0.59	47.0141	22.3222				0.0F	3.2	9	155	0.35	1.65	a	kx	KRSZO	15277367	ISC			360
2019/08/16	08:21:14.16	1.00	0.80	47.0130	22.3170	6.3	5.0	146	0.0S		27	10	156	0.35	1.86	m	sx	BUD	15311051	iLoc		168
(description : suspected quarry blast)																						
(locality : Tetchea Romania)																						

Magnitude	Err	Nsta	Author	OrigID
ml	1.7		BUC	15277371
M	1.6		KRSZO	15277367
MLv	1.6		KRSZO	15277367
ML	1.6	0.2	5 ILOC	15311051

Sta	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	0.35	129.2	Pg	08:21:21.405	0.0					T__		130.5		___	MLv	15311053	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.35	129.2	Lg	08:21:26.426	-0.8					T__				---		15311054	FDSN	RO	--	BUD	iLoc	BHE	???	_
DRGR	0.35	129.2	Pg	08:21:21.524	0.1					T__				---		15311055	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.35	129.2	Pg	08:21:21.524	0.1					T__				---		15311056	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.4 1																								
MESR	0.45	72.2	Lg	08:21:30.598	-0.3					T__				---		15311057	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.45	72.2	Lg	08:21:30.598	-0.3					T__		0.3		---		15311058	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.65	121.2	Pg	08:21:27.034	-0.1					T__				---		15311059	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.65	121.2	Lg	08:21:36.246	-1.1					T__				---		15311060	FDSN	IR	--	ISC	iLoc	???	???	_
CEI	0.68	8.1	Lg	08:21:39.552	-0.2					T__				---		15311061	FDSN	IR	--	ISC	iLoc	???	???	_
CEI	0.68	8.1	Lg	08:21:39.552	-0.2					T__		0.2		---		15311062	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.87	211.5	Pg	08:21:31.765	-0.0					T__				---		15311063	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.87	211.5	Lg	08:21:43.766	-1.1					T__				---		15311064	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.87	211.3	Pg	08:21:31.548	-0.3					T__		40.1		---	MLv	15311065	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.87	211.3	Lg	08:21:44.100	-0.9					T__				---		15311066	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.6 1																								
CJR	0.93	108.4	Lg	08:21:46.406	-0.1					T__		0.1		---		15311067	FDSN	IR	--	ISC	iLoc	???	???	_
TRPA	1.13	7.6	Pn	08:21:36.468	0.3					T__		10.4		---	MLv	15311068	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
TRPA	1.13	7.6	Lg	08:21:52.022	-1.3					T__				---		15311069	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.1 0																								
BZS	1.47	198.8	Pn	08:21:42.142	1.1					T__		26.0		---	MLv	15311070	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	1.47	198.8	Sn	08:22:01.874	0.2					T__				---		15311071	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	1.48	199.4	Pn	08:21:42.370	1.2					T__				---		15311072	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.48	199.4	Pn	08:21:42.370	1.2					T__				---		15311073	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.48	199.4	Sn	08:22:01.980	0.2					T__				---		15311074	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.7 1																								
GZR	1.65	168.7	Pn	08:21:44.947	1.0					T__				---		15311075	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.65	168.7	Pn	08:21:44.947	1.0					T__				---		15311076	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.65	168.7	Pg	08:21:46.359	0.9					T__		26.5		---	MLv	15311077	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.65	168.7	Sn	08:22:07.170	0.7					T__				---		15311078	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.8 0																								
LOT	1.86	146.7	Sn	08:22:13.422	1.3					T__				---		15311079	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/08/16	08:29:50.15	1.27	0.87	48.2398	21.2368	7.8	3.5	127	0.0S	16	9	105		0.06	1.76	m	kx BUD	15311104	iLoc			154
2019/08/16	08:29:50.14f		0.83	48.2470	21.2460f				0.0S	16		105		0.05	1.76	a	kx BUD_GT	15328403	BUD			153

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.2	6 BUD	15311104
ML	1.8	0.2	6 ILOC	15328403

Sta	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	08:29:52.112	0.4					T__		10187.8		___	MLv	15330297	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
ABAH	0.05	355.1	Lg	08:29:52.733	-0.6					T__				___		15330298	FDSN	HU	--	BUD	BUD	HHN	???	_
(Station ML : 2.4 0)																								
HU02A	0.50	255.8	Pg	08:30:00.777	0.1					T__		81.7		___	MLv	15330299	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.50	255.8	Lg	08:30:08.177	-0.6					T__				___		15330300	FDSN	ZJ	00	BUD	BUD	HHN	???	_
(Station ML : 1.6 1)																								
JOS	0.53	298.0	Pg	08:30:01.346	0.5					T__		73.1		___	MLv	15330301	FDSN	ZJ	--	BUD	BUD	HHZ	HHZ	_
JOS	0.53	298.0	Lg	08:30:09.192	0.1					T__				___		15330302	FDSN	ZJ	--	BUD	BUD	HHN	???	_
(Station ML : 1.6 1)																								
KECS	0.56	295.3	Pg	08:30:02.005	0.6					T__		154.8		___	MLv	15330303	FDSN	SK	--	BUD	BUD	EHE	EHZ	_
KECS	0.56	295.3	Lg	08:30:09.707	-0.3					T__				___		15330304	FDSN	SK	--	BUD	BUD	EHN	???	_
(Station ML : 2.0 1)																								
TRPA	0.87	97.2	Pn	08:30:08.390	-0.1					T__		27.8		___	MLv	15330305	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
TRPA	0.87	97.2	Lg	08:30:21.265	-0.3					T__				___		15330306	FDSN	HU	--	BUD	BUD	BHE	???	_
(Station ML : 1.4 0)																								
PSZ	0.96	250.6	Pg	08:30:10.427	-0.0					T__		72.4		___	MLv	15330307	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.96	250.6	Lg	08:30:22.294	-2.6					T__				___		15330308	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.9 1)																								
KOLS	0.97	44.4	Pn	08:30:10.638	0.6					T__				___		15330309	FDSN	SK	--	BUD	BUD	HHZ	???	_
KOLS	0.97	44.4	Lg	08:30:24.584	0.2					T__				___		15330310	FDSN	SK	--	BUD	BUD	HHE	???	_
A336A	1.50	270.3	Lg	08:30:41.185	-1.0					T__				___		15330311	FDSN	Z3	00	BUD	BUD	HH3	???	_
DRGR	1.76	145.2	Sn	08:30:46.305	1.1					T__				___		15330312	FDSN	RO	--	BUD	BUD	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/08/16	10:00:59.04	0.29	0.38	47.5763	16.3591	2.1	1.4	135	0.0F	0.0	11		4	0.13	0.65	a	sx VIE	15277413	ISC			360
2019/08/16	10:00:58.46	0.91	1.08	47.6056	16.3974	4.7	3.3	143	0.0S		18	11	130	0.12	1.85	m	sx BUD	15311181	iLoc			182

(description : suspected quarry blast)
 (locality : Burgruine-Landsee Austria)

Magnitude	Err	Nsta	Author	OrigID
mb	0.9		VIE	15277413
ml	1.7		VIE	15277413
ML	1.3	0.5	3 ILOC	15311181

Sta	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	324.1	Pg	10:01:01.268	0.1	T__	8.0	0.10	---	15311183	FDSN	IR	--	ISC	iLoc	???	???	_	
RONA	0.12	324.1	Lg	10:01:03.393	0.2	T__	61.2	0.26	---	15311184	FDSN	IR	--	ISC	iLoc	???	???	_	
SOP	0.13	54.4	Pg	10:01:02.387	0.9	T__	182.7		---	15311185	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
SOP	0.13	54.4	Lg	10:01:05.035	1.2	T__			---	15311186	FDSN	HU	--	BUD	iLoc	BHN	???	_	
(Station ML : 0.9 1																			
A011B	0.36	236.6	Pg	10:01:05.037	-0.5	T__	105.4		---	15311187	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A011B	0.36	236.6	Lg	10:01:09.876	-0.3	T__			---	15311188	FDSN	Z3	00	BUD	iLoc	HH3	???	_	
(Station ML : 1.3 1																			
CONA	0.48	312.0	Pg	10:01:08.125	-0.1	T__	98.6		---	15311189	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_	
CONA	0.48	312.0	Lg	10:01:15.762	1.1	T__			---	15311190	FDSN	OE	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.6 1																			
ARSA	0.69	239.4	Lg	10:01:21.296	0.7	T__	6.2	0.44	---	15311191	FDSN	IR	--	ISC	iLoc	???	???	_	
ARSA	0.69	239.4	Lg	10:01:20.651	0.1	T__			---	15311192	FDSN	OE	--	BUD	iLoc	HHZ	???	_	
A013A	0.81	304.8	Lg	10:01:25.808	1.2	T__			---	15311193	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
MODS	0.97	37.2	Pg	10:01:17.009	-1.2	T__			---	15311194	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.97	37.2	Lg	10:01:30.394	-2.7	T__			---	15311195	FDSN	SK	--	BUD	iLoc	HHN	???	_	
KOGS	1.16	185.0	Lg	10:01:36.480	0.5	T__			---	15311196	FDSN	SL	--	BUD	iLoc	BHE	???	_	
A007A	1.25	332.7	Sn	10:01:38.837	-1.6	T__			---	15311197	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
KRUC	1.46	359.9	Pn	10:01:25.500	0.0	T__			---	15311198	FDSN	IR	--	ISC	iLoc	???	???	_	
KRUC	1.46	359.9	Sn	10:01:45.000	-0.3	T__			---	15311199	FDSN	IR	--	ISC	iLoc	???	???	_	
CKRC	1.85	311.8	Sn	10:01:55.305	0.0	T__			---	15311200	FDSN	CZ	--	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
2019/08/16	22:11:34.10	0.79	0.47	47.6374	20.3080	6.6	3.7	9	8.9	3.6	11	6	146	0.03	0.91	m	ke BUD	15252668	scolv@krszo			360
2019/08/16	22:11:34.31	1.53	0.62	47.6774	20.3292	10.9	3.8	4	7.0F	14.2	11	6	106	0.03	0.87	m	ke BUD_GT	15311147	iLoc		146	

(GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)

Magnitude	Err	Nsta	Author	OrigID	
M	1.3	5	BUD	15252668	
MLv	1.3	0.4	5	BUD	15252668
ML	1.4	0.3	5	ILOC	15311147

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
TENKA	0.03	151.2	Pg	22:11:35.797	-0.1					T__		1074.2		---	MLv	15311149	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
TENKA	0.03	151.2	Lg	22:11:37.871	0.6					T__				---		15311150	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.4 1																									
HU23A	0.07	234.5	Pg	22:11:36.341	-0.1					T__		215.0		---	MLv	15311151	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
HU23A	0.07	234.5	Lg	22:11:38.850	0.7					T__				---		15311152	FDSN	ZJ	00	BUD	iLoc	HHN	???	_	
(Station ML : 0.8 0																									
ATAN1	0.07	163.6	Pg	22:11:35.849	-0.6					T__		1784.3		---	MLv	15311153	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ATAN1	0.07	163.6	Lg	22:11:38.037	-0.1					T__				---		15311154	FDSN	HU	--	BUD	iLoc	HHE	???	_	
(Station ML : 1.7 0																									
PSZ	0.38	309.6	Pg	22:11:42.339	-0.3					T__		34.7		---	MLv	15311155	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	0.38	309.6	Lg	22:11:48.076	-0.7					T__				---		15311156	FDSN	GE	--	BUD	iLoc	BHE	???	_	
(Station ML : 0.9 1																									
JOS	0.83	9.6	Lg	22:12:03.118	0.3					T__				---		15311157	FDSN	ZJ	--	BUD	iLoc	HHE	???	_	
ABAH	0.87	44.3	Pg	22:11:51.919	0.6					T__		43.0		---	MLv	15311158	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ABAH	0.87	44.3	Lg	22:12:05.058	0.6					T__				---		15311159	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
2019/08/17	08:19:47.55	4.17	0.04	47.6450	20.3778	13.9	7.3	66	14.1F	16.7	6	3	269	0.02	0.09	m	ke BUD	15311217	iLoc			331

Magnitude	Err	Nsta	Author	OrigID
ML	1.0	0.1	3 ILOC	15311217

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
TENKA	0.02	294.9	Pg	08:19:50.370	0.0					T__		595.5		___	MLv	15311219	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
TENKA	0.02	294.9	Lg	08:19:52.452	-0.0					T__				---		15311220	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Station ML : 1.1 1																										
ATAN1	0.03	204.0	Pg	08:19:50.420	-0.0					T__		354.2		___	MLv	15311221	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
ATAN1	0.03	204.0	Lg	08:19:52.628	0.0					T__				---		15311222	FDSN	HU	--	BUD	iLoc	HHE	???	_		
(Station ML : 0.9 1																										
HU23A	0.09	266.1	Pg	08:19:50.926	0.0					T__		316.3		___	MLv	15311223	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_		
HU23A	0.09	266.1	Lg	08:19:53.375	-0.0					T__				---		15311224	FDSN	ZJ	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
2019/08/17	10:13:19.26	4.17	1.77	47.7147	20.3053	24.2	8.2	171	13.7F	18.5	6	3	308	0.07	0.11	m	ke BUD	15311238	iLoc			353

Magnitude	Err	Nsta	Author	OrigID
ML	0.9	0.1	3 ILOC	15311238

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
TENKA	0.07	154.5	Pg	10:13:22.338	0.0					T__		240.1		___	MLv	15311240	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
TENKA	0.07	154.5	Lg	10:13:24.414	-0.2					T__				---		15311241	FDSN	HU	--	BUD	iLoc	HHE	???	_		
(Station ML : 0.9 1																										
HU23A	0.08	206.4	Pg	10:13:22.934	0.4					T__		233.1		___	MLv	15311242	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_		
HU23A	0.08	206.4	Lg	10:13:23.442	-1.6					T__				---		15311243	FDSN	ZJ	00	BUD	iLoc	HHZ	???	_		
(Station ML : 0.9 1																										
ATAN1	0.11	160.9	Pg	10:13:22.369	-0.5					T__		290.8		___	MLv	15311244	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
ATAN1	0.11	160.9	Lg	10:13:27.302	1.9					T__				---		15311245	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
2019/08/17	18:00:45.34	1.68	0.62	47.6545	20.3351	10.7	3.6	2	8.6F	9.6	10	6	94	0.01	0.88	m	ke BUD	15311259	iLoc			163

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.0	5 ILOC	15311259

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
TENKA	0.01	91.6	Pg	18:00:46.998	-0.1					T__		1729.6		___	MLv	15311261	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
TENKA	0.01	91.6	Lg	18:00:49.047	0.5					T__				---		15311262	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Station ML : 1.6 1																										
ATAN1	0.04	160.1	Pg	18:00:47.027	-0.4					T__		4035.0		___	MLv	15311263	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
ATAN1	0.04	160.1	Lg	18:00:49.200	0.2					T__				---		15311264	FDSN	HU	--	BUD	iLoc	HHE	???	_		
(Station ML : 2.0 0																										
HU23A	0.06	255.0	Pg	18:00:47.502	-0.1					T__		415.8		___	MLv	15311265	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_		
HU23A	0.06	255.0	Lg	18:00:49.961	0.6					T__				---		15311266	FDSN	ZJ	00	BUD	iLoc	HHN	???	_		
(Station ML : 1.1 1																										

PSZ	0.40	311.8	Pg	18:00:54.156	0.1					T__	26.0	---	MLv	15311267	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.40	311.8	Lg	18:00:59.326	-1.2					T__		---		15311268	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 0.8 0																						
JOS	0.85	9.1	Lg	18:01:14.647	0.3					T__		---		15311269	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
ABAH	0.88	43.1	Pg	18:01:03.205	0.3					T__	38.2	---	MLv	15311270	FDSN	HU	--	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
2019/08/17	21:54:27.97	2.96	0.28	47.6554	20.3791	16.9	8.2	52	16.6F	12.7	7	4	250	0.02	0.42	m	ke	BUD	15311292	iLoc		310

Magnitude	Err	Nsta	Author	OrigID
ML	1.1	0.4	3 ILOC	15311292

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TENKA	0.02	267.1	Pg	21:54:31.416	0.2					T__		554.2		---	MLv	15311294	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.02	267.1	Lg	21:54:33.475	-0.2					T__				---		15311295	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.1 1																								
ATAN1	0.04	199.5	Pg	21:54:31.458	0.1					T__		1324.6		---	MLv	15311296	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN1	0.04	199.5	Lg	21:54:33.626	-0.2					T__				---		15311297	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.5 1																								
HU23A	0.09	259.5	Pg	21:54:31.919	0.2					T__		190.2		---	MLv	15311298	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.09	259.5	Lg	21:54:34.396	-0.1					T__				---		15311299	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 0.8 1																								
PSZ	0.42	309.0	Lg	21:54:43.898	-0.3					T__				---		15311300	FDSN	GE	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/08/18	00:44:40.80	1.56	0.24	47.6233	20.3779	17.2	7.8	106	12.0A		5	3	268	0.02	0.09	m	ke	BUD	15311314	iLoc		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
ATAN1	0.02	235.0	Pg	00:44:43.336	0.1					T__		90.0		---	MLv	15311316	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN1	0.02	235.0	Lg	00:44:44.814	-0.3					T__				---		15311317	FDSN	HU	--	BUD	iLoc	HHN	???	_
TENKA	0.04	326.9	Pg	00:44:43.339	0.0					T__		109.2		---	MLv	15311318	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.04	326.9	Lg	00:44:45.382	0.1					T__				---		15311319	FDSN	HU	--	BUD	iLoc	HHN	???	_
HU23A	0.09	280.3	Lg	00:44:46.198	-0.0					T__				---		15311320	FDSN	ZJ	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
2019/08/18	02:55:04.64	4.03	0.33	47.7120	20.4218	26.7	11.6	40	12.0A		5	3	325	0.08	0.14	m	ke	BUD	15311355	iLoc		343

Magnitude	Err	Nsta	Author	OrigID
ML	0.6	0.0	3 ILOC	15311355

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TENKA	0.08	220.8	Pg	02:55:07.717	0.2					T__		133.7		---	MLv	15311357	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.08	220.8	Lg	02:55:09.786	0.0					T__				---		15311358	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 0.6 1																								

ATAN1	0.11	203.9	Pg	02:55:07.769	-0.2	T__	212.3	___	MLv	15311359	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN1	0.11	203.9	Lg	02:55:10.811	0.3	T__		---		15311360	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 0.9 1																		
HU23A	0.14	237.9	Pg	02:55:08.281	-0.2	T__	92.0	___	MLv	15311361	FDSN	ZJ	00	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
2019/08/18	03:06:53.80	2.13	0.34	47.6327	20.3606	10.9	7.8	24	10.0F	9.2	7	4	208	0.02	0.42	m	ke	BUD	15311329	iLoc		296

Magnitude	Err	Nsta	Author	OrigID
ML	1.0	0.2	4 ILOC	15311329

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
ATAN1	0.02	187.0	Pg	03:06:55.726	-0.2					T__		854.7		---	MLv	15311331	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN1	0.02	187.0	Lg	03:06:57.914	0.3					T__				---		15311332	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.3 1																								
TENKA	0.02	338.5	Pg	03:06:55.702	-0.2					T__		540.1		---	MLv	15311333	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.02	338.5	Lg	03:06:57.772	0.2					T__				---		15311334	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.1 1																								
HU23A	0.08	274.8	Pg	03:06:56.223	-0.2					T__		164.6		---	MLv	15311335	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.08	274.8	Lg	03:06:58.732	0.2					T__				---		15311336	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 0.7 1																								
PSZ	0.42	312.4	Pg	03:07:03.095	-0.0					T__		32.7		---	MLv	15311337	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/08/18	04:40:19.77	4.17	0.10	47.6432	20.3810	14.0	7.7	70	14.3F	16.7	6	3	271	0.02	0.09	m	ke	BUD	15311375	iLoc			330

Magnitude	Err	Nsta	Author	OrigID
ML	0.6	0.0	3 ILOC	15311375

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
TENKA	0.02	296.6	Pg	04:40:22.658	0.0					T__		169.1		---	MLv	15311377	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.02	296.6	Lg	04:40:24.725	-0.1					T__				---		15311378	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 0.6 1																								
ATAN1	0.03	208.5	Pg	04:40:22.670	-0.0					T__		166.6		---	MLv	15311379	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN1	0.03	208.5	Lg	04:40:24.983	0.1					T__				---		15311380	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 0.6 1																								
HU23A	0.09	267.4	Pg	04:40:23.217	0.0					T__		92.3		---	MLv	15311381	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.09	267.4	Lg	04:40:25.673	-0.1					T__				---		15311382	FDSN	ZJ	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	
2019/08/18	05:01:30.76	4.18	1.43	47.6837	20.3152	19.7	6.6	176	13.8F	17.8	6	3	278	0.04	0.08	m	ke	BUD	15311396	iLoc			344

Magnitude	Err	Nsta	Author	OrigID
ML	0.8	0.3	3 ILOC	15311396

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

TENKA	0.04	143.0	Pg	05:01:33.582	-0.0					T__	274.7	---	MLv	15311398	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.04	143.0	Lg	05:01:35.629	-0.1					T__		---		15311399	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 0.8 1)																						
HU23A	0.06	224.8	Pg	05:01:34.159	0.3					T__	113.4	---	MLv	15311400	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.06	224.8	Lg	05:01:34.821	-1.3					T__		---		15311401	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 0.5 1)																						
ATAN1	0.08	158.1	Pg	05:01:33.577	-0.4					T__	343.8	---	MLv	15311402	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN1	0.08	158.1	Lg	05:01:37.766	1.5					T__		---		15311403	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
2019/08/19	00:49:31.10	4.17	0.06	47.6461	20.3750	13.8	7.3	62	14.3F	16.8	6	3	266	0.02	0.09	m	ke	BUD	15311417	iLoc		331

Magnitude	Err	Nsta	Author	OrigID
ML	0.7	0.3	3 ILOC	15311417

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
TENKA	0.02	294.3	Pg	00:49:33.970	0.0					T__		223.1	---	MLv	15311419	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
TENKA	0.02	294.3	Lg	00:49:36.027	-0.1					T__			---		15311420	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 0.7 1)																								
ATAN1	0.03	200.3	Pg	00:49:34.016	-0.0					T__		483.9	---	MLv	15311421	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ATAN1	0.03	200.3	Lg	00:49:36.272	0.1					T__			---		15311422	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.1 1)																								
HU23A	0.09	265.3	Pg	00:49:34.490	0.0					T__		93.1	---	MLv	15311423	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
HU23A	0.09	265.3	Lg	00:49:36.975	-0.0					T__			---		15311424	FDSN	ZJ	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
2019/08/19	07:49:25.05	0.82	0.94	48.6466	18.6023	4.1	2.7	49	0.0S		20	12	74	0.18	1.38	m	sx	BUD	15311438	iLoc		122
(description : suspected quarry blast)																						
(locality : Podhradie Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.2	7 ILOC	15311438

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
A332A	0.18	330.0	Pg	07:49:29.005	0.1					T__		520.6	---	MLv	15311440	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A332A	0.18	330.0	Lg	07:49:31.504	-0.2					T__			---		15311441	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
(Station ML : 1.5 1)																								
VYHS	0.22	134.4	Pg	07:49:29.916	0.2					T__		58.9	---	MLv	15311442	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_	
VYHS	0.22	134.4	Lg	07:49:33.129	-0.0					T__			---		15311443	FDSN	SK	--	BUD	iLoc	HHN	???	_	
(Station ML : 0.7 0)																								
A335A	0.27	221.6	Pg	07:49:31.555	0.8					T__		300.0	---	MLv	15311444	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A335A	0.27	221.6	Lg	07:49:35.838	0.7					T__			---		15311445	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
(Station ML : 1.5 1)																								
A336A	0.49	147.3	Lg	07:49:42.255	-0.5					T__			---		15311446	FDSN	Z3	00	BUD	iLoc	HH2	???	_	
A331A	0.56	333.6	Pg	07:49:36.803	0.6					T__		92.8	---	MLv	15311447	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
(Station ML : 1.8 1)																								
JAVC	0.65	289.4	Pg	07:49:38.753	0.2					T__			---		15311448	FDSN	CZ	--	BUD	iLoc	BHZ	???	_	
JAVC	0.65	289.4	Lg	07:49:48.594	-0.2					T__			---		15311449	FDSN	CZ	--	BUD	iLoc	BHN	???	_	

LANS	0.76	48.2	Lg	07:49:49.598	-0.9	T__	---	15311450	FDSN	SK	--	BUD	iLoc	EHN	???	_		
MODS	0.92	253.2	Lg	07:49:55.522	-2.3	T__	---	15311451	FDSN	SK	--	BUD	iLoc	HHN	???	_		
PSZ	1.13	129.7	Pn	07:49:47.087	-0.3	T__	36.0	---	MLv	15311452	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	1.13	129.7	Sn	07:50:03.255	-2.0	T__	---	15311453	FDSN	GE	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.7 1																		
JOS	1.29	96.0	Pn	07:49:49.651	0.2	T__	25.7	---	MLv	15311454	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	1.29	96.0	Sn	07:50:07.090	-1.7	T__	---	15311455	FDSN	ZJ	--	BUD	iLoc	HHE	???	_		
(Station ML : 1.6 1																		
MORC	1.33	328.8	Pg	07:49:49.999	0.3	T__	---	15311456	FDSN	CZ	--	BUD	iLoc	BHZ	???	_		
MORC	1.33	328.8	Lg	07:50:08.276	0.1	T__	---	15311457	FDSN	CZ	--	BUD	iLoc	BHN	???	_		
HU02A	1.38	111.5	Pn	07:49:51.069	0.2	T__	32.6	---	MLv	15311458	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.38	111.5	Sn	07:50:11.129	-0.1	T__	---	15311459	FDSN	ZJ	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
2019/08/19	18:22:56.14	1.23	0.18	47.6435	20.3671	11.6	6.0	69	12.0A		5	3	242	0.02	0.08	m	ke	BUD	15311510	iLoc		316

Magnitude	Err	Nsta	Author	OrigID
ML	0.6	0.2	3 ILOC	15311510

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TENKA	0.02	310.0	Pg	18:22:58.504	-0.1					T__		167.6		---	MLv	15311512	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.02	310.0	Lg	18:23:00.509	0.1					T__				---		15311513	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 0.6 1																								
ATAN1	0.03	192.7	Pg	18:22:58.548	-0.1					T__		253.1		---	MLv	15311514	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN1	0.03	192.7	Lg	18:23:00.763	0.2					T__				---		15311515	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 0.8 1																								
HU23A	0.08	266.8	Pg	18:22:59.044	-0.1					T__		82.1		---	MLv	15311516	FDSN	ZJ	00	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
2019/08/19	20:32:30.51	4.17	0.02	47.6445	20.3825	14.4	7.5	69	13.7F	16.4	6	3	276	0.03	0.09	m	ke	BUD	15311489	iLoc		333

Magnitude	Err	Nsta	Author	OrigID
ML	0.7	0.2	3 ILOC	15311489

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TENKA	0.03	292.8	Pg	20:32:33.269	-0.0					T__		223.7		---	MLv	15311491	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.03	292.8	Lg	20:32:35.354	0.0					T__				---		15311492	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 0.7 1																								
ATAN1	0.04	208.9	Pg	20:32:33.328	-0.0					T__		504.9		---	MLv	15311493	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN1	0.04	208.9	Lg	20:32:35.457	0.0					T__				---		15311494	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.1 1																								
HU23A	0.09	266.5	Pg	20:32:33.869	0.0					T__		115.5		---	MLv	15311495	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.09	266.5	Lg	20:32:36.310	-0.0					T__				---		15311496	FDSN	ZJ	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
2019/08/20	20:05:57.21	1.10	0.16	47.6399	20.3593	9.6	5.9	69	12.0A		5	3	211	0.02	0.07	m	ke	BUD	15311530	iLoc		297

Magnitude Err Nsta Author OrigID
ML 1.0 0.0 3 ILOC 15311530

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TENKA	0.02	332.1	Pg	20:05:59.571	-0.1					T__		169.7		---	MLv	15311532	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.02	332.1	Lg	20:06:01.610	0.1					T__				---		15311533	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 0.6 1																								
ATAN1	0.03	183.2	Pg	20:05:59.606	-0.1					T__		401.2		---	MLv	15311534	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN1	0.03	183.2	Lg	20:06:01.746	0.2					T__				---		15311535	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.0 1																								
HU23A	0.07	269.3	Pg	20:06:00.059	-0.1					T__		303.8		---	MLv	15311536	FDSN	ZJ	00	BUD	iLoc	HHE	HHZ	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/08/20	23:13:03.18	1.68	0.11	47.6300	20.3806	17.4	8.0	98	12.0A		4	3	265	0.02	0.09	m	ke	BUD	15311550	iLoc			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
ATAN1	0.02	223.8	Pg	23:13:05.617	-0.0					T__		107.2		---	MLv	15311552	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.03	317.8	Pg	23:13:05.650	-0.0					T__		154.6		---	MLv	15311553	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.03	317.8	Lg	23:13:07.703	0.1					T__				---		15311554	FDSN	HU	--	BUD	iLoc	HHN	???	_
HU23A	0.09	275.9	Lg	23:13:08.626	0.0					T__				---		15311555	FDSN	ZJ	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	
2019/08/21	00:45:43.15	3.07	0.08	47.6364	20.3749	12.0	7.4	80	14.8F	12.2	7	4	253	0.03	0.43	m	ke	BUD	15311564	iLoc			317

Magnitude Err Nsta Author OrigID
ML 1.0 0.4 3 ILOC 15311564

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TENKA	0.03	314.6	Pg	00:45:46.146	0.0					T__		394.3		---	MLv	15311566	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.03	314.6	Lg	00:45:48.230	-0.1					T__				---		15311567	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.0 1																								
ATAN1	0.03	207.7	Pg	00:45:46.140	0.0					T__		974.2		---	MLv	15311568	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN1	0.03	207.7	Lg	00:45:48.253	-0.1					T__				---		15311569	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.4 1																								
HU23A	0.08	271.8	Pg	00:45:46.636	0.0					T__		137.0		---	MLv	15311570	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.08	271.8	Lg	00:45:49.136	0.0					T__				---		15311571	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 0.7 1																								
PSZ	0.43	311.2	Lg	00:45:59.499	-0.1					T__				---		15311572	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	
2019/08/21	02:19:05.84	4.18	0.02	47.6390	20.3740	12.4	7.2	74	13.9F	17.2	6	3	252	0.02	0.08	m	ke	BUD	15311586	iLoc			319

Magnitude Err Nsta Author OrigID

ML 0.9 0.4 3 ILOC 15311586

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TENKA	0.02	311.0	Pg	02:19:08.643	0.0					T__		364.2		---	MLv	15311588	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.02	311.0	Lg	02:19:10.723	-0.0					T__				---		15311589	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 0.9 1																								
ATAN1	0.03	204.0	Pg	02:19:08.669	-0.0					T__		633.1		---	MLv	15311590	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN1	0.03	204.0	Lg	02:19:10.777	-0.0					T__				---		15311591	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.2 1																								
HU23A	0.08	270.0	Pg	02:19:09.156	-0.0					T__		92.6		---	MLv	15311592	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.08	270.0	Lg	02:19:11.625	0.0					T__				---		15311593	FDSN	ZJ	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
2019/08/21	04:52:40.50	0.14	0.18	48.5144	17.6367	0.3	0.3	104	0.0F	1.8	23	75	0.09	1.27	a	ke	IPEC	15277442	ISC			360
2019/08/21	04:52:40.83	0.29	0.73	48.5108	17.6645	2.3	1.9	122	3.0F	0.0	16	4	1.22	1.33	a	ke	VIE	15277438	ISC			360
2019/08/21	04:52:39.62	0.71	1.09	48.4988	17.6153	3.1	2.5	140	5.0A		39	13	132	0.11	1.30	m	ke	BUD	15311661	iLoc		138

Magnitude	Err	Nsta	Author	OrigID
ML	1.4		IPEC	15277442
mb	1.6		VIE	15277438
ml	1.8		VIE	15277438
ML	2.0	0.1	5 ILOC	15311661

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A334A	0.11	20.5	Pg	04:52:42.182	-0.1					T__		3109.6		---	MLv	15311663	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.1 0																								
MODS	0.26	240.9	Pg	04:52:42.717	-2.4					T__				---		15311664	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.26	240.9	Lg	04:52:46.822	-2.7					T__				---		15311665	FDSN	SK	--	BUD	iLoc	HHN	???	_
JAVC	0.36	5.8	Pg	04:52:47.675	0.4					T__				---		15311666	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.36	5.8	Lg	04:52:52.947	-0.2					T__				---		15311667	FDSN	CZ	--	BUD	iLoc	BHN	???	_
JAVC	0.36	5.8	Pg	04:52:47.400	0.1					T__				---		15311668	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	0.36	5.8	Pg	04:52:47.400	0.1					T__				---		15311669	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	0.36	5.8	Lg	04:52:52.000	-1.1					T__		32.9	0.61	---		15311670	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	0.36	5.8	Lg	04:52:52.100	-1.1					T__				---		15311671	FDSN	IR	--	ISC	iLoc	???	???	_
ZST	0.46	228.7	Pg	04:52:49.904	1.0					T__				---		15311672	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.46	228.7	Lg	04:52:55.772	-0.1					T__				---		15311673	FDSN	SK	--	BUD	iLoc	HHN	???	_
A335A	0.48	95.9	Pg	04:52:49.734	0.3					T__		274.8		---	MLv	15311674	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A335A	0.48	95.9	Lg	04:52:56.592	-0.3					T__				---		15311675	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 2.1 1																								
A332A	0.64	61.2	Lg	04:53:01.508	0.1					T__				---		15311676	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A331A	0.76	31.3	Pn	04:52:55.417	-0.9					T__		123.7		---	MLv	15311677	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.0 1																								
VYHS	0.81	89.9	Pn	04:52:56.020	-0.9					T__		14.0		---	MLv	15311678	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.81	89.9	Lg	04:53:06.717	-1.0					T__				---		15311679	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.1 0																								
KRUC	0.98	305.4	Pn	04:52:59.600	0.3					T__				---		15311680	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.98	305.4	Pn	04:52:59.600	0.3					T__				---		15311681	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.98	305.4	Lg	04:53:12.300	-0.5					T__				---		15311682	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.98	305.4	Sg	04:53:12.400	-0.4					T__				---		15311683	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.98	305.4	Pn	04:52:59.836	0.5					T__				---		15311684	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	0.98	305.4	Lg	04:53:14.598	1.8					T__				---		15311685	FDSN	CZ	--	BUD	iLoc	BHN	???	_

VRAC	1.05	320.6	Pn	04:53:00.700	0.4	T__								15311686	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.05	320.6	Pn	04:53:00.800	0.4	T__								15311687	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.05	320.6	Lg	04:53:14.500	-0.3	T__				3.7	0.39			15311688	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.05	320.6	Lg	04:53:14.600	-0.3	T__								15311689	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.05	320.6	Pn	04:53:01.092	0.8	T__								15311690	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.05	320.6	Lg	04:53:15.903	1.1	T__								15311691	FDSN	CZ	--	BUD	iLoc	BHE	???	_
RONA	1.19	228.4	Pg	04:53:04.950	1.8	T__				3.0	0.34			15311692	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.19	228.4	Sn	04:53:21.015	1.8	T__				2.8	0.20			15311693	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	1.28	357.9	Pg	04:53:05.248	1.1	T__								15311694	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MORC	1.28	357.9	Lg	04:53:20.874	-1.2	T__								15311695	FDSN	CZ	--	BUD	iLoc	BHN	???	_
MORC	1.28	357.9	Pg	04:53:04.300	0.2	T__								15311696	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	1.28	357.9	Pb	04:53:04.400	0.3	T__								15311697	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	1.28	357.9	Sn	04:53:21.200	-1.0	T__				3.2	0.42			15311698	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	1.28	357.9	Sn	04:53:21.300	-1.0	T__								15311699	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.30	244.7	Pg	04:53:06.966	1.5	T__				34.1			MLv	15311700	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
CONA	1.30	244.7	Sn	04:53:23.987	1.8	T__								15311701	FDSN	OE	--	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
2019/08/21	08:31:43.55	1.44	1.87	47.1346	17.9816	7.8	4.7	88	0.0S		9	8	143	0.24	1.33	m	sx BUD	15311607	iLoc			163
(description : suspected quarry blast)																						
(locality : Szentgál Hungary)																						

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
TIH	0.24	195.3	Lg	08:31:53.107	-0.1					T__						15311609	FDSN	HU	--	BUD	iLoc	HHN	???	_
CSKK	0.30	39.6	Lg	08:31:55.251	-0.4					T__						15311610	FDSN	HU	--	BUD	iLoc	HHN	???	_
A268A	0.30	352.5	Lg	08:31:55.976	0.4					T__						15311611	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A267A	0.39	118.6	Lg	08:31:58.737	0.2					T__						15311612	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A272A	0.78	119.7	Lg	08:32:12.109	0.1					T__						15311613	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MORH	1.03	153.4	Lg	08:32:19.200	0.2					T__						15311614	FDSN	HU	--	BUD	iLoc	BHN	???	_
KOVH	1.05	175.5	Pn	08:32:04.790	0.5					T__		29.1		MLv	15311615	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
KOVH	1.05	175.5	Lg	08:32:19.803	-0.2					T__						15311616	FDSN	HU	--	BUD	iLoc	BHE	???	_
MODS	1.33	339.3	Sn	08:32:23.569	-4.5					T__						15311617	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
2019/08/21	10:33:36.91	0.94	0.68	48.4303	19.5633	6.9	3.1	0	0.0S		12	6	166	0.43	0.71	m	sx BUD	15311622	iLoc			201
(description : suspected quarry blast)																						
(locality : Tuhár Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.1	6 ILOC	15311622

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
A336A	0.43	242.6	Pg	10:33:46.233	0.6					T__		111.3			MLv	15311624	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A336A	0.43	242.6	Lg	10:33:52.341	-0.1					T__						15311625	FDSN	Z3	00	BUD	iLoc	HH3	???	_
(Station ML : 1.5 1																								
VYHS	0.49	277.8	Pg	10:33:46.937	-0.0					T__		125.1			MLv	15311626	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_

VYHS	0.49	277.8	Lg	10:33:53.514	-0.7	T__								15311627	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.8 1																						
PSZ	0.56	156.5	Pg	10:33:49.297	0.3	T__	45.1							15311628	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.56	156.5	Lg	10:33:57.531	-0.2	T__								15311629	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.5 1																						
KECS	0.62	84.7	Pg	10:33:49.849	0.6	T__	83.2							15311630	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.62	84.7	Lg	10:33:58.686	0.1	T__								15311631	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.8 0																						
JOS	0.65	83.9	Pg	10:33:50.239	0.3	T__	30.3							15311632	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.65	83.9	Lg	10:33:59.159	-0.6	T__								15311633	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 1.3 1																						
HU02A	0.71	115.3	Pg	10:33:52.096	0.4	T__	27.9							15311634	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.71	115.3	Lg	10:34:01.427	-1.5	T__								15311635	FDSN	ZJ	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
2019/08/21	13:39:41.14	0.79	0.84	47.4843	19.8246	3.7	3.2	128	7.2F	5.9	33	18	78	0.33	1.83	m	ke	BUD	15311728	iLoc		114

Magnitude	Err	Nsta	Author	OrigID
ML	2.2	0.1	16 ILOC	15311728

Sta	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	0.33	61.6	Pg	13:39:48.233	-0.1					T__		933.1			MLv	15311730	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.33	61.6	Lg	13:39:54.092	0.7					T__						15311731	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 2.2 1																								
BSZH	0.35	121.4	Pg	13:39:48.471	-0.5					T__		398.3			MLv	15311732	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BSZH	0.35	121.4	Lg	13:39:54.482	0.0					T__						15311733	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.9 1																								
ATAN1	0.38	70.1	Pg	13:39:49.549	0.1					T__		630.0			MLv	15311734	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN1	0.38	70.1	Lg	13:39:55.795	0.5					T__						15311735	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 2.2 1																								
TENKA	0.39	64.2	Pg	13:39:49.451	-0.1					T__		700.1			MLv	15311736	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.39	64.2	Lg	13:39:56.246	0.6					T__						15311737	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 2.2 1																								
PSZ	0.44	6.2	Pg	13:39:50.215	-0.4					T__		536.1			MLv	15311738	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.44	6.2	Lg	13:39:56.760	-0.8					T__						15311739	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 2.2 1																								
HU03A	0.45	340.2	Lg	13:39:58.345	1.1					T__						15311740	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
BUD	0.54	270.2	Lg	13:40:00.429	-0.6					T__						15311741	FDSN	HU	--	BUD	iLoc	BHN	???	_
HU04A	0.71	199.5	Pn	13:39:56.232	0.3					T__		499.3			MLv	15311742	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU04A	0.71	199.5	Lg	13:40:06.583	-0.2					T__						15311743	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 2.6 0																								
A271A	0.75	244.3	Pg	13:39:57.432	1.2					T__		462.9			MLv	15311744	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A271A	0.75	244.3	Sn	13:40:09.848	1.0					T__						15311745	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 2.6 1																								
HU02A	0.79	36.2	Pn	13:39:55.901	-1.4					T__		128.6			MLv	15311746	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.79	36.2	Lg	13:40:08.300	-1.0					T__						15311747	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 2.1 1																								
HU05A	0.89	85.2	Pn	13:39:58.951	0.5					T__		561.4			MLv	15311748	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU05A	0.89	85.2	Sn	13:40:11.555	-0.5					T__						15311749	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 2.7 0																								
A267A	1.06	240.0	Pn	13:40:01.614	0.8					T__		364.4			MLv	15311750	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_

A267A	1.06	240.0	Sn	13:40:16.738	0.5	T__								15311751	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 2.7 0																						
KECS	1.09	23.7	Pn	13:40:02.192	0.8	T__	116.1							15311752	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	1.09	23.7	Sn	13:40:17.601	0.4	T__								15311753	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 2.2 1																						
JOS	1.12	25.1	Pn	13:40:02.024	0.3	T__	55.0							15311754	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	1.12	25.1	Sn	13:40:17.587	-0.2	T__								15311755	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 1.9 0																						
VYHS	1.21	327.1	Pn	13:40:04.462	1.3	T__	16.9							15311756	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.21	327.1	Sn	13:40:21.318	0.8	T__								15311757	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.4 0																						
ABAH	1.25	49.0	Pn	13:40:03.972	0.5	T__	108.4							15311758	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	1.25	49.0	Lg	13:40:22.178	-1.5	T__								15311759	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 2.2 1																						
MORH	1.51	213.0	Pn	13:40:07.204	0.4	T__	15.9							15311760	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.51	213.0	Lg	13:40:30.180	-2.0	T__								15311761	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.5 0																						
KOVH	1.83	220.9	Pn	13:40:11.403	-0.1	T__	41.4							15311762	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/08/21 16:09:33.88 4.18 0.04 47.6369 20.3711 11.7 7.4 75 14.5F 17.5 6 3 243 0.02 0.08 m ke BUD 15311828 iLoc 313

Magnitude Err Nsta Author OrigID
 ML 0.9 0.0 3 ILOC 15311828

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TENKA	0.02	318.1	Pg	16:09:36.789	0.0					T__		353.4			MLv	15311830	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.02	318.1	Lg	16:09:38.889	-0.0					T__						15311831	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 0.9 1																								
ATAN1	0.03	202.0	Pg	16:09:36.793	-0.0					T__		730.4			MLv	15311832	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN1	0.03	202.0	Lg	16:09:38.967	0.0					T__						15311833	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.2 1																								
HU23A	0.08	271.5	Pg	16:09:37.252	-0.0					T__		242.0			MLv	15311834	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.08	271.5	Lg	16:09:39.782	0.0					T__						15311835	FDSN	ZJ	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
 2019/08/21 20:16:19.79 4.17 0.03 47.6369 20.3786 12.8 7.6 80 13.9F 16.9 6 3 261 0.03 0.09 m ke BUD 15311849 iLoc 321

Magnitude Err Nsta Author OrigID
 ML 0.9 0.2 3 ILOC 15311849

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TENKA	0.03	310.0	Pg	20:16:22.608	0.0					T__		322.3			MLv	15311851	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.03	310.0	Lg	20:16:24.696	-0.0					T__						15311852	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 0.9 1																								
ATAN1	0.03	211.8	Pg	20:16:22.608	-0.0					T__		772.3			MLv	15311853	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN1	0.03	211.8	Lg	20:16:24.761	0.0					T__						15311854	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.3 1																								

HU23A	0.09	271.4	Pg	20:16:23.153	0.0	T__	149.6	___	MLv	15311855	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.09	271.4	Lg	20:16:25.599	-0.0	T__		---		15311856	FDSN	ZJ	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
2019/08/23	08:31:17.69	0.29	0.52	46.9200	22.2905	2.8	1.7	6	6.0F	2.7	18	166	0.31	2.42	a	ke	BUC	15277490	ISC			360
2019/08/23	08:31:17.34	0.41	0.88	47.0022	22.2684				0.4F	2.4	16	159	0.37	1.87	a	kx	KRSZO	15277486	ISC			360
2019/08/23	08:31:16.30	0.83	0.72	46.9614	22.2943	5.7	3.6	14	0.0S		38	17	56	0.33	2.45	m	sx	BUD	15311870	iLoc		97

(description : suspected quarry blast)
(locality : Subpiatra Romania)

Magnitude	Err	Nsta	Author	OrigID
ml	1.7		BUC	15277490
M	2.0		KRSZO	15277486
MLv	2.0		KRSZO	15277486
ML	2.0	0.4	13 ILOC	15311870

Sta	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	120.5	Pg	08:31:23.489	0.3					T__		232.6		_c_	MLv	15311872	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.33	120.5	Lg	08:31:28.309	-0.5					T__				---		15311873	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.33	120.6	Lg	08:31:28.854	0.0					T__				---		15311875	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.33	120.6	Lg	08:31:28.854	0.0					T__		0.1		---		15311874	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.6 1																								
BORR	0.37	290.5	Pg	08:31:24.345	0.0					T__		0.3		---		15311876	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	0.37	290.5	Lg	08:31:31.065	0.2					T__		0.3		---		15311877	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.63	116.5	Pg	08:31:29.025	0.0					T__				---		15311878	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.63	116.5	Lg	08:31:37.745	-1.3					T__				---		15311879	FDSN	IR	--	ISC	iLoc	???	???	_
HU24A	0.78	266.6	Pg	08:31:32.595	-0.2					T__		297.8		___	MLv	15311880	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.4 1																								
SIRR	0.82	212.5	Lg	08:31:44.235	-1.1					T__				---		15311881	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.82	212.2	Pg	08:31:33.093	0.1					T__		34.3		___	MLv	15311882	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.82	212.2	Lg	08:31:45.052	-0.4					T__				---		15311883	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.5 0																								
CJR	0.93	105.0	Pg	08:31:34.610	0.1					T__		386.6		___	MLv	15311884	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
CJR	0.93	105.0	Pn	08:31:36.200	0.4					T__				---		15311885	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.93	105.0	Pn	08:31:36.200	0.4					T__		0.1		---		15311886	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.93	105.0	Lg	08:31:48.267	-0.4					T__				---		15311887	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 2.6 0																								
BMR	1.08	48.5	Pg	08:31:37.949	0.5					T__		184.9		___	MLv	15311888	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BMR	1.08	48.5	Lg	08:31:53.830	-0.0					T__				---		15311889	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 2.4 1																								
DEV	1.15	158.5	Pn	08:31:39.771	1.0					T__		162.2		___	MLv	15311890	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 2.4 1																								
TRPA	1.18	8.0	Pn	08:31:38.315	-0.7					T__		15.4		___	MLv	15311891	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 1.3 0																								
SURR	1.21	185.6	Pg	08:31:39.849	0.2					T__				---		15311892	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.21	185.6	Lg	08:31:56.612	-0.0					T__				---		15311893	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.42	198.9	Pn	08:31:42.583	0.2					T__		28.0		___	MLv	15311894	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	1.42	198.9	Lg	08:32:04.508	1.3					T__				---		15311895	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	1.42	199.5	Pn	08:31:42.956	0.5					T__				---		15311896	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.42	199.5	Pn	08:31:42.956	0.5					T__				---		15311897	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.42	199.5	Sn	08:32:01.991	-0.6					T__				---		15311898	FDSN	IR	--	ISC	iLoc	???	???	_

```

(Station ML : 1.7 1
GZR 1.60 167.8 Pg 08:31:46.634 -0.0 T__ 38.8 --- MLv 15311899 FDSN RO -- BUD iLoc BHZ BHZ _
GZR 1.60 167.8 Sn 08:32:07.999 0.5 T__ --- 15311900 FDSN IR -- ISC iLoc ??? ??? _
GZR 1.60 167.8 Lg 08:32:09.881 0.7 T__ --- 15311901 FDSN RO -- BUD iLoc BHN ??? _
(Station ML : 2.0 1
HU02A 1.67 314.7 Pn 08:31:45.078 -0.7 T__ 25.0 --- MLv 15311902 FDSN ZJ 00 BUD iLoc HHZ HHZ _
HU02A 1.67 314.7 Lg 08:32:11.142 -1.8 T__ --- 15311903 FDSN ZJ 00 BUD iLoc HHN ??? _
(Station ML : 1.8 1
LOT 1.83 145.4 Pn 08:31:50.049 1.2 T__ 89.2 --- MLv 15311904 FDSN RO -- BUD iLoc BHZ BHZ _
LOT 1.83 145.4 Lg 08:32:15.906 -1.5 T__ --- 15311905 FDSN RO -- BUD iLoc BHE ??? _
(Station ML : 2.5 0
PSZ 1.89 301.3 Pn 08:31:48.220 -0.8 T__ 31.6 --- MLv 15311906 FDSN GE -- BUD iLoc HHZ HHZ _
(Station ML : 2.1 1
JOS 1.94 323.0 Pn 08:31:49.303 -0.2 T__ 25.2 --- MLv 15311907 FDSN ZJ -- BUD iLoc HHZ HHZ _
(Station ML : 2.0 1
VOIR 2.45 127.5 Pn 08:31:58.164 0.6 T__ --- 15311908 FDSN IR -- ISC iLoc ??? ??? _
VOIR 2.45 127.5 Pn 08:31:58.164 0.6 T__ --- 15311909 FDSN IR -- ISC iLoc ??? ??? _

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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
2019/08/23	09:10:09.39	0.93	1.00	46.8728	17.2804	5.6	3.8	53	0.0S	16	13	113	0.12	1.43	m	kx	BUD	15311967	iLoc			144
2019/08/23	09:10:09.26f	0.91	46.8548	17.2699f					0.0S	16		117	0.13	1.44	a	kx	BUD_GT	15328417	BUD			147

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

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.2	3 BUD	15311967
ML	2.0	0.2	3 ILOC	15328417

Sta	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	09:10:12.199	-0.3					T__		14219.3		---	MLv	15330313	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A261A	0.13	319.5	Lg	09:10:15.980	0.8					T__				---		15330314	FDSN	Z3	00	BUD	BUD	HHN	???	_
(Station ML : 2.8 1																								
A263A	0.22	171.8	Lg	09:10:19.877	2.0					T__				---		15330315	FDSN	Z3	00	BUD	BUD	HHN	???	_
TIH	0.43	83.7	Lg	09:10:26.866	1.8					T__				---		15330316	FDSN	HU	--	BUD	BUD	HHE	???	_
EGYH	0.56	4.3	Lg	09:10:29.276	-0.4					T__				---		15330317	FDSN	HU	--	BUD	BUD	HHE	???	_
A268A	0.73	37.5	Lg	09:10:35.131	-0.8					T__				---		15330318	FDSN	Z3	00	BUD	BUD	HHE	???	_
A266A	0.76	115.3	Lg	09:10:36.166	0.2					T__				---		15330319	FDSN	Z3	00	BUD	BUD	HHN	???	_
CSKK	0.85	52.7	Lg	09:10:40.389	0.0					T__				---		15330320	FDSN	HU	--	BUD	BUD	HHN	???	_
KOVH	0.96	142.9	Pg	09:10:28.221	-0.4					T__		82.9		---	MLv	15330321	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.96	142.9	Lg	09:10:42.079	-0.1					T__				---		15330322	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 2.0 1																								
A269A	1.09	43.6	Sn	09:10:48.087	0.7					T__				---		15330323	FDSN	Z3	00	BUD	BUD	HHN	???	_
MORH	1.14	123.5	Sn	09:10:48.021	-0.1					T__				---		15330324	FDSN	HU	--	BUD	BUD	BHN	???	_
SRO	1.19	36.1	Lg	09:10:52.439	-0.1					T__				---		15330325	FDSN	SK	--	BUD	BUD	EHN	???	_
ARSA	1.26	289.0	Sn	09:10:50.765	0.1					T__				---		15330326	FDSN	OE	--	BUD	BUD	BHN	???	_
CONA	1.44	318.8	Pn	09:10:34.146	-1.9					T__		34.4		---	MLv	15330327	FDSN	OE	--	BUD	BUD	BHZ	BHZ	_
CONA	1.44	318.8	Lg	09:10:56.489	0.3					T__				---		15330328	FDSN	OE	--	BUD	BUD	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/08/23	09:25:53.55	2.89	0.47	48.2490	21.2505	18.8	6.0	132	0.0S	8	5	259	0.05	0.97	m	kx	BUD	15311998	iLoc			312
2019/08/23	09:25:53.57f		0.35	48.2470	21.2460f				0.0S	8		255	0.05	0.96	a	kx	BUD_GT	15328421	BUD			312

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

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.3	3 BUD	15311998
ML	2.0	0.3	3 ILOC	15328421

Sta	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	09:25:55.223	0.1					T__		6059.2		___	MLv	15330329	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
ABAH	0.05	355.1	Lg	09:25:56.238	-0.5					T__				___		15330330	FDSN	HU	--	BUD	BUD	HHE	???	_
(Station ML : 2.2 1																								
HU02A	0.50	255.8	Lg	09:26:11.985	-0.3					T__				___		15330331	FDSN	ZJ	00	BUD	BUD	HHZ	???	_
JOS	0.53	298.0	Pg	09:26:04.835	0.5					T__		39.5		___	MLv	15330332	FDSN	ZJ	--	BUD	BUD	HHZ	HHZ	_
JOS	0.53	298.0	Lg	09:26:12.412	-0.1					T__				___		15330333	FDSN	ZJ	--	BUD	BUD	HHN	???	_
(Station ML : 1.4 1																								
KECS	0.56	295.3	Pg	09:26:04.872	0.0					T__		150.4		___	MLv	15330334	FDSN	SK	--	BUD	BUD	EHE	EHZ	_
KECS	0.56	295.3	Lg	09:26:13.474	0.1					T__				___		15330335	FDSN	SK	--	BUD	BUD	EHE	???	_
(Station ML : 2.0 1																								
PSZ	0.96	250.6	Lg	09:26:27.713	-0.6					T__				___		15330336	FDSN	GE	--	BUD	BUD	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/08/23	19:33:14.09	4.16	0.06	47.6396	20.3905	14.7	8.0	81	13.5F	16.1	6	3	283	0.03	0.10	m	ke	BUD	15312021	iLoc			332

Magnitude	Err	Nsta	Author	OrigID
ML	0.7	0.2	3 ILOC	15312021

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TENKA	0.03	297.1	Pg	19:33:16.843	-0.0					T__		213.0		___	MLv	15312023	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.03	297.1	Lg	19:33:18.945	0.0					T__				___		15312024	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 0.7 1																								
ATAN2	0.04	220.6	Pg	19:33:16.868	-0.0					T__		292.3		___	MLv	15312025	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN2	0.04	220.6	Lg	19:33:19.016	0.0					T__				___		15312026	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 0.9 1																								
HU23A	0.10	269.7	Pg	19:33:17.499	0.0					T__		111.6		___	MLv	15312027	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.10	269.7	Lg	19:33:19.908	-0.1					T__				___		15312028	FDSN	ZJ	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	
2019/08/24	04:35:59.86	1.23	1.13	46.7943	21.2765	7.7	4.5	52	1.7F	6.7	34	15	73	0.14	1.94	m	ke	BUD	15312042	iLoc			94

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.2	7 ILOC	15312042

Sta	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	0.14	325.1	Pg	04:36:03.255	0.1					T__		1146.4		___	MLv	15312044	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_

HU24A	0.14	325.1	Lg	04:36:06.671	0.7	T__	---	15312045	FDSN	ZJ	00	BUD	iLoc	HHE	???	_	
(Station ML : 1.8 1																	
SIRR	0.59	153.2	Pg	04:36:12.001	0.2	T__	---	15312046	FDSN	IR	--	ISC	iLoc	???	???	_	
SIRR	0.59	153.2	Lg	04:36:20.196	-0.6	T__	---	15312047	FDSN	IR	--	ISC	iLoc	???	???	_	
SIRR	0.59	153.1	Pg	04:36:11.854	-0.1	T__	38.6	MLv	15312048	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.59	153.1	Lg	04:36:20.025	-0.9	T__	---	15312049	FDSN	RO	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.4 1																	
HU05A	0.76	352.9	Lg	04:36:26.911	-0.3	T__	---	15312050	FDSN	ZJ	00	BUD	iLoc	HHE	???	_	
BSZH	0.86	306.6	Lg	04:36:29.000	-1.4	T__	---	15312051	FDSN	IR	--	ISC	iLoc	???	???	_	
BSZH	0.86	306.6	Lg	04:36:29.236	-1.2	T__	---	15312052	FDSN	HU	--	BUD	iLoc	HHE	???	_	
DRGR	0.99	89.6	Pn	04:36:19.911	0.4	T__	81.9	MLv	15312053	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.99	89.6	Lg	04:36:33.735	-0.1	T__	---	15312054	FDSN	RO	--	BUD	iLoc	BHN	???	_	
DRGR	0.99	89.6	Sn	04:36:33.951	-1.1	T__	---	15312055	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 2.0 0																	
SURR	1.20	150.2	Pn	04:36:22.664	0.3	T__	---	15312056	FDSN	IR	--	ISC	iLoc	???	???	_	
SURR	1.20	150.2	Lg	04:36:38.747	-0.5	T__	---	15312057	FDSN	IR	--	ISC	iLoc	???	???	_	
MESR	1.20	72.1	Pg	04:36:23.484	0.3	T__	---	15312058	FDSN	IR	--	ISC	iLoc	???	???	_	
MESR	1.20	72.1	Lg	04:36:40.607	0.3	T__	---	15312059	FDSN	IR	--	ISC	iLoc	???	???	_	
BZS	1.20	168.5	Pn	04:36:22.659	0.2	T__	---	15312060	FDSN	IR	--	ISC	iLoc	???	???	_	
BZS	1.20	168.5	Sn	04:36:39.261	-0.5	T__	---	15312061	FDSN	IR	--	ISC	iLoc	???	???	_	
BZS	1.20	167.7	Pn	04:36:22.473	0.0	T__	28.7	MLv	15312062	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	1.20	167.7	Sn	04:36:38.192	-1.6	T__	---	15312063	FDSN	RO	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.6 1																	
MARR	1.27	94.7	Pg	04:36:24.675	-0.2	T__	---	15312064	FDSN	IR	--	ISC	iLoc	???	???	_	
MARR	1.27	94.7	Lg	04:36:42.588	-0.3	T__	---	15312065	FDSN	IR	--	ISC	iLoc	???	???	_	
HU02A	1.42	339.3	Sn	04:36:45.473	0.4	T__	---	15312066	FDSN	ZJ	00	BUD	iLoc	HHN	???	_	
PSZ	1.47	320.6	Pn	04:36:26.593	0.4	T__	31.4	MLv	15312067	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	1.47	320.6	Sn	04:36:48.268	2.0	T__	---	15312068	FDSN	GE	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.8 1																	
ABAH	1.50	359.1	Sn	04:36:48.182	1.4	T__	---	15312069	FDSN	HU	--	BUD	iLoc	HHN	???	_	
ABAH	1.50	359.1	Lg	04:36:48.700	-1.8	T__	---	15312070	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	1.75	142.8	Pn	04:36:30.526	0.1	T__	---	15312071	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	1.75	142.8	Pn	04:36:31.614	1.2	T__	29.7	MLv	15312072	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.75	142.8	Lg	04:36:55.538	-1.1	T__	---	15312073	FDSN	RO	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.9 1																	
MORH	1.91	253.3	Pn	04:36:33.760	1.9	T__	6.6	MLv	15312074	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.91	253.3	Sn	04:36:59.554	3.2	T__	---	15312075	FDSN	HU	--	BUD	iLoc	BHN	???	_	
MORH	1.91	253.3	Pn	04:36:32.614	0.7	T__	---	15312076	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.4 0																	
FRGS	1.94	211.7	Sn	04:36:59.728	1.6	T__	---	15312077	FDSN	SJ	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/08/24	08:55:54.41	1.01	1.00	48.0235	19.6276	5.5	4.4	152	0.0S	9	5	123	0.12	0.77	m	kx	BUD	15312107	iLoc			222
2019/08/24	08:55:54.61f		0.61	48.0061	19.6278f				0.0S	9		122	0.10	0.78	a	kx	BUD_GT	15328425	BUD			220

(GT info : GT2 explosion)

(description : known quarry blast)

(locality : Nagylóc Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.0	5 BUD	15312107
ML	1.5	0.0	5 ILOC	15328425

Sta	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	190.5	Pg	08:55:57.826	0.6					T__		797.5		---	MLv	15330337	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_			
HU03A	0.10	190.5	Lg	08:55:59.412	0.0					T__				---		15330338	FDSN	ZJ	00	BUD	BUD	HHZ	???	_			
				(Station ML : 1.5 0																							
PSZ	0.20	116.0	Pg	08:55:59.719	0.3					T__		421.6		---	MLv	15330339	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_			
PSZ	0.20	116.0	Lg	08:56:02.079	-1.2					T__				---		15330340	FDSN	GE	--	BUD	BUD	BHN	???	_			
				(Station ML : 1.5 1																							
HU02A	0.61	78.7	Pg	08:56:07.482	-0.0					T__		44.3		---	MLv	15330341	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_			
HU02A	0.61	78.7	Lg	08:56:17.946	0.7					T__				---		15330342	FDSN	ZJ	00	BUD	BUD	HHN	???	_			
				(Station ML : 1.5 1																							
VVHS	0.72	313.0	Pg	08:56:09.309	0.0					T__		24.4		---	MLv	15330343	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_			
VVHS	0.72	313.0	Lg	08:56:18.949	-1.0					T__				---		15330344	FDSN	SK	--	BUD	BUD	HHN	???	_			
				(Station ML : 1.3 1																							
JOS	0.78	50.8	Pg	08:56:10.419	0.2					T__		20.1		---	MLv	15330345	FDSN	ZJ	--	BUD	BUD	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
2019/08/25	02:34:32.60	4.17	0.05	47.6392	20.3845	13.9	7.6	79	13.5F	16.5	6	3	274	0.03	0.09	m	ke BUD	15312139	iLoc			328

Magnitude	Err	Nsta	Author	OrigID
ML	0.5	0.1	3 ILOC	15312139

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L			
TENKA	0.03	301.6	Pg	02:34:35.349	-0.0					T__		125.8		---	MLv	15312141	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_			
TENKA	0.03	301.6	Lg	02:34:37.422	0.0					T__				---		15312142	FDSN	HU	--	BUD	iLoc	HHE	???	_			
				(Station ML : 0.5 1																							
ATAN2	0.03	215.7	Pg	02:34:35.368	-0.0					T__		243.5		---	MLv	15312143	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_			
ATAN2	0.03	215.7	Lg	02:34:37.516	0.0					T__				---		15312144	FDSN	HU	--	BUD	iLoc	HHN	???	_			
				(Station ML : 0.8 1																							
HU23A	0.09	269.9	Pg	02:34:35.960	0.0					T__		97.9		---	MLv	15312145	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_			
HU23A	0.09	269.9	Lg	02:34:38.355	-0.1					T__				---		15312146	FDSN	ZJ	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	
2019/08/26	08:17:18.52	1.53	0.82	47.3470	18.3785	9.5	7.2	124	0.0S		9	7	109	0.08	1.64	m	sx BUD	15312160	iLoc				134

(description : suspected quarry blast)
(locality : Gánt Hungary)

Magnitude	Err	Nsta	Author	OrigID

Sta	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	281.5	Pg	08:17:21.154	0.3					T__		635.9		---	MLv	15312162	FDSN	HU	--	BUD	iLoc	HHN	HHZ	_
CSKK	0.08	281.5	Lg	08:17:22.661	-0.5					T__				---		15312163	FDSN	HU	--	BUD	iLoc	HHN	???	_
A269A	0.29	0.5	Lg	08:17:29.857	-0.4					T__				---		15312164	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A268A	0.32	285.4	Lg	08:17:30.858	-0.3					T__				---		15312165	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MORH	1.15	170.7	Sn	08:17:57.154	-0.8					T__				---		15312166	FDSN	HU	--	BUD	iLoc	BHN	???	_
PSZ	1.17	60.3	Pn	08:17:41.690	0.4					T__		44.6		---	MLv	15312167	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	1.17	60.3	Sn	08:17:58.359	-1.1					T__				---		15312168	FDSN	GE	--	BUD	iLoc	BHE	???	_
KOVH	1.27	188.8	Lg	08:18:01.874	-0.6					T__				---		15312169	FDSN	HU	--	BUD	iLoc	BHE	???	_

HU02A 1.64 61.1 Sn 08:18:11.581 1.0 T__ --- 15312170 FDSN ZJ 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
 2019/08/26 09:14:43.44 1.84 0.90 48.5736 20.7904 15.3 4.0 6 0.0S 12 7 202 0.19 1.30 m sx BUD 15312179 iLoc 225
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.4 0.2 6 ILOC 15312179

Sta	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	245.2	Pg	09:14:47.560	0.2				T__			294.3		---	MLv	15312181	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_		
JOS	0.19	245.2	Lg	09:14:51.473	1.0				T__					---		15312182	FDSN	ZJ	--	BUD	iLoc	HHE	???	_		
(Station ML : 1.3 1																										
KECS	0.22	246.1	Pg	09:14:48.071	-0.0				T__			452.3		---	MLv	15312183	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_		
KECS	0.22	246.1	Lg	09:14:50.531	-1.2				T__					---		15312184	FDSN	SK	--	BUD	iLoc	EHN	???	_		
(Station ML : 1.6 1																										
ABAH	0.41	132.7	Pg	09:14:52.087	0.3				T__			70.9		---	MLv	15312185	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
ABAH	0.41	132.7	Lg	09:14:58.313	-0.6				T__					---		15312186	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Station ML : 1.3 1																										
HU02A	0.49	201.5	Pg	09:14:53.959	0.3				T__			31.6		---	MLv	15312187	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_		
(Station ML : 1.1 0																										
PSZ	0.89	222.7	Pn	09:15:01.426	-0.8				T__			40.1		---	MLv	15312188	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	0.89	222.7	Lg	09:15:15.284	-0.2				T__					---		15312189	FDSN	GE	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.6 1																										
TRPA	1.25	110.2	Sn	09:15:24.723	-1.3				T__					---		15312190	FDSN	HU	--	BUD	iLoc	BHN	???	_		
VYHS	1.30	267.2	Pn	09:15:08.656	0.6				T__			395.4		---	MLv	15312191	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_		
VYHS	1.30	267.2	Sn	09:15:26.280	-1.2				T__					---		15312192	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
 2019/08/26 21:55:51.23 1.48 0.60 47.6423 20.3408 9.4 4.0 8 8.8F 7.0 10 5 118 0.01 0.89 m ke BUD 15312218 iLoc 224

Magnitude Err Nsta Author OrigID
 ML 1.0 0.3 5 ILOC 15312218

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
TENKA	0.01	22.2	Pg	21:55:52.888	-0.2				T__			446.6		---	MLv	15312220	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
TENKA	0.01	22.2	Lg	21:55:54.969	0.4				T__					---		15312221	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Station ML : 1.0 1																										
ATAN2	0.03	161.0	Pg	21:55:52.927	-0.3				T__			1075.9		---	MLv	15312222	FDSN	HU	--	BUD	iLoc	HHE	HHZ	_		
ATAN2	0.03	161.0	Lg	21:55:55.054	0.3				T__					---		15312223	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Station ML : 1.4 0																										
HU23A	0.06	266.9	Pg	21:55:53.394	-0.1				T__			144.6		---	MLv	15312224	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_		
HU23A	0.06	266.9	Lg	21:55:55.898	0.5				T__					---		15312225	FDSN	ZJ	00	BUD	iLoc	HHN	???	_		
(Station ML : 0.6 0																										
PSZ	0.41	312.7	Pg	21:56:00.440	0.2				T__			23.7		---	MLv	15312226	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_		
PSZ	0.41	312.7	Lg	21:56:05.592	-1.2				T__					---		15312227	FDSN	GE	--	BUD	iLoc	HHZ	???	_		
(Station ML : 0.8 1																										

ABAH	0.89	42.4	Pg	21:56:09.086	0.2	T__	24.8	___	MLv	15312228	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.89	42.4	Lg	21:56:21.969	0.2	T__		___		15312229	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
2019/08/27	06:37:42.06	4.17	0.04	47.6417	20.3771	13.2	7.2	72	13.8F	16.8	6	3	263	0.02	0.09	m	ke	BUD	15312251	iLoc		325

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.0	3 ILOC	15312251

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TENKA	0.02	302.8	Pg	06:37:44.825	-0.0					T__		819.2		___	MLv	15312253	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.02	302.8	Lg	06:37:46.907	0.0					T__				___		15312254	FDSN	HU	--	BUD	iLoc	HNN	???	_
				(Station ML	:	1.3	1																	
ATAN2	0.03	206.0	Pg	06:37:44.869	-0.0					T__		568.3		___	MLv	15312255	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN2	0.03	206.0	Lg	06:37:47.021	0.0					T__				___		15312256	FDSN	HU	--	BUD	iLoc	HNN	???	_
				(Station ML	:	1.1	1																	
HU23A	0.09	268.3	Pg	06:37:45.388	0.0					T__		530.8		___	MLv	15312257	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.09	268.3	Lg	06:37:47.784	-0.0					T__				___		15312258	FDSN	ZJ	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	
2019/08/27	08:09:38.18	0.93	0.84	47.8972	19.8579	8.3	3.7	3	0.0S		11	6	138	0.03	0.91	m	sx	BUD	15312272	iLoc			209
(description : suspected quarry blast)																							
(locality : Gyöngyöstarján Hungary)																							

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.1	5 ILOC	15312272

Sta	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	0.03	49.1	Pg	08:09:40.405	0.8					T__		3162.5		___	MLv	15312274	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.03	49.1	Lg	08:09:41.635	0.5					T__				___		15312275	FDSN	GE	--	BUD	iLoc	BHN	???	_
				(Station ML	:	1.9	0																	
HU03A	0.17	272.3	Pg	08:09:41.917	-0.3					T__		909.2		___	MLv	15312276	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.17	272.3	Lg	08:09:46.214	0.8					T__				___		15312277	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
				(Station ML	:	1.7	1																	
HU23A	0.37	134.2	Lg	08:09:51.613	-0.8					T__				___		15312278	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
HU02A	0.50	63.1	Pg	08:09:48.072	-0.8					T__		128.1		___	MLv	15312279	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.50	63.1	Lg	08:09:57.702	0.6					T__				___		15312280	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
				(Station ML	:	1.8	1																	
JOS	0.75	37.0	Pn	08:09:54.738	-0.1					T__		92.7		___	MLv	15312281	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.75	37.0	Sn	08:10:06.773	-1.4					T__				___		15312282	FDSN	ZJ	--	BUD	iLoc	HNN	???	_
				(Station ML	:	1.9	1																	
VYHS	0.91	311.5	Pn	08:09:57.373	0.1					T__		18.9		___	MLv	15312283	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.91	311.5	Lg	08:10:09.382	-0.5					T__				___		15312284	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	
2019/08/27	09:13:08.13	1.39	1.11	48.5754	20.8171	9.5	5.7	14	0.0S		17	11	74	0.20	1.32	m	sx	BUD	15312306	iLoc			125

(description : suspected quarry blast)
(locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
ML 1.7 0.2 7 ILOC 15312306

Sta	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	246.8	Pg	09:13:12.580	0.2					T__		436.2		---	MLv	15312308	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.20	246.8	Lg	09:13:16.314	0.6					T__				---		15312309	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 1.5 1																								
KECS	0.24	247.4	Pg	09:13:13.105	0.0					T__		1250.8		---	MLv	15312310	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.24	247.4	Lg	09:13:17.162	0.2					T__				---		15312311	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 2.1 0																								
ABAH	0.40	134.7	Lg	09:13:23.352	0.1					T__				---		15312312	FDSN	HU	--	BUD	iLoc	HHE	???	_
HU02A	0.49	203.4	Pg	09:13:18.446	-0.1					T__		48.8		---	MLv	15312313	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.49	203.4	Lg	09:13:26.247	-0.3					T__				---		15312314	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.4 0																								
STHS	0.89	18.3	Pn	09:13:26.219	-0.8					T__		71.5		---	MLv	15312315	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
STHS	0.89	18.3	Sn	09:13:39.514	-2.9					T__				---		15312316	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.8 1																								
PSZ	0.90	223.5	Pg	09:13:27.197	0.1					T__		49.6		---	MLv	15312317	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.90	223.5	Lg	09:13:40.015	-0.6					T__				---		15312318	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.7 1																								
KOLS	1.03	69.1	Sn	09:13:46.222	0.3					T__				---		15312319	FDSN	SK	--	BUD	iLoc	HHN	???	_
HOLU	1.04	92.1	Pn	09:13:29.667	0.7					T__				---		15312320	FDSN	UA	--	BUD	iLoc	MHZ	???	_
LANS	1.06	303.4	Pn	09:13:28.894	-0.6					T__		37.4		---	MLv	15312321	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 1.7 1																								
STZU	1.27	69.0	Pn	09:13:34.609	2.2					T__				---		15312322	FDSN	UA	--	BUD	iLoc	MHZ	???	_
VYHS	1.32	267.2	Pg	09:13:33.754	-0.9					T__		17.3		---	MLv	15312323	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.32	267.2	Sn	09:13:51.767	-0.9					T__				---		15312324	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
2019/08/27 11:36:26.87 1.44 0.52 48.5812 20.8710 8.2 5.4 48 0.0S 11 7 197 0.24 1.36 m sx BUD 15312354 iLoc 264
(description : suspected quarry blast)
(locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
ML 1.6 0.4 5 ILOC 15312354

Sta	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	249.0	Pg	11:36:32.121	0.3					T__		246.4		---	MLv	15312356	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.24	249.0	Lg	11:36:35.764	0.1					T__				---		15312357	FDSN	ZJ	--	BUD	iLoc	HHN	???	_
(Station ML : 1.4 1																								
KECS	0.27	249.2	Pg	11:36:32.670	0.1					T__		978.3		---	MLv	15312358	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.27	249.2	Lg	11:36:36.983	0.1					T__				---		15312359	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 2.1 1																								
ABAH	0.38	139.2	Lg	11:36:40.950	-0.3					T__				---		15312360	FDSN	HU	--	BUD	iLoc	HHE	???	_
HU02A	0.51	206.8	Pg	11:36:38.219	0.5					T__		30.0		---	MLv	15312361	FDSN	ZJ	00	BUD	iLoc	HHN	HHZ	_
HU02A	0.51	206.8	Lg	11:36:45.089	-0.9					T__				---		15312362	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 1.2 0																								
PSZ	0.93	224.9	Lg	11:36:59.481	-0.9					T__				---		15312363	FDSN	GE	--	BUD	iLoc	BHN	???	_

LANS	1.09	302.1	Pg	11:36:48.413	0.1	T__	30.7	---	MLv	15312364	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
LANS	1.09	302.1	Lg	11:37:03.263	-0.3	T__		---		15312365	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 1.6 1																		
VYHS	1.36	267.1	Pg	11:36:53.909	-0.2	T__	418.6	---	MLv	15312366	FDSN	SK	--	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
2019/08/27	13:49:22.36	4.17	0.05	47.6420	20.3737	12.7	6.8	70	13.4F	17.0	6	3	256	0.02	0.08	m	ke	BUD	15312388	iLoc		322

Magnitude	Err	Nsta	Author	OrigID
ML	1.1	0.0	3 ILOC	15312388

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
TENKA	0.02	305.4	Pg	13:49:25.064	-0.0					T__		537.4		---	MLv	15312390	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.02	305.4	Lg	13:49:27.108	0.0					T__				---		15312391	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.1 1																								
ATAN2	0.03	202.1	Pg	13:49:25.109	-0.0					T__		1267.6		---	MLv	15312392	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN2	0.03	202.1	Lg	13:49:27.245	0.0					T__				---		15312393	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.5 1																								
HU23A	0.08	268.0	Pg	13:49:25.622	0.0					T__		360.9		---	MLv	15312394	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.08	268.0	Lg	13:49:27.950	-0.1					T__				---		15312395	FDSN	ZJ	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	
2019/08/27	15:47:47.81	1.02	0.15	47.6366	20.3301	13.0	8.1	43	12.0A		5	3	128	0.02	0.05	m	ke	BUD	15312409	iLoc			250

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
TENKA	0.02	34.4	Pg	15:47:50.189	-0.1					T__		322.9		---	MLv	15312411	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.02	34.4	Lg	15:47:52.250	0.1					T__				---		15312412	FDSN	HU	--	BUD	iLoc	HHN	???	_
ATAN2	0.03	144.1	Pg	15:47:50.233	-0.1					T__		609.8		---	MLv	15312413	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN2	0.03	144.1	Lg	15:47:52.359	0.1					T__				---		15312414	FDSN	HU	--	BUD	iLoc	HHE	???	_
HU23A	0.05	272.5	Lg	15:47:52.651	0.1					T__				---		15312415	FDSN	ZJ	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	
2019/08/28	08:57:36.41	0.94	0.70	48.3411	19.8370	5.6	3.5	169	0.0S		12	8	148	0.42	1.01	m	sx	BUD	15312424	iLoc			154

(description : suspected quarry blast)
 (locality : Velke-Dravce Slovakia)

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.2	4 ILOC	15312424

Sta	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	174.8	Pg	08:57:46.133	0.4					T__		222.1		---	MLv	15312426	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.42	174.8	Lg	08:57:52.811	0.1					T__				---		15312427	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.8 1																								
KECS	0.45	71.5	Pg	08:57:46.184	0.5					T__		271.9		---	MLv	15312428	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_

KECS	0.45	71.5	Lg	08:57:52.912	0.3	T__	---	15312429	FDSN	SK	--	BUD	iLoc	EHN	???	_		
(Station ML : 2.0 1																		
JOS	0.49	71.4	Pg	08:57:46.502	0.2	T__	111.3	---	MLv	15312430	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.49	71.4	Lg	08:57:53.347	-0.5	T__	---	---	---	15312431	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 1.7 1																		
HU02A	0.51	115.2	Pg	08:57:47.155	-0.0	T__	71.7	---	MLv	15312432	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.51	115.2	Lg	08:57:53.969	-1.5	T__	---	---	---	15312433	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.6 1																		
A336A	0.57	259.4	Lg	08:57:57.116	0.2	T__	---	---	---	15312434	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VVHS	0.68	283.3	Lg	08:58:00.192	-0.2	T__	---	---	---	15312435	FDSN	SK	--	BUD	iLoc	HHN	???	_
ABAH	0.94	92.2	Lg	08:58:09.832	0.3	T__	---	---	---	15312436	FDSN	HU	--	BUD	iLoc	HHE	???	_
A335A	1.01	276.6	Lg	08:58:10.903	-1.1	T__	---	---	---	15312437	FDSN	Z3	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
2019/08/28	09:49:36.17	1.39	0.83	47.2407	18.3107	16.0	6.9	69	0.0S		5	4	138	0.13	1.74	m	kx	BUD	15312455	iLoc		247
2019/08/28	09:49:36.11f		0.48	47.2302	18.2835f				0.0S		5		143	0.13	1.76	a	kx	BUD_GT	15328441	BUD		250
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Iszkaszentgyörgy Hungary)																						

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	353.4	Pg	09:49:39.707	0.3					T__		35.7		---	MLv	15330346	FDSN	HU	--	BUD	BUD	HHE	HHZ	_
CSKK	0.13	353.4	Lg	09:49:41.569	-1.0					T__				---	---	15330347	FDSN	HU	--	BUD	BUD	HHN	???	_
HU08A	0.32	309.6	Lg	09:49:48.801	0.1					T__				---	---	15330348	FDSN	ZJ	00	BUD	BUD	HHE	???	_
MORH	1.04	166.1	Lg	09:50:11.860	-0.3					T__				---	---	15330349	FDSN	HU	--	BUD	BUD	HHE	???	_
HU02A	1.76	58.7	Sn	09:50:30.960	0.1					T__				---	---	15330350	FDSN	ZJ	00	BUD	BUD	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/08/28	10:03:19.79	1.02	0.19	47.8493	19.1613	6.5	3.4	179	0.0S		8	5	185	0.10	0.68	m	kx	BUD	15312466	iLoc		259
2019/08/28	10:03:19.68f		0.57	47.8355	19.1270f				0.0S		8		197	0.07	0.69	a	kx	BUD_GT	15328445	BUD		263
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Sejce-Vác Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.2	3 BUD	15312466
ML	1.4	0.3	3 ILOC	15328445

Sta	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	0.07	277.6	Pg	10:03:22.372	0.7					T__		2503.8		---	MLv	15330351	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU10A	0.07	277.6	Lg	10:03:24.138	0.6					T__				---	---	15330352	FDSN	ZJ	00	BUD	BUD	HHE	???	_
(Station ML : 1.9 1																								
HU03A	0.33	77.7	Lg	10:03:31.106	-1.0					T__				---	---	15330353	FDSN	ZJ	00	BUD	BUD	HHE	???	_
A336A	0.41	347.9	Lg	10:03:34.512	-0.2					T__				---	---	15330354	FDSN	Z3	00	BUD	BUD	HH3	???	_
PSZ	0.52	80.6	Pg	10:03:30.799	-0.3					T__		48.9		---	MLv	15330355	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.52	80.6	Lg	10:03:38.682	-0.8					T__				---	---	15330356	FDSN	GE	--	BUD	BUD	BHN	???	_

(Station ML : 1.4 1

VYHS	0.69	343.6	Pg	10:03:33.761	0.0	T__	24.3	---	MLv	15330357	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
VYHS	0.69	343.6	Lg	10:03:43.803	-0.1	T__		---		15330358	FDSN	SK	--	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/08/29	06:56:02.45	0.14	0.33	46.0376	22.8624	1.2	1.0	88	6.8F	1.6	21	102	0.15	1.49	a	ke	BUC	15277561	ISC			360
2019/08/29	06:56:01.53	1.07	1.88	46.0487	22.8038	5.7	3.2	52	0.0A		15	91	0.18	2.73	a	kx	KRSZO	15277564	ISC			360
2019/08/29	06:56:01.92	0.81	0.56	46.0593	22.8350	3.9	2.8	77	0.0S		41	13	79	0.18	1.50	m	sx	BUD	15312501	iLoc		100

(description : suspected quarry blast)
(locality : Baita Romania)

Magnitude	Err	Nsta	Author	OrigID
ml	1.5		BUC	15277561
ML	1.6		KRSZO	15277564
ML	1.6	0.0	6 ILOC	15312501

Sta	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	165.7	Pg	06:56:04.970	-0.3					T__		945.4		---	MLv	15312503	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DEV	0.18	165.7	Lg	06:56:08.284	0.5					T__				---		15312504	FDSN	RO	--	BUD	iLoc	BHN	???	_
DEV	0.18	164.8	Pg	06:56:05.405	0.0					T__				---		15312505	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.18	164.8	Pg	06:56:05.405	0.0					T__		0.7		---		15312506	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.18	164.8	Lg	06:56:08.429	0.5					T__		0.7		---		15312507	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.18	164.8	Lg	06:56:08.429	0.5					T__				---		15312508	FDSN	IR	--	ISC	iLoc	???	???	_

(Station ML : 1.8 0

SURR	0.58	238.6	Pg	06:56:13.687	0.5					T__				---		15312509	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.58	238.6	Lg	06:56:21.095	-0.3					T__				---		15312510	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.65	17.6	Pg	06:56:15.254	0.3					T__				---		15312511	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.65	17.6	Pg	06:56:15.254	0.3					T__				---		15312512	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.65	17.6	Lg	06:56:24.242	-1.2					T__				---		15312513	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.67	183.5	Pg	06:56:14.558	-0.2					T__		57.7		---	MLv	15312514	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	0.67	183.5	Pg	06:56:14.900	0.2					T__		0.1		---		15312515	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.67	183.5	Lg	06:56:23.596	-0.6					T__				---		15312516	FDSN	RO	--	BUD	iLoc	BHE	???	_
GZR	0.67	183.5	Lg	06:56:24.082	-0.1					T__		0.1		---		15312517	FDSN	IR	--	ISC	iLoc	???	???	_

(Station ML : 1.6 1

DRGR	0.74	353.4	Pg	06:56:17.425	0.6					T__				---		15312518	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.74	353.4	Pg	06:56:17.425	0.6					T__				---		15312519	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.74	353.4	Lg	06:56:27.844	-0.9					T__				---		15312520	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.74	353.4	Pg	06:56:17.219	0.4					T__		42.6		---	MLv	15312521	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.74	353.4	Lg	06:56:27.464	-1.3					T__				---		15312522	FDSN	RO	--	BUD	iLoc	BHN	???	_

(Station ML : 1.5 1

SIRR	0.84	284.6	Pg	06:56:18.627	-0.4					T__		48.4		---	MLv	15312523	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.84	284.6	Lg	06:56:30.926	-0.4					T__				---		15312524	FDSN	RO	--	BUD	iLoc	BHN	???	_

(Station ML : 1.7 1

CJR	0.84	38.6	Sn	06:56:35.497	0.7					T__				---		15312525	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	0.84	284.7	Pg	06:56:19.218	0.1					T__		0.1		---		15312526	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.84	284.7	Lg	06:56:31.778	0.4					T__		0.1		---		15312527	FDSN	IR	--	ISC	iLoc	???	???	_

(Station ML : 1.7 1

LOT	0.90	132.7	Lg	06:56:31.503	-0.7					T__				---		15312528	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.90	132.8	Pg	06:56:19.177	0.0					T__		45.6		---	MLv	15312529	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
LOT	0.90	132.8	Lg	06:56:32.734	0.4					T__				---		15312530	FDSN	RO	--	BUD	iLoc	BHE	???	_

(Station ML : 1.7 1

BZS	0.94	242.6	Pg	06:56:20.081	-0.2	T__	22.2	---	MLv	15312531	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.94	242.6	Lg	06:56:33.236	-0.4	T__		---		15312532	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	0.96	243.0	Lg	06:56:34.262	0.1	T__		---		15312533	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.96	243.0	Lg	06:56:34.262	0.1	T__		---		15312534	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.4 0)																		
HERR	1.21	194.2	Pn	06:56:25.259	-0.3	T__		---		15312535	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.21	194.2	Pn	06:56:25.259	-0.3	T__		---		15312536	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.21	194.2	Sn	06:56:42.266	-1.0	T__		---		15312537	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	1.44	118.1	Pn	06:56:28.882	-0.3	T__		---		15312538	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	1.44	118.1	Pn	06:56:28.882	-0.3	T__		---		15312539	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	1.44	118.1	Sn	06:56:48.549	-1.4	T__		---		15312540	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.50	212.1	Pn	06:56:30.158	0.5	T__		---		15312541	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.50	212.1	Pn	06:56:30.158	0.5	T__		---		15312542	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.50	212.1	Sn	06:56:50.105	-0.4	T__		---		15312543	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/08/29	07:47:53.51	2.92	0.89	47.3639	18.3498	22.4	7.1	135	0.0S	6	5	108	0.06	1.18	m	sx	BUD	15312489	iLoc			207
(description : suspected quarry blast)																						
(locality : Gánt Hungary)																						

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	269.4	Pg	07:47:55.556	0.2					T__		393.3		---	MLv	15312491	FDSN	HU	--	BUD	iLoc	HHN	HHZ	_
CSKK	0.06	269.4	Lg	07:47:57.112	-0.3					T__				---		15312492	FDSN	HU	--	BUD	iLoc	HHN	???	_
HU09A	0.28	4.6	Lg	07:48:04.591	-0.1					T__				---		15312493	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
MORH	1.17	169.9	Sn	07:48:32.158	-1.2					T__				---		15312494	FDSN	HU	--	BUD	iLoc	BHN	???	_
VYHS	1.18	16.0	Sn	07:48:34.619	0.1					T__				---		15312495	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	1.18	61.5	Sn	07:48:33.815	-0.9					T__				---		15312496	FDSN	GE	--	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
2019/08/29	08:22:25.09	1.14	0.57	46.0728	18.1332	8.4	4.1	175	0.0S	6	4	166	0.03	0.46	m	kx	BUD	15312575	iLoc			235
2019/08/29	08:22:24.30f		0.87	46.1254	18.0152f				0.0S	6		169	0.07	0.45	a	kx	BUD_GT	15328453	BUD			261
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Bükkösd-II Hungary)																						

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	0.07	122.2	Pg	08:22:26.606	0.2					T__		1531.6		---	MLv	15330359	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.07	122.2	Lg	08:22:27.711	-0.6					T__				---		15330360	FDSN	HU	--	BUD	BUD	BHN	???	_
A273A	0.25	213.6	Lg	08:22:34.704	0.9					T__				---		15330361	FDSN	Z3	00	BUD	BUD	HHN	???	_
A266A	0.44	23.3	Lg	08:22:41.513	0.9					T__				---		15330364	FDSN	Z3	00	BUD	BUD	HHN	???	_
MORH	0.45	78.1	Pg	08:22:33.485	-0.2					T__		12.3		---	MLv	15330362	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.45	78.1	Lg	08:22:39.309	-1.5					T__				---		15330363	FDSN	HU	--	BUD	BUD	BHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/08/29	08:33:52.40	1.04	0.55	48.2288	21.2287	6.1	4.0	134	0.0S	17	9	106	0.07	1.75	m	kx	BUD	15312591	iLoc			155
2019/08/29	08:33:52.51f		0.67	48.2470	21.2460f				0.0S	17		105	0.05	1.76	a	kx	BUD_GT	15328457	BUD			153

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.2	7 BUD	15312591
ML	1.8	0.2	7 ILOC	15328457

Sta	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	08:33:54.396	0.3					T__		9238.4		---	MLv	15330365	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
ABAH	0.05	355.1	Lg	08:33:55.862	0.2					T__				---		15330366	FDSN	HU	--	BUD	BUD	HHN	???	_
(Station ML : 2.4 0)																								
HU02A	0.50	255.8	Pg	08:34:02.730	-0.3					T__		52.3		---	MLv	15330367	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 1.4 0)																								
JOS	0.53	298.0	Pg	08:34:03.883	0.6					T__		66.4		---	MLv	15330368	FDSN	ZJ	--	BUD	BUD	HHZ	HHZ	_
JOS	0.53	298.0	Lg	08:34:10.666	-0.8					T__				---		15330369	FDSN	ZJ	--	BUD	BUD	HHE	???	_
(Station ML : 1.6 1)																								
KECS	0.56	295.3	Pg	08:34:04.225	0.4					T__		184.3		---	MLv	15330370	FDSN	SK	--	BUD	BUD	EHE	EHZ	_
KECS	0.56	295.3	Lg	08:34:11.226	-1.1					T__				---		15330371	FDSN	SK	--	BUD	BUD	EHN	???	_
(Station ML : 2.1 1)																								
HOLU	0.81	69.3	Pn	08:34:10.106	0.1					T__				---		15330372	FDSN	UA	--	BUD	BUD	MHZ	???	_
HOLU	0.81	69.3	Lg	08:34:22.925	1.2					T__				---		15330373	FDSN	UA	--	BUD	BUD	MHZ	???	_
TRPA	0.87	97.2	Pn	08:34:10.577	-0.3					T__		29.1		---	MLv	15330374	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
TRPA	0.87	97.2	Lg	08:34:23.691	-0.3					T__				---		15330375	FDSN	HU	--	BUD	BUD	BHZ	???	_
(Station ML : 1.4 1)																								
PSZ	0.96	250.6	Pn	08:34:12.505	0.2					T__		52.9		---	MLv	15330376	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.96	250.6	Lg	08:34:26.417	-0.8					T__				---		15330377	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.8 1)																								
KOLS	0.97	44.4	Pn	08:34:12.626	0.2					T__				---		15330378	FDSN	SK	--	BUD	BUD	HHZ	???	_
KOLS	0.97	44.4	Lg	08:34:27.574	0.8					T__				---		15330379	FDSN	SK	--	BUD	BUD	HHE	???	_
DRGR	1.76	145.2	Pg	08:34:26.841	-0.2					T__		25.2		---	MLv	15330380	FDSN	RO	--	BUD	BUD	BHZ	BHZ	_
DRGR	1.76	145.2	Sn	08:34:46.255	-1.3					T__				---		15330381	FDSN	RO	--	BUD	BUD	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/08/29	08:39:54.74	1.12	1.14	46.0798	22.7420	21.0	6.2	76	0.0S	8	5	152	0.22	0.90	m	sx	BUD	15312639	iLoc			226

(description : suspected quarry blast)
 (locality : Baita Romania)

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.1	3 ILOC	15312639

Sta	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	150.5	Pg	08:39:59.117	0.2					T__		775.3		---	MLv	15312641	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DEV	0.22	150.5	Lg	08:40:02.029	-0.1					T__				---		15312642	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.8 1)																								
GZR	0.69	178.0	Lg	08:40:17.694	0.0					T__				---		15312643	FDSN	RO	--	BUD	iLoc	BHE	???	_

```

DRGR 0.71 358.3 Pn 08:40:11.569 -0.5 T__ 40.5 ___ MLv 15312644 FDSN RO -- BUD iLoc BHZ BHZ _
DRGR 0.71 358.3 Lg 08:40:21.510 0.8 T__ ___ 15312645 FDSN RO -- BUD iLoc BHN ??? _
(Station ML : 1.5 1
SIRR 0.77 284.3 Pn 08:40:13.376 1.4 T__ 32.4 ___ MLv 15312646 FDSN RO -- BUD iLoc BHZ BHZ _
SIRR 0.77 284.3 Sn 08:40:24.576 -0.9 T__ ___ 15312647 FDSN RO -- BUD iLoc BHN ??? _
(Station ML : 1.4 1
BZS 0.90 239.5 Sn 08:40:26.782 -1.6 T__ ___ 15312648 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
2019/08/29 10:09:12.97 0.11 0.30 45.9609 22.6984 0.9 0.8 123 3.3F 1.9 24 73 0.16 1.48 a ke BUC 15277629 ISC 360
2019/08/29 10:09:12.74 0.81 0.58 45.9767 22.6787 3.7 2.8 165 3.8F 10.4 45 13 72 0.18 1.50 m ke BUD 15312662 iLoc 117

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Magnitude Err Nsta Author OrigID
ml 1.4 BUC 15277629
ML 1.7 0.2 6 ILOC 15312662

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Sta 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 0.18 120.3 Pg 10:09:16.016 -0.2 T__ 1583.4 _c_ MLv 15312664 FDSN RO -- BUD iLoc BHZ BHZ _
DEV 0.18 120.3 Lg 10:09:18.677 -0.1 T__ ___ 15312665 FDSN RO -- BUD iLoc BHE ??? _
DEV 0.18 120.7 Pg 10:09:16.148 -0.1 T__ ___ 15312666 FDSN IR -- ISC iLoc ??? ??? _
DEV 0.18 120.7 Pg 10:09:16.148 -0.1 T__ 0.5 ___ 15312667 FDSN IR -- ISC iLoc ??? ??? _
DEV 0.18 120.7 Lg 10:09:18.812 -0.1 T__ 0.5 ___ 15312668 FDSN IR -- ISC iLoc ??? ??? _
DEV 0.18 120.7 Lg 10:09:18.812 -0.1 T__ ___ 15312669 FDSN IR -- ISC iLoc ??? ??? _
(Station ML : 2.0 1
SURR 0.45 240.3 Pg 10:09:21.237 -0.2 T__ ___ 15312670 FDSN IR -- ISC iLoc ??? ??? _
SURR 0.45 240.3 Pg 10:09:21.237 -0.2 T__ ___ 15312671 FDSN IR -- ISC iLoc ??? ??? _
SURR 0.45 240.3 Lg 10:09:28.254 0.5 T__ ___ 15312672 FDSN IR -- ISC iLoc ??? ??? _
GZR 0.59 173.3 Pg 10:09:24.150 0.1 T__ 63.5 ___ MLv 15312673 FDSN RO -- BUD iLoc BHZ BHZ _
GZR 0.59 173.3 Lg 10:09:32.333 -0.1 T__ ___ 15312674 FDSN IR -- ISC iLoc ??? ??? _
GZR 0.59 173.3 Lg 10:09:32.435 -0.0 T__ ___ 15312675 FDSN RO -- BUD iLoc BHE ??? _
(Station ML : 1.6 1
MARR 0.76 23.4 Pg 10:09:28.006 0.1 T__ ___ 15312676 FDSN IR -- ISC iLoc ??? ??? _
MARR 0.76 23.4 Pg 10:09:28.006 0.1 T__ ___ 15312677 FDSN IR -- ISC iLoc ??? ??? _
MARR 0.76 23.4 Lg 10:09:38.359 -1.4 T__ ___ 15312678 FDSN IR -- ISC iLoc ??? ??? _
SIRR 0.76 292.6 Pg 10:09:27.966 -0.2 T__ 26.8 ___ MLv 15312679 FDSN RO -- BUD iLoc BHZ BHZ _
SIRR 0.76 292.6 Lg 10:09:39.290 0.0 T__ ___ 15312680 FDSN RO -- BUD iLoc BHE ??? _
SIRR 0.77 292.7 Pg 10:09:27.566 -0.6 T__ ___ 15312681 FDSN IR -- ISC iLoc ??? ??? _
SIRR 0.77 292.7 Pg 10:09:27.566 -0.6 T__ ___ 15312682 FDSN IR -- ISC iLoc ??? ??? _
SIRR 0.77 292.7 Lg 10:09:39.094 -0.2 T__ ___ 15312683 FDSN IR -- ISC iLoc ??? ??? _
(Station ML : 1.4 0
BZS 0.81 244.1 Pg 10:09:28.669 0.2 T__ 26.4 ___ MLv 15312684 FDSN RO -- BUD iLoc BHZ BHZ _
BZS 0.81 244.1 Lg 10:09:39.916 0.1 T__ ___ 15312685 FDSN RO -- BUD iLoc BHN ??? _
(Station ML : 1.4 1
DRGR 0.82 1.6 Pg 10:09:29.139 0.2 T__ ___ 15312686 FDSN IR -- ISC iLoc ??? ??? _
DRGR 0.82 1.6 Pg 10:09:29.139 0.2 T__ ___ 15312687 FDSN IR -- ISC iLoc ??? ??? _
DRGR 0.82 1.6 Lg 10:09:40.753 -0.4 T__ ___ 15312688 FDSN IR -- ISC iLoc ??? ??? _
DRGR 0.82 1.6 Pg 10:09:30.353 1.4 T__ 56.0 ___ MLv 15312689 FDSN RO -- BUD iLoc BHZ BHZ _
(Station ML : 1.7 1
BZS 0.83 244.5 Lg 10:09:39.537 -0.8 T__ ___ 15312690 FDSN IR -- ISC iLoc ??? ??? _
LOT 0.93 124.3 Pg 10:09:30.565 -0.0 T__ ___ 15312691 FDSN IR -- ISC iLoc ??? ??? _
LOT 0.93 124.3 Pg 10:09:30.565 -0.0 T__ ___ 15312692 FDSN IR -- ISC iLoc ??? ??? _

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LOT	0.93	124.3	Lg	10:09:42.393	-1.8	T__									15312693	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.97	40.5	Pg	10:09:31.829	0.0	T__									15312694	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.97	40.5	Pg	10:09:31.829	0.0	T__					0.1				15312695	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.97	40.5	Pn	10:09:33.589	1.0	T__					151.0		MLv		15312696	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
CJR	0.97	40.5	Lg	10:09:45.663	-0.4	T__					0.1				15312697	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.97	40.5	Lg	10:09:45.663	-0.4	T__									15312698	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.97	40.5	Sn	10:09:49.004	0.9	T__									15312699	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 2.2 0)																							
HERR	1.11	189.7	Pg	10:09:34.008	0.3	T__									15312700	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.11	189.7	Pg	10:09:34.008	0.3	T__									15312701	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.11	189.7	Lg	10:09:49.234	0.5	T__									15312702	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.38	210.0	Pn	10:09:38.929	0.7	T__									15312703	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.38	210.0	Pn	10:09:38.929	0.7	T__									15312704	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.38	210.0	Sn	10:09:58.607	1.1	T__									15312705	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	1.50	113.3	Pn	10:09:40.666	0.2	T__									15312706	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	1.50	113.3	Pn	10:09:40.666	0.2	T__									15312707	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	1.50	113.3	Sn	10:10:01.330	-0.1	T__									15312708	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/08/29	11:28:14.14	0.17	0.35	46.0583	22.0736	1.5	1.1	106	10.3F	2.2	15	91	0.31	1.30	a	ke BUC	15277704	ISC				360
2019/08/29	11:28:13.75	0.86	0.34	46.0807	22.0729	3.6	3.2	69	1.1F	16.7	30	8	89	0.33	1.32	m	ke BUD	15312738	iLoc			178

Magnitude	Err	Nsta	Author	OrigID
ml	1.1		BUC	15277704
ML	1.3	0.1	4 ILOC	15312738

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
SURR	0.33	173.7	Pg	11:28:20.020	-0.2					T__						15312740	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.33	173.7	Pg	11:28:20.020	-0.2					T__		0.1				15312741	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.33	173.7	Lg	11:28:24.785	-0.1					T__		0.1				15312742	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.33	173.7	Lg	11:28:24.785	-0.1					T__						15312743	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.34	303.1	Pg	11:28:21.167	0.3					T__		63.8		MLv		15312744	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.34	303.1	Lg	11:28:25.994	-0.2					T__						15312745	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	0.34	303.2	Pg	11:28:20.606	-0.3					T__						15312746	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.34	303.2	Pg	11:28:20.606	-0.3					T__						15312747	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.0 1)																								
BZS	0.55	213.4	Pg	11:28:24.983	0.4					T__		29.2		MLv		15312748	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.55	213.4	Lg	11:28:32.823	0.4					T__						15312749	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	0.56	214.7	Pg	11:28:25.138	0.4					T__						15312750	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.56	214.7	Pg	11:28:25.138	0.4					T__						15312751	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.56	214.7	Lg	11:28:32.527	-0.2					T__						15312752	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.3 1)																								
DEV	0.61	108.5	Lg	11:28:33.701	-0.3					T__						15312753	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.61	108.5	Lg	11:28:33.701	-0.3					T__		0.1				15312754	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.84	31.6	Pg	11:28:30.843	0.5					T__						15312755	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.84	31.6	Pg	11:28:30.843	0.5					T__						15312756	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.84	31.6	Lg	11:28:43.289	0.4					T__						15312757	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.84	31.6	Pg	11:28:30.305	-0.1					T__		26.9		MLv		15312758	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.84	31.6	Lg	11:28:42.958	0.1					T__						15312759	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.4 1)																								
GZR	0.85	144.1	Pg	11:28:29.903	-0.0					T__		31.2		MLv		15312760	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_

GZR	0.85	144.1	Pg	11:28:30.304	0.4	T__	---	15312761	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.85	144.1	Pg	11:28:30.304	0.4	T__	---	15312762	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.85	144.1	Lg	11:28:41.810	0.0	T__	---	15312763	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.5 1																
MARR	0.94	50.2	Pg	11:28:32.380	0.1	T__	---	15312764	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.94	50.2	Pg	11:28:32.380	0.1	T__	---	15312765	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.94	50.2	Lg	11:28:46.196	-0.0	T__	---	15312766	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.32	191.2	Pn	11:28:38.011	-0.7	T__	---	15312767	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.32	191.2	Pn	11:28:38.011	-0.7	T__	---	15312768	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.32	191.2	Lg	11:28:56.861	-0.2	T__	---	15312769	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/08/30	07:47:04.17	1.02	0.66	47.8601	19.1298	7.1	3.5	168	0.0S		8	5	175	0.08	1.14	m	kx BUD	15312790	iLoc			259
2019/08/30	07:47:03.96f		0.64	47.8355	19.1270f				0.0S		8		197	0.07	1.15	a	kx BUD_GT	15328463	BUD			263
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Sejce-Vác Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.2	3 BUD	15312790
ML	1.3	0.1	3 ILOC	15328463

Sta	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	0.07	277.6	Pg	07:47:06.549	0.6					T__		588.6			MLv	15330382	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU10A	0.07	277.6	Lg	07:47:07.328	-0.5					T__						15330383	FDSN	ZJ	00	BUD	BUD	HHZ	???	_
(Station ML : 1.3 1																								
A336A	0.41	347.9	Lg	07:47:18.600	-0.4					T__						15330384	FDSN	Z3	00	BUD	BUD	HH3	???	_
PSZ	0.52	80.6	Pg	07:47:15.146	-0.2					T__		26.3			MLv	15330385	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.52	80.6	Lg	07:47:24.384	0.6					T__						15330386	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.2 1																								
VYHS	0.69	343.6	Lg	07:47:27.096	-1.1					T__						15330387	FDSN	SK	--	BUD	BUD	HHN	???	_
JOS	1.15	54.5	Pg	07:47:27.169	0.4					T__		18.6			MLv	15330388	FDSN	ZJ	--	BUD	BUD	HHZ	HHZ	_
JOS	1.15	54.5	Sn	07:47:43.023	-0.8					T__						15330389	FDSN	ZJ	--	BUD	BUD	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/08/30	07:56:52.02	1.19	1.17	47.5509	18.4077	15.4	3.1	101	0.0S		8	5	138	0.09	1.07	m	kx BUD	15312813	iLoc			277
2019/08/30	07:56:51.70f		0.92	47.5600	18.4573f				0.0S		8		145	0.09	1.03	a	kx BUD_GT	15328467	BUD			258
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Tatabánya Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.7	3 BUD	15312813
ML	1.7	0.8	3 ILOC	15328467

Sta	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	07:56:54.348	0.2					T__		4607.8			MLv	15330390	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU09A	0.09	327.2	Lg	07:56:56.059	-0.4					T__						15330391	FDSN	ZJ	00	BUD	BUD	HHN	???	_

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(Station ML : 2.2 1
CSKK 0.24 214.2 Pg 07:56:57.313 0.3 T__ 538.7 --- MLv 15330392 FDSN HU -- BUD BUD HHN HHZ _
CSKK 0.24 214.2 Lg 07:56:59.673 -1.9 T__ --- 15330393 FDSN HU -- BUD BUD HHN ??? _
(Station ML : 1.7 1
SR0 0.27 339.1 Lg 07:57:03.841 1.2 T__ --- 15330394 FDSN SK -- BUD BUD EHN ??? _
VYHS 0.97 15.1 Pn 07:57:12.025 0.4 T__ 12.8 --- MLv 15330395 FDSN SK -- BUD BUD HHZ HHZ _
VYHS 0.97 15.1 Sn 07:57:26.686 -0.9 T__ --- 15330396 FDSN SK -- BUD BUD HHN ??? _
(Station ML : 1.1 1
PSZ 1.03 69.2 Lg 07:57:28.644 -0.4 T__ --- 15330397 FDSN GE -- BUD BUD 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
2019/08/30	10:02:56.64	0.22	0.35	46.1168	21.7053	2.5	1.2	100	13.6F	1.6	16	163		0.15	1.34	a	ke BUC	15277754	ISC			360
2019/08/30	10:02:55.55	1.42	0.92	46.1309	21.5904	12.2	4.6	100	13.1F	11.8	28	8 204		0.14	1.38	m	ke BUD	15312836	iLoc			232

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Magnitude Err Nsta Author OrigID
ml 1.4 BUC 15277754
ML 1.4 0.5 3 ILOC 15312836

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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
SIRR	0.14	20.5	Pg	10:02:56.273	-3.2					T__		536.9			MLv	15312838	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.14	20.5	Lg	10:03:02.914	0.4					T__						15312839	FDSN	RO	--	BUD	iLoc	BHE	???	_
SIRR	0.14	19.4	Pg	10:03:00.404	0.9					T__						15312840	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.14	19.4	Pg	10:03:00.404	0.9					T__		0.5				15312841	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.14	19.4	Lg	10:03:03.199	0.7					T__		0.5				15312842	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.14	19.4	Lg	10:03:03.199	0.7					T__						15312843	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.4 1																								
BZS	0.51	176.1	Pg	10:03:06.771	1.0					T__		24.2			MLv	15312844	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.51	176.1	Lg	10:03:12.762	-0.2					T__						15312845	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	0.51	177.9	Lg	10:03:13.819	0.8					T__						15312846	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.1 1																								
SURR	0.53	135.1	Pg	10:03:06.149	0.1					T__						15312847	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.53	135.1	Pg	10:03:06.149	0.1					T__						15312848	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.53	135.1	Lg	10:03:11.810	-1.4					T__						15312849	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.02	49.1	Lg	10:03:29.015	-0.3					T__						15312850	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.02	49.1	Pg	10:03:15.527	-0.2					T__		48.7			MLv	15312851	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	1.02	49.1	Sn	10:03:29.965	0.4					T__						15312852	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.8 1																								
GZR	1.11	131.2	Pg	10:03:16.903	0.2					T__						15312853	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.11	131.2	Pg	10:03:16.903	0.2					T__						15312854	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.11	131.2	Lg	10:03:31.607	-0.1					T__						15312855	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.11	131.2	Sn	10:03:32.385	0.7					T__						15312856	FDSN	RO	--	BUD	iLoc	BHE	???	_
MARR	1.19	62.2	Pn	10:03:17.780	0.6					T__						15312857	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.19	62.2	Pn	10:03:17.780	0.6					T__						15312858	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.19	62.2	Sn	10:03:33.273	-0.6					T__						15312859	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.35	176.3	Pg	10:03:20.923	-0.5					T__						15312860	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.35	176.3	Pg	10:03:20.923	-0.5					T__						15312861	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.35	176.3	Lg	10:03:38.827	-0.4					T__						15312862	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.38	154.8	Pg	10:03:21.064	-0.5					T__						15312863	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.38	154.8	Pg	10:03:21.064	-0.5					T__						15312864	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.38	154.8	Lg	10:03:39.376	0.0					T__						15312865	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/08/30	15:14:55.15	0.91	0.96	48.5859	22.8871	5.7	4.2	46	10.6F	10.3	25	16	104	0.19	1.80	m	ke BUD	15312881	iLoc			131

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.2	7 ILOC	15312881

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MUKU	0.19	225.2	Pg	15:14:58.148	-1.2					T__						15312883	FDSN	UA	--	BUD	iLoc	MHZ	???	_
HOLU	0.34	260.2	Pg	15:15:01.242	-0.7					T__						15312884	FDSN	UA	--	BUD	iLoc	MHZ	???	_
MEZ	0.42	99.6	Pg	15:15:03.578	-0.0					T__						15312885	FDSN	UA	--	BUD	iLoc	BHZ	???	_
MEZ	0.42	99.6	Lg	15:15:10.011	-0.3					T__						15312886	FDSN	UA	--	BUD	iLoc	BHN	???	_
KORU	0.46	158.9	Pg	15:15:03.984	-0.3					T__						15312887	FDSN	UA	--	BUD	iLoc	MHZ	???	_
STZU	0.46	338.0	Pg	15:15:04.454	0.2					T__						15312888	FDSN	UA	--	BUD	iLoc	MHZ	???	_
TRSU	0.49	174.6	Pg	15:15:06.059	1.1					T__						15312889	FDSN	UA	--	BUD	iLoc	MHZ	???	_
TRPA	0.51	207.1	Pg	15:15:05.747	0.5					T__		44.8				15312890	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
TRPA	0.51	207.1	Lg	15:15:12.921	-0.4					T__						15312891	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.4 0)																								
KOLS	0.53	310.8	Pg	15:15:06.458	0.9					T__						15312892	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	0.53	310.8	Lg	15:15:13.705	-0.3					T__						15312893	FDSN	SK	--	BUD	iLoc	HHN	???	_
BMR	1.00	155.7	Pg	15:15:13.811	-0.7					T__		300.8				15312894	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BMR	1.00	155.7	Lg	15:15:28.635	-0.1					T__						15312895	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 2.5 0)																								
RAKU	1.02	122.8	Lg	15:15:30.598	1.5					T__						15312896	FDSN	UA	--	BUD	iLoc	MHZ	???	_
STNU	1.08	82.7	Pn	15:15:17.412	1.2					T__						15312897	FDSN	UA	--	BUD	iLoc	MHZ	???	_
ABAH	1.13	255.8	Pn	15:15:15.441	-0.7					T__		147.1				15312898	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	1.13	255.8	Lg	15:15:32.078	-1.0					T__						15312899	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 2.3 1)																								
STHS	1.36	308.2	Pn	15:15:19.710	-0.1					T__		75.3				15312900	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 2.1 1)																								
JOS	1.56	267.6	Pn	15:15:21.961	-0.2					T__		26.5				15312901	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	1.56	267.6	Sn	15:15:44.538	1.3					T__						15312902	FDSN	ZJ	--	BUD	iLoc	HHN	???	_
(Station ML : 1.8 1)																								
HU02A	1.64	254.5	Pn	15:15:22.991	-0.4					T__		39.1				15312903	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.64	254.5	Lg	15:15:49.065	-0.6					T__						15312904	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 2.0 1)																								
DRGR	1.80	183.9	Pn	15:15:25.662	-0.2					T__		45.1				15312905	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	1.80	183.9	Pg	15:15:31.860	2.1					T__						15312906	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	1.80	183.9	Sn	15:15:48.240	-1.4					T__						15312907	FDSN	RO	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/08/30	21:06:54.40		0.40	46.1170	16.6320				9.7A							a	ke LJU	15277801	ISC			360
2019/08/30	21:06:54.55	0.86	0.62	46.1213	16.6323	4.2	3.7	44	5.3F	11.9	26	14	90	0.12	1.40	m	ke BUD	15312937	iLoc			145

Magnitude	Err	Nsta	Author	OrigID
ML	1.1		LJU	15277801
ML	1.6	0.3	6 ILOC	15312937

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

KALN	0.12	274.7	Pg	21:06:57.420	-0.2	T__	---	15312939	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.12	274.7	Lg	21:06:59.750	-0.2	T__	---	15312940	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.39	275.1	Pg	21:07:01.990	-0.5	T__	---	15312941	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.39	275.1	Lg	21:07:08.100	0.1	T__	---	15312942	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.42	321.1	Pg	21:07:03.190	0.2	T__	---	15312943	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.42	321.1	Lg	21:07:08.740	0.1	T__	---	15312944	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.42	321.1	IAML	21:07:10.530	-99.0	---	5.0 0.10	15312945	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.42	321.1	Pg	21:07:02.933	-0.1	T__	213.4	15312946	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.42	321.1	Lg	21:07:08.857	0.3	T__	---	15312947	FDSN	SL	--	BUD	iLoc	BHE	???	_
(Station ML : 1.8 1																
A264A	0.46	85.0	Lg	21:07:11.183	1.0	T__	---	15312948	FDSN	Z3	00	BUD	iLoc	HHN	???	_
PTJ	0.51	245.4	Pg	21:07:04.841	0.2	T__	57.4	15312949	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.51	245.4	Lg	21:07:12.171	0.5	T__	---	15312950	FDSN	CR	--	BUD	iLoc	BHE	???	_
PTJ	0.51	245.4	Lg	21:07:12.060	-0.3	T__	---	15312951	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.5 1																
MOSL	0.51	170.4	Pg	21:07:04.870	-0.1	T__	---	15312952	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.51	170.4	Lg	21:07:10.920	-1.0	T__	---	15312953	FDSN	IR	--	ISC	iLoc	???	???	_
ZAG	0.54	237.0	Pg	21:07:05.669	0.5	T__	233.9	15312954	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.54	237.0	Lg	21:07:13.728	1.1	T__	---	15312955	FDSN	CR	--	BUD	iLoc	BHE	???	_
(Station ML : 2.2 0																
GCIS	0.75	250.4	Pg	21:07:09.160	0.1	T__	---	15312956	FDSN	IR	--	ISC	iLoc	???	???	_
A262A	0.75	354.5	Sn	21:07:21.212	-1.0	T__	---	15312957	FDSN	Z3	00	BUD	iLoc	HHE	???	_
DOBS	0.81	272.4	Pg	21:07:09.880	-0.3	T__	---	15312958	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.87	250.6	Pg	21:07:11.468	0.2	T__	108.1	15312959	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.87	250.6	Lg	21:07:24.422	0.4	T__	---	15312960	FDSN	SL	--	BUD	iLoc	BHN	???	_
(Station ML : 2.0 1																
KOVH	1.02	91.3	Pn	21:07:12.949	-1.3	T__	19.8	15312961	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	1.02	91.3	Lg	21:07:27.861	-0.0	T__	---	15312962	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.4 1																
ARSA	1.36	326.3	Lg	21:07:37.953	-0.0	T__	---	15312963	FDSN	OE	--	BUD	iLoc	BHE	???	_
MORH	1.40	85.4	Pg	21:07:21.184	-0.2	T__	7.3	15312964	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.40	85.4	Lg	21:07:40.815	1.0	T__	---	15312965	FDSN	HU	--	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
2019/08/30	22:14:55.08	0.83	0.65	46.1147	16.6276	3.9	3.3	143	6.4F	10.3	25	13	78	0.12	1.41	m	ke	BUD	15313024	iLoc		146

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.3	6 ILOC	15313024

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
KALN	0.12	277.9	Pg	22:14:57.800	-0.4	T__	---	---	---	---	---	---	---	---	---	15313026	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.12	277.9	Lg	22:15:00.280	-0.2	T__	---	---	---	---	---	---	---	---	---	15313027	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.37	16.0	Pg	22:15:02.772	0.0	T__	---	---	---	---	32.9	---	---	MLv	15313028	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
BEHE	0.37	16.0	Lg	22:15:08.815	0.8	T__	---	---	---	---	---	---	---	---	15313029	FDSN	HU	--	BUD	iLoc	BHE	???	_	
(Station ML : 0.8 0																								
LOBO	0.39	276.1	Pg	22:15:02.530	-0.5	T__	---	---	---	---	---	---	---	---	---	15313030	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.39	276.1	Lg	22:15:08.620	0.2	T__	---	---	---	---	---	---	---	---	---	15313031	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.42	322.0	Pg	22:15:03.569	-0.0	T__	---	---	---	---	179.7	---	---	MLv	15313032	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_	
KOGS	0.42	322.0	Lg	22:15:09.047	-0.2	T__	---	---	---	---	---	---	---	---	15313033	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.7 1																								
A264A	0.46	84.2	Lg	22:15:11.456	0.6	T__	---	---	---	---	---	---	---	---	15313034	FDSN	Z3	00	BUD	iLoc	HHN	???	_	

PTJ	0.50	245.9	Pg	22:15:05.280	0.2	T__	47.0	---	MLv	15313035	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_	
PTJ	0.50	245.9	Lg	22:15:12.608	0.6	T__		---		15313036	FDSN	CR	--	BUD	iLoc	BHN	???	_	
PTJ	0.50	245.9	Lg	22:15:12.460	-0.3	T__		---		15313037	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.4 1																			
MOSL	0.51	169.9	Pg	22:15:05.150	-0.3	T__		---		15313038	FDSN	IR	--	ISC	iLoc	???	???	_	
MOSL	0.51	169.9	Lg	22:15:11.740	-0.5	T__		---		15313039	FDSN	IR	--	ISC	iLoc	???	???	_	
ZAG	0.53	237.4	Pg	22:15:06.000	0.4	T__		---		15313040	FDSN	IR	--	ISC	iLoc	???	???	_	
ZAG	0.53	237.4	Lg	22:15:14.339	1.4	T__		---		15313041	FDSN	CR	--	BUD	iLoc	BHN	???	_	
A262A	0.75	354.8	Sn	22:15:21.577	-1.1	T__		---		15313042	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
CRES	0.87	250.9	Pg	22:15:11.792	0.1	T__	120.4	---	MLv	15313043	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_	
CRES	0.87	250.9	Lg	22:15:24.996	0.6	T__		---		15313044	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Station ML : 2.1 0																			
OZLJ	0.95	238.8	Pn	22:15:13.770	-0.5	T__		---		15313045	FDSN	IR	--	ISC	iLoc	???	???	_	
OZLJ	0.95	238.8	Sn	22:15:27.670	-0.5	T__		---		15313046	FDSN	IR	--	ISC	iLoc	???	???	_	
KOVH	1.02	90.9	Pn	22:15:13.489	-1.2	T__	26.4	---	MLv	15313047	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
KOVH	1.02	90.9	Lg	22:15:28.673	0.2	T__		---		15313048	FDSN	HU	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.5 1																			
MORH	1.41	85.1	Pg	22:15:21.756	-0.2	T__	7.5	---	MLv	15313049	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
MORH	1.41	85.1	Lg	22:15:41.247	0.9	T__		---		15313050	FDSN	HU	--	BUD	iLoc	BHE	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/08/30	22:17:25.45	0.91	0.89	46.1066	16.6429	4.6	3.9	110	4.7F	12.1	17	10	80	0.13	1.01	m	ke	BUD	15312992	iLoc		156

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.8	3 ILOC	15312992

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
KALN	0.13	280.8	Pg	22:17:28.420	-0.2					T__						15312994	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.13	280.8	Lg	22:17:30.780	-0.3					T__						15312995	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.38	14.1	Pg	22:17:33.154	-0.1					T__	28.6				MLv	15312996	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BEHE	0.38	14.1	Lg	22:17:39.210	0.7					T__						15312997	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 0.8 1																								
LOBO	0.40	277.1	Pg	22:17:33.560	0.0					T__						15312998	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.40	277.1	Lg	22:17:39.090	-0.0					T__						15312999	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.44	321.6	Lg	22:17:40.368	0.4					T__						15313000	FDSN	SL	--	BUD	iLoc	BHE	???	_
MOSL	0.50	171.0	Pg	22:17:35.590	0.0					T__						15313001	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.50	171.0	Lg	22:17:42.130	-0.2					T__						15313002	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.51	247.3	Lg	22:17:43.282	0.7					T__						15313003	FDSN	CR	--	BUD	iLoc	BHN	???	_
PTJ	0.51	247.2	Lg	22:17:42.870	-0.4					T__						15313004	FDSN	IR	--	ISC	iLoc	???	???	_
ZAG	0.54	238.8	Lg	22:17:44.940	1.5					T__						15313005	FDSN	CR	--	BUD	iLoc	BHN	???	_
A262A	0.76	354.0	Sn	22:17:52.175	-1.4					T__						15313006	FDSN	Z3	00	BUD	iLoc	HHE	???	_
CRES	0.87	251.7	Pg	22:17:42.424	0.2					T__	87.6				MLv	15313007	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.87	251.7	Sn	22:17:56.567	-0.6					T__						15313008	FDSN	SL	--	BUD	iLoc	BHE	???	_
(Station ML : 1.9 1																								
KOVH	1.01	90.5	Pn	22:17:43.999	-1.1					T__	22.8				MLv	15313009	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	1.01	90.5	Sn	22:17:58.103	-1.7					T__						15313010	FDSN	HU	--	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
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2019/08/30 22:19:21.28 0.83 0.69 46.1134 16.6231 4.1 3.4 147 6.9F 10.2 25 14 78 0.12 1.41 m ke BUD 15313076 iLoc 146

Magnitude Err Nsta Author OrigID
 ML 1.5 0.4 5 ILOC 15313076

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
KALN	0.12	278.7	Pg	22:19:23.990	-0.3					T__						15313078	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.12	278.7	Lg	22:19:26.080	-0.6					T__						15313079	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.37	16.4	Pg	22:19:29.022	0.0					T__		46.3			MLv	15313080	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BEHE	0.37	16.4	Lg	22:19:34.885	0.6					T__						15313081	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.0 0)																								
LOBO	0.39	276.4	Pg	22:19:28.570	-0.6					T__						15313082	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.39	276.4	Lg	22:19:34.450	-0.1					T__						15313083	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.42	322.5	Pg	22:19:29.813	0.0					T__		180.9			MLv	15313084	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.42	322.5	Lg	22:19:35.868	0.4					T__						15313085	FDSN	SL	--	BUD	iLoc	BHN	???	_
(Station ML : 1.7 1)																								
A264A	0.47	84.1	Lg	22:19:38.102	1.0					T__						15313086	FDSN	Z3	00	BUD	iLoc	HNN	???	_
PTJ	0.50	245.9	Lg	22:19:38.897	0.8					T__						15313087	FDSN	CR	--	BUD	iLoc	BHN	???	_
PTJ	0.50	245.9	Lg	22:19:38.710	-0.1					T__						15313088	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.51	169.6	Pg	22:19:31.630	0.0					T__						15313089	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.51	169.6	Lg	22:19:37.910	-0.5					T__						15313090	FDSN	IR	--	ISC	iLoc	???	???	_
ZAG	0.53	237.4	Lg	22:19:40.240	1.2					T__						15313091	FDSN	IR	--	ISC	iLoc	???	???	_
ZAG	0.53	237.4	Lg	22:19:40.537	1.5					T__						15313092	FDSN	CR	--	BUD	iLoc	BHN	???	_
A262A	0.75	355.0	Sn	22:19:47.823	-1.0					T__						15313093	FDSN	Z3	00	BUD	iLoc	HHE	???	_
CRES	0.86	250.9	Pg	22:19:38.125	0.4					T__		86.0			MLv	15313094	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.86	250.9	Lg	22:19:50.520	-0.0					T__						15313095	FDSN	SL	--	BUD	iLoc	BHN	???	_
(Station ML : 1.9 0)																								
A265A	0.87	68.6	Sn	22:19:51.489	-0.2					T__						15313096	FDSN	Z3	00	BUD	iLoc	HHE	???	_
OZLJ	0.95	238.7	Pn	22:19:40.240	-0.2					T__						15313097	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	0.95	238.7	Lg	22:19:53.360	0.2					T__						15313098	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	1.03	90.9	Pn	22:19:39.642	-1.2					T__		26.3			MLv	15313099	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	1.03	90.9	Lg	22:19:54.402	-0.3					T__						15313100	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.5 1)																								
MORH	1.41	85.1	Pg	22:19:47.654	-0.5					T__		6.7			MLv	15313101	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.41	85.1	Lg	22:20:06.606	-0.0					T__						15313102	FDSN	HU	--	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
 2019/08/30 22:41:22.61 0.85 0.83 46.1011 16.6148 4.1 3.9 92 6.4F 11.6 18 11 78 0.11 1.42 m ke BUD 15313124 iLoc 156

Magnitude Err Nsta Author OrigID
 ML 1.5 0.4 4 ILOC 15313124

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
KALN	0.11	285.3	Pg	22:41:25.310	-0.3					T__						15313126	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.11	285.3	Lg	22:41:27.820	-0.0					T__						15313127	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.38	278.3	Pg	22:41:29.790	-0.6					T__						15313128	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.38	278.3	Lg	22:41:36.020	0.3					T__						15313129	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.39	16.7	Pg	22:41:30.278	-0.3					T__		38.0			MLv	15313130	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BEHE	0.39	16.7	Lg	22:41:36.115	0.1					T__						15313131	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.0 1)																								
KOGS	0.43	324.1	Pg	22:41:31.975	0.8					T__		164.4			MLv	15313132	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_

KOGS	0.43	324.1	Lg	22:41:37.105	0.1	T__	---	15313133	FDSN	SL	--	BUD	iLoc	BHE	???	_		
(Station ML : 1.7 1)																		
A264A	0.47	82.6	Lg	22:41:39.339	0.7	T__	---	15313134	FDSN	Z3	00	BUD	iLoc	HHN	???	_		
PTJ	0.49	247.0	Lg	22:41:40.188	1.1	T__	---	15313135	FDSN	CR	--	BUD	iLoc	BHN	???	_		
MOSL	0.50	168.6	Pg	22:41:32.850	0.1	T__	---	15313136	FDSN	IR	--	ISC	iLoc	???	???	_		
MOSL	0.50	168.6	Lg	22:41:39.190	-0.2	T__	---	15313137	FDSN	IR	--	ISC	iLoc	???	???	_		
A262A	0.77	355.5	Sn	22:41:49.051	-1.5	T__	---	15313138	FDSN	Z3	00	BUD	iLoc	HHE	???	_		
CRES	0.85	251.6	Pn	22:41:40.422	-0.2	T__	---	91.2	MLv	15313139	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.85	251.6	Lg	22:41:52.534	1.0	T__	---	15313140	FDSN	SL	--	BUD	iLoc	BHE	???	_		
(Station ML : 1.9 1)																		
KOVH	1.03	90.2	Pn	22:41:41.297	-1.1	T__	---	19.0	MLv	15313141	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	1.03	90.2	Sn	22:41:55.607	-1.5	T__	---	15313142	FDSN	HU	--	BUD	iLoc	BHE	???	_		
(Station ML : 1.4 1)																		
MORH	1.42	84.6	Lg	22:42:08.822	0.6	T__	---	15313143	FDSN	HU	--	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
2019/08/31	00:53:38.20		0.40	46.1110	16.6290				9.2A							a	ke LJU	15277899	ISC			360
2019/08/31	00:53:38.60	0.34		46.0940	16.6840	0.0	0.0		5.5F	3.4	14			0.38	1.61	a	ke RHSSO	15277902	ISC			360
2019/08/31	00:53:38.07	0.59	0.70	46.1514	16.6335	3.6	2.2	104	8.0F	0.0	17		2	1.22	1.48	a	ke VIE	15277895	ISC			360
2019/08/31	00:53:38.01	0.64	0.72	46.1115	16.6455	2.8	2.5	130	3.7F	7.4	71	31	73	0.13	1.63	m	ke BUD	15313161	iLoc			78

Magnitude	Err	Nsta	Author	OrigID
ML	1.5		LJU	15277899
ML	1.6		RHSSO	15277902
mb	1.3		VIE	15277895
m1	1.6		VIE	15277895
ML	1.9	0.2	16 ILOC	15313161

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
KALN	0.13	278.6	Pg	00:53:40.910	-0.3					T__						15313163	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.13	278.6	Lg	00:53:43.380	-0.2					T__						15313164	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.37	14.1	Pg	00:53:45.400	-0.2					T__		0.1				15313165	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.37	14.1	Pg	00:53:45.500	-0.2					T__						15313166	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.37	14.1	Lg	00:53:51.500	0.7					T__						15313167	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.37	14.1	Pg	00:53:45.785	0.1					T__		349.9				15313168	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BEHE	0.37	14.1	Lg	00:53:51.638	0.8					T__						15313169	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.9 1)																								
LOBO	0.40	276.4	Pg	00:53:45.620	-0.5					T__						15313170	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.40	276.4	Lg	00:53:51.930	0.2					T__						15313171	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.43	321.0	Pg	00:53:46.670	-0.0					T__						15313172	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.43	321.0	Lg	00:53:52.800	0.4					T__						15313173	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.43	321.0	IAML	00:53:54.300	-99.0					---		12.8	0.09			15313174	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.43	321.0	Pg	00:53:46.322	-0.4					T__		466.1				15313175	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.43	321.0	Lg	00:53:52.641	0.2					T__						15313176	FDSN	SL	--	BUD	iLoc	BHE	???	_
(Station ML : 2.2 1)																								
A264A	0.45	83.6	Pg	00:53:47.110	-0.1					T__		195.3				15313177	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A264A	0.45	83.6	Lg	00:53:54.498	1.2					T__						15313178	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 1.8 1)																								
MOSL	0.50	171.3	Pg	00:53:47.800	-0.4					T__						15313179	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.50	171.3	Pb	00:53:48.070	-0.1					T__						15313180	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.50	171.3	Lg	00:53:54.200	-0.8					T__						15313181	FDSN	IR	--	ISC	iLoc	???	???	_

MOSL	0.50	171.3	Sg	00:53:55.030	0.1	T__			15313182	FDSN	IR	--	ISC	iLoc	???	???	_	
PTJ	0.51	246.8	Pg	00:53:48.160	0.0	T__	167.7	---	MLv	15313183	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.51	246.8	Lg	00:53:55.723	0.5	T__		---		15313184	FDSN	CR	--	BUD	iLoc	BHE	???	_
PTJ	0.51	246.8	Lg	00:53:55.610	-0.3	T__		---		15313185	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.0 1																		
ZAG	0.54	238.5	Lg	00:53:57.340	1.3	T__		---		15313186	FDSN	IR	--	ISC	iLoc	???	???	_
ZAG	0.54	238.4	Pg	00:53:49.166	0.5	T__	261.9	---	MLv	15313187	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.54	238.4	Lg	00:53:57.202	1.1	T__		---		15313188	FDSN	CR	--	BUD	iLoc	BHN	???	_
(Station ML : 2.2 1																		
A263A	0.70	41.0	Pg	00:53:51.919	-0.2	T__	232.1	---	MLv	15313189	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A263A	0.70	41.0	Lg	00:54:02.308	0.7	T__		---		15313190	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 2.3 0																		
GCIS	0.75	251.4	Pg	00:53:52.720	0.2	T__		---		15313191	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.75	251.4	Lg	00:54:03.310	0.1	T__		---		15313192	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.75	251.4	IAML	00:54:07.180	-99.0	---	7.2	0.15	---	15313193	FDSN	IR	--	ISC	iLoc	???	???	_
A262A	0.76	353.9	Pn	00:53:53.708	-0.8	T__	203.2	---	MLv	15313194	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A262A	0.76	353.9	Sn	00:54:04.624	-1.6	T__		---		15313195	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 2.2 0																		
DOBS	0.82	273.1	Pg	00:53:53.300	-0.5	T__		---		15313196	FDSN	IR	--	ISC	iLoc	???	???	_
A265A	0.86	68.2	Sn	00:54:08.557	-0.1	T__		---		15313197	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A021A	0.86	319.0	Pn	00:53:55.569	-0.5	T__	92.1	---	MLv	15313198	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A021A	0.86	319.0	Sn	00:54:06.963	-1.6	T__		---		15313199	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 1.9 1																		
CRES	0.88	251.4	Pg	00:53:54.868	-0.1	T__	168.7	---	MLv	15313200	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.88	251.4	Lg	00:54:08.098	0.4	T__		---		15313201	FDSN	SL	--	BUD	iLoc	BHN	???	_
(Station ML : 2.2 1																		
A261A	0.91	22.3	Lg	00:54:08.603	0.3	T__		---		15313202	FDSN	Z3	00	BUD	iLoc	HHE	???	_
OZLJ	0.96	239.3	Pg	00:53:56.000	-0.3	T__		---		15313203	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	0.96	239.3	Pn	00:53:57.640	-0.1	T__		---		15313204	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	0.96	239.3	Lg	00:54:09.900	-0.4	T__		---		15313205	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	0.96	239.3	Sg	00:54:10.750	0.5	T__		---		15313206	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	1.01	90.8	Pn	00:53:56.295	-1.5	T__	49.1	---	MLv	15313207	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	1.01	90.8	Lg	00:54:10.759	-0.4	T__		---		15313208	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.8 1																		
A051A	1.11	170.4	Pg	00:53:58.800	-0.7	T__		---		15313209	FDSN	IR	--	ISC	iLoc	???	???	_
A051A	1.11	170.4	Lg	00:54:13.400	-0.7	T__		---		15313210	FDSN	IR	--	ISC	iLoc	???	???	_
TIH	1.17	47.0	Pn	00:53:59.876	-0.0	T__	131.7	---	MLv	15313211	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.3 0																		
SOKA	1.25	297.5	Pn	00:54:01.846	-0.1	T__	0.2	0.12	---	15313212	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	1.25	297.5	Sn	00:54:18.313	-0.5	T__	0.5	0.12	---	15313213	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	1.38	163.9	Pg	00:54:05.277	1.3	T__	22.6	---	MLv	15313214	FDSN	MN	--	BUD	iLoc	BHZ	BHZ	_
BLY	1.38	163.9	Lg	00:54:23.881	2.2	T__		---		15313215	FDSN	MN	--	BUD	iLoc	BHN	???	_
(Station ML : 1.6 0																		
ARSA	1.38	326.3	Lg	00:54:21.548	-0.3	T__		---		15313216	FDSN	OE	--	BUD	iLoc	BHN	???	_
ARSA	1.38	326.3	Pg	00:54:04.020	0.1	T__	0.1	0.08	---	15313217	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.38	326.3	Sn	00:54:21.188	-0.0	T__	1.4	0.26	---	15313218	FDSN	IR	--	ISC	iLoc	???	???	_
A011B	1.38	340.3	Pg	00:54:03.844	-0.4	T__	18.9	---	MLv	15313219	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A011B	1.38	340.3	Sn	00:54:21.026	-0.3	T__		---		15313220	FDSN	Z3	00	BUD	iLoc	HH2	???	_
(Station ML : 1.5 0																		
EGYH	1.39	19.6	Pn	00:54:03.271	0.2	T__	56.3	---	MLv	15313221	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
EGYH	1.39	19.6	Sn	00:54:21.876	0.4	T__		---		15313222	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 2.0 1																		
MORH	1.39	85.0	Pn	00:54:02.900	-0.0	T__		---		15313223	FDSN	IR	--	ISC	iLoc	???	???	_

MORH	1.39	85.0	Lg	00:54:22.300	-0.8	T__									15313224	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.39	85.0	Pn	00:54:01.445	-1.5	T__									15313225	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.39	85.0	Lg	00:54:23.070	0.0	T__									15313226	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.1 0																							
BLY	1.41	164.3	Pn	00:54:03.500	-0.3	T__									15313227	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	1.41	164.3	Lg	00:54:22.700	-0.2	T__									15313228	FDSN	IR	--	ISC	iLoc	???	???	_
PLIT	1.43	210.6	Pg	00:54:05.330	0.7	T__									15313229	FDSN	IR	--	ISC	iLoc	???	???	_
PLIT	1.43	210.6	Sn	00:54:23.610	-0.2	T__									15313230	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.51	286.1	Lg	00:54:28.074	1.5	T__									15313231	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.51	286.1	Lg	00:54:28.353	1.7	T__									15313232	FDSN	OE	--	BUD	iLoc	HHE	???	_
HU08A	1.59	33.2	Pn	00:54:06.422	0.7	T__									15313233	FDSN	ZJ	00	BUD	iLoc	HHE	HHZ	_
(Station ML : 1.8 1																							
A050A	1.63	182.9	Pn	00:54:07.400	0.1	T__									15313234	FDSN	IR	--	ISC	iLoc	???	???	_
A050A	1.63	182.9	Sn	00:54:28.500	-0.7	T__									15313235	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/08/31	07:58:34.20	0.30		46.1640	16.7020	0.0	0.0		14.0F	2.6	44			1.21	5.12	a	ke BEO	15277994	ISC			360
2019/08/31	07:58:34.00		1.29	46.1300	16.6700				15.0A					2	1.25	4.80	a	ke CSEM	15277991	ISC		360
2019/08/31	07:58:34.80		0.50	46.1280	16.6110				13.0A								a	ke LJU	15278000	ISC		360
2019/08/31	07:58:34.80			46.2400	16.6600				1.0A		14						a	ke PRU	15278003	ISC		360
2019/08/31	07:58:34.70	0.28		46.1110	16.7120	0.0	0.0		6.7F	2.0	32			0.36	3.60	a	ke RHSSO	15277997	ISC			360
2019/08/31	07:58:34.38	0.56	1.51	46.1071	16.6851	2.5	2.3	154	6.3F	4.4	293	120	26	0.16	5.10	m	ke BUD	15313465	iLoc			27

Magnitude	Err	Nsta	Author	OrigID
ML	3.0		BEO	15277994
mb	3.4		CSEM	15277991
ML	3.0		LJU	15278000
ML	3.2		RHSSO	15277997
ML	3.4	0.1	45 ILOC	15313465

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
KALN	0.16	278.7	Pg	07:58:37.670	-0.5					T__						15313467	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.16	278.7	Lg	07:58:40.110	-0.9					T__						15313468	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.37	9.8	Pg	07:58:41.200	-0.8					T__						15313469	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.37	9.8	Pb	07:58:41.400	-0.6					T__						15313470	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.37	9.8	Pn	07:58:42.000	-4.2					T__						15313471	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.37	9.8	Lg	07:58:48.000	0.8					T__						15313472	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.37	9.8	Pg	07:58:42.601	0.6					T__						15313473	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BEHE	0.37	9.8	Lg	07:58:48.465	1.2					T__						15313474	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 3.5 1																								
A264A	0.42	82.7	Pg	07:58:43.958	0.9					T__						15313475	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A264A	0.42	82.7	Lg	07:58:51.427	2.5					T__						15313476	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 3.6 1																								
LOBO	0.43	276.6	Pg	07:58:42.320	-0.7					T__						15313477	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.43	276.6	Lg	07:58:48.110	-0.9					T__						15313478	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.46	318.7	Pg	07:58:42.600	-0.9					T__						15313479	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.46	318.7	Pb	07:58:42.800	-0.7					T__						15313480	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.46	318.7	IAML	07:58:52.310	-99.0					T__						15313481	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.46	318.7	Pg	07:58:43.368	-0.1					T__						15313482	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.46	318.7	Lg	07:58:49.414	-0.1					T__						15313483	FDSN	SL	--	BUD	iLoc	BHE	???	_
(Station ML : 3.3 1																								

MOSL	0.50	174.4	Pg	07:58:44.300	-0.2	T__	---	15313484	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.50	174.4	Pb	07:58:44.910	0.4	T__	---	15313485	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.50	174.4	Lg	07:58:51.000	-0.1	T__	---	15313486	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.50	174.4	Sg	07:58:51.990	0.8	T__	---	15313487	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.54	248.5	Pg	07:58:44.914	-0.1	T__	8162.4	15313488	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.54	248.5	Lg	07:58:52.343	-0.1	T__	---	15313489	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	0.54	248.4	Pg	07:58:44.500	-0.8	T__	8.2	15313490	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 3.7 0)																
ZAG	0.56	240.3	Pg	07:58:46.700	1.3	T__	19.2	15313491	FDSN	IR	--	ISC	iLoc	???	???	_
ZAG	0.56	240.3	Lg	07:58:54.020	0.8	T__	---	15313492	FDSN	IR	--	ISC	iLoc	???	???	_
ZAG	0.56	240.3	Pg	07:58:45.881	0.4	T__	19171.7	15313493	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.56	240.3	Lg	07:58:53.301	0.1	T__	---	15313494	FDSN	CR	--	BUD	iLoc	BHN	???	_
(Station ML : 4.1 0)																
A263A	0.69	39.0	Pg	07:58:48.304	0.1	T__	6276.0	15313495	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A263A	0.69	39.0	Sn	07:58:59.069	-1.5	T__	---	15313496	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 3.7 0)																
GOLS	0.74	262.9	Pg	07:58:48.440	-0.5	T__	---	15313497	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.74	262.9	Lg	07:58:59.300	-0.2	T__	---	15313498	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.74	262.9	IAML	07:59:04.000	-99.0	---	273.0	15313499	FDSN	IR	--	ISC	iLoc	???	???	_
A262A	0.77	351.9	Pn	07:58:49.849	-0.8	T__	4514.5	15313500	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A262A	0.77	351.9	Sn	07:59:01.241	-1.0	T__	---	15313501	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 3.6 1)																
GCIS	0.78	252.4	Pg	07:58:49.260	-0.1	T__	---	15313502	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.78	252.4	Lg	07:59:00.220	-0.2	T__	---	15313503	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.78	252.4	IAML	07:59:03.280	-99.0	---	362.0	15313504	FDSN	IR	--	ISC	iLoc	???	???	_
A273A	0.81	103.2	Pg	07:58:51.197	0.8	T__	4926.7	15313505	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A273A	0.81	103.2	Sn	07:59:04.158	0.8	T__	---	15313506	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 3.6 1)																
A265A	0.83	67.2	Pg	07:58:51.066	0.1	T__	5292.4	15313507	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A265A	0.83	67.2	Sn	07:59:04.049	0.1	T__	---	15313508	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 3.7 0)																
DOBS	0.85	273.3	Pg	07:58:50.030	-0.6	T__	---	15313509	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.85	273.3	IAML	07:59:05.500	-99.0	---	254.0	15313510	FDSN	IR	--	ISC	iLoc	???	???	_
CESS	0.86	261.5	Pg	07:58:50.740	-0.1	T__	---	15313511	FDSN	IR	--	ISC	iLoc	???	???	_
CESS	0.86	261.5	Lg	07:59:03.290	-0.1	T__	---	15313512	FDSN	IR	--	ISC	iLoc	???	???	_
CESS	0.86	261.5	IAML	07:59:06.220	-99.0	---	985.0	15313513	FDSN	IR	--	ISC	iLoc	???	???	_
A021A	0.88	317.8	Pg	07:58:50.880	-0.5	T__	4308.1	15313514	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A021A	0.88	317.8	Sn	07:59:03.177	-1.8	T__	---	15313515	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 3.6 1)																
GROS	0.89	293.8	Pg	07:58:50.770	-0.9	T__	---	15313516	FDSN	IR	--	ISC	iLoc	???	???	_
GROS	0.89	293.8	Lg	07:59:02.010	-1.9	T__	---	15313517	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.90	252.3	Pg	07:58:50.915	-0.7	T__	9554.8	15313518	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.90	252.3	Lg	07:59:03.810	-1.1	T__	---	15313519	FDSN	SL	--	BUD	iLoc	BHN	???	_
CRES	0.90	252.3	Pg	07:58:51.100	-0.5	T__	9.6	15313520	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.90	252.3	Pb	07:58:51.520	-0.1	T__	---	15313521	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.90	252.3	Lg	07:59:04.840	-0.1	T__	---	15313522	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.90	252.3	IAML	07:59:06.890	-99.0	---	295.0	15313523	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 4.0 0)																
A261A	0.90	20.6	Pn	07:58:51.672	-0.8	T__	2266.2	15313524	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 3.4 1)																
OZLJ	0.98	240.4	Pg	07:58:52.900	0.0	T__	---	15313525	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	0.98	240.4	Pn	07:58:53.330	-0.7	T__	---	15313526	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	0.98	240.4	Sn	07:59:06.400	-1.8	T__	---	15313527	FDSN	IR	--	ISC	iLoc	???	???	_

OZLJ	0.98	240.4	Lg	07:59:06.870	-0.5	T__			15313528	FDSN	IR	--	ISC	iLoc	???	???	_	
KOVH	0.98	90.6	Pn	07:58:52.600	-0.9	T__		2.8	15313529	FDSN	IR	--	ISC	iLoc	???	???	_	
KOVH	0.98	90.6	Pg	07:58:52.700	-0.9	T__		2.8	15313530	FDSN	IR	--	ISC	iLoc	???	???	_	
KOVH	0.98	90.6	Pg	07:58:52.700	-0.9	T__			15313531	FDSN	IR	--	ISC	iLoc	???	???	_	
KOVH	0.98	90.6	Pn	07:58:53.235	-0.2	T__		2801.7	15313532	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
KOVH	0.98	90.6	Lg	07:59:07.022	0.5	T__			15313533	FDSN	HU	--	BUD	iLoc	BHN	???	_	
(Station ML : 3.5 1																		
A010A	1.05	336.8	Pg	07:58:54.203	-0.3	T__		1409.1	15313534	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A010A	1.05	336.8	Sn	07:59:09.307	0.2	T__			15313535	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
(Station ML : 3.2 1																		
A051A	1.11	171.8	Pn	07:58:54.900	-0.9	T__			15313536	FDSN	IR	--	ISC	iLoc	???	???	_	
A051A	1.11	171.8	Sn	07:59:10.000	-1.5	T__			15313537	FDSN	IR	--	ISC	iLoc	???	???	_	
TIH	1.15	45.9	Pn	07:58:55.557	-0.2	T__		7930.9	15313538	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
TIH	1.15	45.9	Sn	07:59:11.485	-0.3	T__			15313539	FDSN	HU	--	BUD	iLoc	HHN	???	_	
TIH	1.15	46.0	Pg	07:58:57.000	0.4	T__			15313541	FDSN	IR	--	ISC	iLoc	???	???	_	
TIH	1.15	46.0	Pg	07:58:57.000	0.4	T__		7.9	15313540	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 4.0 0																		
BOJS	1.17	239.5	Pn	07:58:56.600	-0.1	T__			15313542	FDSN	IR	--	ISC	iLoc	???	???	_	
BOJS	1.17	239.5	Sn	07:59:11.800	-1.1	T__			15313543	FDSN	IR	--	ISC	iLoc	???	???	_	
A266A	1.17	68.5	Pn	07:58:55.493	-0.5	T__		3844.5	15313544	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A266A	1.17	68.5	Pg	07:58:58.085	1.0	T__			15313545	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
(Station ML : 3.7 0																		
PDKS	1.18	268.4	Pg	07:58:55.860	-0.5	T__			15313546	FDSN	IR	--	ISC	iLoc	???	???	_	
SOKA	1.28	297.1	Pn	07:58:57.185	-1.1	T__		27.0	15313547	FDSN	IR	--	ISC	iLoc	???	???	_	
SOKA	1.28	297.1	Lg	07:59:14.999	-0.7	T__		23.5	15313548	FDSN	IR	--	ISC	iLoc	???	???	_	
BLY	1.36	165.0	Pg	07:58:59.715	-0.2	T__		1244.7	15313549	FDSN	MN	--	BUD	iLoc	BHZ	BHZ	_	
BLY	1.36	165.0	Pb	07:59:02.016	2.1	T__			15313550	FDSN	MN	--	BUD	iLoc	BHZ	???	_	
BLY	1.36	165.0	Lg	07:59:19.745	2.2	T__			15313551	FDSN	MN	--	BUD	iLoc	BHN	???	_	
(Station ML : 3.4 1																		
MORH	1.37	84.8	Pn	07:58:57.900	-0.7	T__		0.2	15313552	FDSN	IR	--	ISC	iLoc	???	???	_	
MORH	1.37	84.8	Pn	07:58:57.900	-0.7	T__			15313553	FDSN	IR	--	ISC	iLoc	???	???	_	
MORH	1.37	84.8	Pg	07:58:58.100	-2.5	T__			15313554	FDSN	IR	--	ISC	iLoc	???	???	_	
MORH	1.37	84.8	Pb	07:58:58.314	-2.2	T__			15313555	FDSN	IR	--	ISC	iLoc	???	???	_	
MORH	1.37	84.8	Sn	07:59:16.525	-0.4	T__			15313556	FDSN	IR	--	ISC	iLoc	???	???	_	
MORH	1.37	84.8	Lg	07:59:16.900	-1.6	T__			15313557	FDSN	IR	--	ISC	iLoc	???	???	_	
MORH	1.37	84.7	Pn	07:58:58.203	-0.4	T__		162.6	15313558	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
MORH	1.37	84.7	Pg	07:59:01.324	0.8	T__			15313559	FDSN	HU	--	BUD	iLoc	BHZ	???	_	
(Station ML : 2.5 0																		
EGYH	1.38	18.5	Pn	07:58:59.410	0.4	T__		1130.3	15313560	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
EGYH	1.38	18.5	Pg	07:59:01.631	0.7	T__			15313561	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
(Station ML : 3.3 1																		
A011B	1.39	339.3	Pg	07:59:01.120	0.4	T__		372.2	15313562	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A011B	1.39	339.3	Lg	07:59:17.857	-1.1	T__			15313563	FDSN	Z3	00	BUD	iLoc	HH3	???	_	
(Station ML : 2.8 0																		
ARSA	1.40	325.5	Pn	07:58:59.270	-0.3	T__		644.7	15313564	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_	
ARSA	1.40	325.5	Pg	07:59:01.197	0.7	T__			15313565	FDSN	OE	--	BUD	iLoc	BHN	???	_	
ARSA	1.40	325.5	Sn	07:59:16.732	-0.8	T__			15313566	FDSN	OE	--	BUD	iLoc	BHE	???	_	
ARSA	1.40	325.5	Pg	07:59:00.205	-0.3	T__		36.0	15313567	FDSN	IR	--	ISC	iLoc	???	???	_	
ARSA	1.40	325.5	Pb	07:59:01.900	1.4	T__		0.6	15313568	FDSN	IR	--	ISC	iLoc	???	???	_	
ARSA	1.40	325.5	Pb	07:59:01.900	1.4	T__			15313569	FDSN	IR	--	ISC	iLoc	???	???	_	
ARSA	1.40	325.5	Sn	07:59:16.600	-1.0	T__			15313570	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 3.1 0																		
BLY	1.40	165.3	Pn	07:58:59.200	-0.5	T__			15313571	FDSN	IR	--	ISC	iLoc	???	???	_	

BLY	1.40	165.3	Pg	07:59:01.813	1.2	T__			15313572	FDSN	IR	--	ISC	iLoc	??? ???	_	
BLY	1.40	165.3	Pb	07:59:02.500	1.9	T__	1.2		15313573	FDSN	IR	--	ISC	iLoc	??? ???	_	
BLY	1.40	165.3	Pb	07:59:02.500	1.9	T__			15313574	FDSN	IR	--	ISC	iLoc	??? ???	_	
BLY	1.40	165.3	Lg	07:59:19.300	0.6	T__			15313575	FDSN	IR	--	ISC	iLoc	??? ???	_	
BLY	1.40	165.3	Sg	07:59:19.900	1.2	T__			15313576	FDSN	IR	--	ISC	iLoc	??? ???	_	
BLY	1.40	165.3	Sb	07:59:20.863	2.2	T__			15313577	FDSN	IR	--	ISC	iLoc	??? ???	_	
(Station ML : 3.4 1																	
PLIT	1.44	211.7	Pn	07:59:00.470	-0.1	T__			15313578	FDSN	IR	--	ISC	iLoc	??? ???	_	
PLIT	1.44	211.7	Sn	07:59:20.160	0.3	T__			15313579	FDSN	IR	--	ISC	iLoc	??? ???	_	
A267A	1.50	55.3	Lg	07:59:25.232	1.9	T__			15313580	FDSN	Z3	00	BUD	iLoc	HHE ???	_	
LJU	1.50	268.4	Pg	07:59:01.600	-0.2	T__			15313581	FDSN	IR	--	ISC	iLoc	??? ???	_	
LJU	1.50	268.4	Lg	07:59:21.800	-3.0	T__			15313582	FDSN	IR	--	ISC	iLoc	??? ???	_	
OBKA	1.53	286.0	Pg	07:59:02.200	-0.3	T__	0.4		15313583	FDSN	IR	--	ISC	iLoc	??? ???	_	
OBKA	1.53	286.0	Pg	07:59:02.200	-0.3	T__			15313584	FDSN	IR	--	ISC	iLoc	??? ???	_	
OBKA	1.53	286.0	Sn	07:59:20.666	-1.2	T__	52.9	0.28	15313585	FDSN	IR	--	ISC	iLoc	??? ???	_	
OBKA	1.53	286.0	Pn	07:59:00.779	-1.2	T__	418.7		15313586	FDSN	OE	--	BUD	iLoc	BHZ BHZ	_	
OBKA	1.53	286.0	Pg	07:59:02.330	-0.2	T__			15313587	FDSN	OE	--	BUD	iLoc	BHZ ???	_	
(Station ML : 3.0 0																	
HU08A	1.57	32.3	Pn	07:59:01.651	-0.0	T__	757.6		15313588	FDSN	ZJ	00	BUD	iLoc	HHZ HHZ	_	
HU08A	1.57	32.3	Lg	07:59:28.227	2.4	T__			15313589	FDSN	ZJ	00	BUD	iLoc	HHE ???	_	
(Station ML : 3.3 1																	
SOP	1.58	356.9	Pg	07:59:04.013	-0.4	T__	353.8		15313590	FDSN	HU	--	BUD	iLoc	BHZ BHZ	_	
SOP	1.58	356.9	Pg	07:59:04.900	0.5	T__	0.4		15313591	FDSN	IR	--	ISC	iLoc	??? ???	_	
SOP	1.58	356.9	Pg	07:59:04.900	0.5	T__			15313592	FDSN	IR	--	ISC	iLoc	??? ???	_	
SOP	1.58	356.9	Lg	07:59:24.953	0.1	T__			15313593	FDSN	HU	--	BUD	iLoc	BHE ???	_	
(Station ML : 2.9 0																	
RONA	1.62	350.6	Pn	07:59:02.268	-0.3	T__	3.2	0.14	15313594	FDSN	IR	--	ISC	iLoc	??? ???	_	
RONA	1.62	350.6	Sn	07:59:21.471	-1.6	T__	53.3	0.42	15313595	FDSN	IR	--	ISC	iLoc	??? ???	_	
CEY	1.62	257.7	Pg	07:59:04.400	0.7	T__			15313596	FDSN	IR	--	ISC	iLoc	??? ???	_	
CEY	1.62	257.7	Lg	07:59:25.600	-2.5	T__			15313597	FDSN	IR	--	ISC	iLoc	??? ???	_	
A050A	1.63	183.9	Pn	07:59:03.300	-0.0	T__			15313598	FDSN	IR	--	ISC	iLoc	??? ???	_	
A050A	1.63	183.9	Sn	07:59:25.200	0.2	T__			15313599	FDSN	IR	--	ISC	iLoc	??? ???	_	
A012A	1.68	333.7	Pg	07:59:05.764	-0.2	T__	494.8		15313600	FDSN	Z3	00	BUD	iLoc	HHZ HHZ	_	
(Station ML : 3.1 0																	
DOB	1.70	143.5	Pg	07:59:05.100	-1.1	T__			15313601	FDSN	IR	--	ISC	iLoc	??? ???	_	
DOB	1.70	143.5	Lg	07:59:27.000	-0.5	T__			15313602	FDSN	IR	--	ISC	iLoc	??? ???	_	
A272A	1.70	67.2	Pg	07:59:08.222	1.3	T__	1543.6		15313603	FDSN	Z3	00	BUD	iLoc	HHZ HHZ	_	
(Station ML : 3.6 1																	
UDBI	1.71	202.7	Pn	07:59:04.640	0.2	T__			15313604	FDSN	IR	--	ISC	iLoc	??? ???	_	
UDBI	1.71	202.7	Lg	07:59:29.560	-0.1	T__			15313605	FDSN	IR	--	ISC	iLoc	??? ???	_	
A271A	1.81	53.9	Pn	07:59:04.549	-0.3	T__	726.6		15313606	FDSN	Z3	00	BUD	iLoc	HHZ HHZ	_	
A271A	1.81	53.9	Pg	07:59:09.434	0.4	T__			15313607	FDSN	Z3	00	BUD	iLoc	HHZ ???	_	
A271A	1.81	53.9	Lg	07:59:34.938	1.2	T__			15313608	FDSN	Z3	00	BUD	iLoc	HHN ???	_	
(Station ML : 3.4 1																	
CONA	1.91	343.1	Pn	07:59:06.315	-0.4	T__	241.4		15313609	FDSN	OE	--	BUD	iLoc	BHZ BHZ	_	
CONA	1.91	343.1	Sn	07:59:30.626	0.1	T__			15313610	FDSN	OE	--	BUD	iLoc	BHE ???	_	
CONA	1.91	343.1	Lg	07:59:36.726	1.8	T__			15313611	FDSN	OE	--	BUD	iLoc	BHN ???	_	
CONA	1.91	343.1	Pn	07:59:07.342	0.6	T__	1.6	0.20	15313612	FDSN	IR	--	ISC	iLoc	??? ???	_	
CONA	1.91	343.1	Pg	07:59:11.500	1.2	T__	0.2		15313613	FDSN	IR	--	ISC	iLoc	??? ???	_	
CONA	1.91	343.1	Pg	07:59:11.500	1.2	T__			15313614	FDSN	IR	--	ISC	iLoc	??? ???	_	
CONA	1.91	343.1	Sn	07:59:30.088	-0.4	T__	30.5	0.46	15313615	FDSN	IR	--	ISC	iLoc	??? ???	_	
(Station ML : 2.9 0																	
SKDS	1.95	254.2	Pn	07:59:06.900	-0.3	T__			15313616	FDSN	IR	--	ISC	iLoc	??? ???	_	

SKDS	1.95	254.2	Sn	07:59:31.200	-0.8	T__				15313617	FDSN	IR	--	ISC	iLoc	???	???	_	
SRO	2.04	32.6	Pn	07:59:08.810	0.8	T__	2466.8		MLv	15313618	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_	
SRO	2.04	32.6	Pg	07:59:14.321	1.2	T__				15313619	FDSN	SK	--	BUD	iLoc	EHE	???	_	
SRO	2.04	32.6	Sn	07:59:34.423	0.7	T__				15313620	FDSN	SK	--	BUD	iLoc	EHE	???	_	
SRO	2.04	32.6	Pg	07:59:13.700	0.6	T__	2.5			15313621	FDSN	IR	--	ISC	iLoc	???	???	_	
SRO	2.04	32.6	Pg	07:59:13.700	0.6	T__				15313622	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 4.0 0)																			
ZST	2.11	7.6	Pn	07:59:09.023	-0.2	T__				15313623	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KIJV	2.11	185.5	Pn	07:59:10.760	0.8	T__				15313624	FDSN	IR	--	ISC	iLoc	???	???	_	
KIJV	2.11	185.5	Pn	07:59:10.800	0.8	T__				15313625	FDSN	IR	--	ISC	iLoc	???	???	_	
KIJV	2.11	185.5	Sn	07:59:37.300	0.2	T__				15313626	FDSN	IR	--	ISC	iLoc	???	???	_	
BUD	2.12	48.6	Pn	07:59:08.809	-0.3	T__	295.9		MLv	15313627	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
BUD	2.12	48.6	Pg	07:59:15.400	0.6	T__	0.3			15313628	FDSN	IR	--	ISC	iLoc	???	???	_	
BUD	2.12	48.6	Pg	07:59:15.400	0.6	T__				15313629	FDSN	IR	--	ISC	iLoc	???	???	_	
BUD	2.12	48.6	Pg	07:59:15.500	0.7	T__	295.2		MLv	15313630	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
BUD	2.12	48.6	Sn	07:59:33.598	-2.2	T__				15313631	FDSN	HU	--	BUD	iLoc	BHE	???	_	
(Station ML : 3.1 0)																			
HU21A	2.13	82.8	Pg	07:59:16.283	1.6	T__	503.3		MLv	15313632	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
(Station ML : 3.4 1)																			
VIRC	2.15	213.0	Pn	07:59:11.330	1.1	T__				15313633	FDSN	IR	--	ISC	iLoc	???	???	_	
VIRC	2.15	213.0	Sn	07:59:38.020	0.5	T__				15313634	FDSN	IR	--	ISC	iLoc	???	???	_	
MYKA	2.17	285.0	Pn	07:59:10.375	-0.5	T__	3.6	0.28		15313635	FDSN	IR	--	ISC	iLoc	???	???	_	
MYKA	2.17	285.0	Lg	07:59:44.117	1.3	T__	21.3	0.44		15313636	FDSN	IR	--	ISC	iLoc	???	???	_	
A338A	2.22	30.2	Pg	07:59:17.691	1.0	T__	438.8		MLv	15313637	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A338A	2.22	30.2	Sn	07:59:37.657	-0.6	T__				15313638	FDSN	Z3	00	BUD	iLoc	HH2	???	_	
(Station ML : 3.4 1)																			
MORI	2.35	197.6	Pn	07:59:14.190	1.0	T__				15313639	FDSN	IR	--	ISC	iLoc	???	???	_	
MORI	2.35	197.6	Sn	07:59:43.400	0.3	T__				15313640	FDSN	IR	--	ISC	iLoc	???	???	_	
HU10A	2.36	41.7	Pg	07:59:18.782	-0.6	T__	389.9		MLv	15313641	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
(Station ML : 3.4 1)																			
BRJN	2.39	240.8	Pn	07:59:14.000	0.8	T__				15313642	FDSN	IR	--	ISC	iLoc	???	???	_	
BRJN	2.39	240.8	Sn	07:59:43.800	0.7	T__				15313643	FDSN	IR	--	ISC	iLoc	???	???	_	
FRGS	2.39	112.3	Pn	07:59:12.800	-0.2	T__				15313644	FDSN	IR	--	ISC	iLoc	???	???	_	
FRGS	2.39	112.3	Sn	07:59:42.900	0.5	T__				15313645	FDSN	IR	--	ISC	iLoc	???	???	_	
MOA	2.40	317.3	Pn	07:59:13.900	0.1	T__				15313646	FDSN	IR	--	ISC	iLoc	???	???	_	
MOA	2.40	317.3	Pg	07:59:14.143	-4.1	T__	1.3	0.18		15313647	FDSN	IR	--	ISC	iLoc	???	???	_	
MOA	2.40	317.3	Sn	07:59:39.880	-2.9	T__	14.4	0.42		15313648	FDSN	IR	--	ISC	iLoc	???	???	_	
MOA	2.40	317.3	Lg	07:59:41.900	-8.1	T__				15313649	FDSN	IR	--	ISC	iLoc	???	???	_	
DUGI	2.41	209.2	Pn	07:59:15.340	1.4	T__				15313650	FDSN	IR	--	ISC	iLoc	???	???	_	
DUGI	2.41	209.2	Sn	07:59:43.930	-0.7	T__				15313651	FDSN	IR	--	ISC	iLoc	???	???	_	
FRGS	2.41	112.6	Pn	07:59:13.077	-0.4	T__	439.9		MLv	15313652	FDSN	SJ	--	BUD	iLoc	HHZ	HHZ	_	
FRGS	2.41	112.6	Pg	07:59:20.836	2.0	T__				15313653	FDSN	SJ	--	BUD	iLoc	HHE	???	_	
(Station ML : 3.5 1)																			
KBA	2.50	294.1	Pn	07:59:16.129	0.3	T__	16.4	0.46		15313654	FDSN	IR	--	ISC	iLoc	???	???	_	
KBA	2.50	294.1	Pg	07:59:21.349	2.0	T__	11.0	0.28		15313655	FDSN	IR	--	ISC	iLoc	???	???	_	
KBA	2.50	294.1	Sn	07:59:45.200	-1.0	T__	8.2	0.42		15313656	FDSN	IR	--	ISC	iLoc	???	???	_	
KBA	2.50	294.1	Lg	07:59:56.044	2.2	T__	20.7	0.46		15313657	FDSN	IR	--	ISC	iLoc	???	???	_	
TEKS	2.54	126.8	Pn	07:59:15.100	-0.1	T__				15313658	FDSN	IR	--	ISC	iLoc	???	???	_	
ZIRJ	2.56	197.2	Pn	07:59:17.150	0.9	T__				15313659	FDSN	IR	--	ISC	iLoc	???	???	_	
ZIRJ	2.56	197.2	Sn	07:59:48.370	-0.4	T__				15313660	FDSN	IR	--	ISC	iLoc	???	???	_	
A335A	2.60	25.0	Pn	07:59:16.002	0.1	T__	243.2		MLv	15313661	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
(Station ML : 3.3 1)																			
BIOA	2.62	308.3	Pn	07:59:17.271	0.2	T__	8.4	0.28		15313662	FDSN	IR	--	ISC	iLoc	???	???	_	

BIOA	2.62	308.3	Sn	07:59:44.929	-3.2	T__	26.1	0.38	---	15313663	FDSN	IR	--	ISC	iLoc	???	???	_
RICI	2.63	172.9	Pn	07:59:18.390	1.2	T__			---	15313664	FDSN	IR	--	ISC	iLoc	???	???	_
RICI	2.63	172.9	Sn	07:59:52.660	2.8	T__			---	15313665	FDSN	IR	--	ISC	iLoc	???	???	_
A336A	2.65	35.7	Pn	07:59:16.917	0.4	T__	209.5		---	15313666	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A336A	2.65	35.7	Sn	07:59:48.222	-0.7	T__			---	15313667	FDSN	Z3	00	BUD	iLoc	HH3	???	_
(Station ML : 3.3 1																		
HU03A	2.68	46.9	Pn	07:59:17.262	0.3	T__	268.1		---	15313668	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU03A	2.68	46.9	Pg	07:59:24.197	-1.7	T__			---	15313669	FDSN	ZJ	00	BUD	iLoc	HHZ	???	_
HU03A	2.68	46.9	Lg	08:00:05.303	2.7	T__			---	15313670	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 3.4 1																		
VYHS	2.80	30.7	Pn	07:59:18.450	-0.3	T__	247.8		---	15313671	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	2.80	30.7	Sn	07:59:50.342	-2.6	T__			---	15313672	FDSN	SK	--	BUD	iLoc	HHN	???	_
VYHS	2.80	30.7	Pg	07:59:23.600	-4.2	T__		0.2	---	15313673	FDSN	IR	--	ISC	iLoc	???	???	_
VYHS	2.80	30.7	Pg	07:59:23.600	-4.2	T__			---	15313674	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 3.5 1																		
JAVC	2.83	13.3	Pn	07:59:19.843	0.4	T__			---	15313675	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
PSZ	2.85	49.3	Pn	07:59:18.192	-1.3	T__	191.3		---	15313676	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	2.85	49.3	Pg	07:59:26.647	-2.8	T__			---	15313677	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	2.85	49.3	Sn	07:59:51.849	-2.3	T__			---	15313678	FDSN	GE	--	BUD	iLoc	BHN	???	_
PSZ	2.85	49.3	Pg	07:59:29.300	-0.2	T__			---	15313679	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 3.4 1																		
ABTA	2.96	284.0	Pn	07:59:21.824	0.0	T__	3.4	0.28	---	15313680	FDSN	IR	--	ISC	iLoc	???	???	_
ABTA	2.96	284.0	Lg	08:00:12.194	4.7	T__	9.8	0.38	---	15313681	FDSN	IR	--	ISC	iLoc	???	???	_
BBLs	2.96	138.3	Pn	07:59:23.600	2.2	T__	0.7		---	15313682	FDSN	IR	--	ISC	iLoc	???	???	_
BBLs	2.96	138.3	Pn	07:59:23.600	2.2	T__			---	15313683	FDSN	IR	--	ISC	iLoc	???	???	_
BBLs	2.96	138.3	Sn	07:59:56.800	0.7	T__			---	15313684	FDSN	IR	--	ISC	iLoc	???	???	_
BBLs	2.96	138.2	Pn	07:59:21.899	0.7	T__	732.9		---	15313685	FDSN	SJ	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 4.0 0																		
KRUC	2.96	356.3	Pn	07:59:20.600	-0.5	T__			---	15313686	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	2.96	356.3	Sn	07:59:53.200	-2.9	T__			---	15313687	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	2.96	356.3	Pn	07:59:20.706	-0.4	T__			---	15313688	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	2.96	356.3	Sn	07:59:54.033	-2.1	T__			---	15313689	FDSN	CZ	--	BUD	iLoc	BHN	???	_
AVAS	3.04	116.3	Pn	07:59:21.300	-0.9	T__			---	15313690	FDSN	IR	--	ISC	iLoc	???	???	_
LESA	3.05	297.0	Pn	07:59:23.295	-0.1	T__	7.0	0.30	---	15313691	FDSN	IR	--	ISC	iLoc	???	???	_
LESA	3.05	297.0	Pg	07:59:31.141	1.9	T__	7.6	0.34	---	15313692	FDSN	IR	--	ISC	iLoc	???	???	_
LESA	3.05	297.0	Sn	08:00:01.135	2.1	T__	3.6	0.24	---	15313693	FDSN	IR	--	ISC	iLoc	???	???	_
DIVS	3.08	129.4	Pn	07:59:22.400	-0.7	T__			---	15313694	FDSN	IR	--	ISC	iLoc	???	???	_
RUDD	3.14	141.6	Pn	07:59:24.000	0.2	T__			---	15313695	FDSN	IR	--	ISC	iLoc	???	???	_
RUDD	3.14	141.6	Sn	07:59:59.700	-0.6	T__			---	15313696	FDSN	IR	--	ISC	iLoc	???	???	_
RUDD	3.14	141.6	Lg	08:00:01.900	-12.1	T__			---	15313697	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	3.20	358.9	Sn	07:59:58.100	-4.0	T__			---	15313698	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	3.20	358.9	Pn	07:59:23.962	-0.5	T__			---	15313699	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	3.20	358.9	Sn	08:00:00.143	-2.0	T__			---	15313700	FDSN	CZ	--	BUD	iLoc	BHN	???	_
KLINJ	3.24	154.5	Pn	07:59:26.000	0.3	T__			---	15313701	FDSN	IR	--	ISC	iLoc	???	???	_
KLINJ	3.24	154.5	Sn	08:00:04.400	0.2	T__			---	15313702	FDSN	IR	--	ISC	iLoc	???	???	_
TRUS	3.24	124.3	Pn	07:59:24.900	0.0	T__			---	15313703	FDSN	IR	--	ISC	iLoc	???	???	_
STON	3.32	167.0	Pn	07:59:27.400	0.8	T__			---	15313704	FDSN	IR	--	ISC	iLoc	???	???	_
STON	3.32	167.0	Pg	07:59:27.700	-6.0	T__			---	15313705	FDSN	IR	--	ISC	iLoc	???	???	_
STON	3.32	167.0	Pb	07:59:28.510	-5.2	T__			---	15313706	FDSN	IR	--	ISC	iLoc	???	???	_
STON	3.32	167.0	Sn	08:00:06.200	-0.6	T__			---	15313707	FDSN	IR	--	ISC	iLoc	???	???	_
STON	3.32	167.0	Lg	08:00:07.740	-6.9	T__			---	15313708	FDSN	IR	--	ISC	iLoc	???	???	_
LSTV	3.34	177.4	Pn	07:59:27.940	0.7	T__			---	15313709	FDSN	IR	--	ISC	iLoc	???	???	_
LSTV	3.34	177.4	Sn	08:00:08.030	-0.3	T__			---	15313710	FDSN	IR	--	ISC	iLoc	???	???	_

VRSS	3.40	105.2	Pn	07:59:26.700	-0.5	T__			15313711	FDSN	IR	--	ISC	iLoc	???	???	_
VRSS	3.40	105.2	Sn	08:00:06.000	-1.1	T__			15313712	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	3.46	85.6	Pn	07:59:28.239	0.3	T__			15313713	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	3.46	85.6	Pg	07:59:39.700	-0.4	T__			15313714	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	3.46	85.6	Pg	07:59:40.067	-0.1	T__	65.6	MLv	15313715	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	3.46	85.6	Lg	08:00:27.244	1.5	T__			15313716	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 3.2 1																	
BZS	3.48	96.3	Pn	07:59:27.700	-0.6	T__			15313717	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	3.48	96.3	Pg	07:59:28.023	-11.0	---			15313718	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	3.48	96.3	Pb	07:59:40.700	1.7	T__			15313719	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	3.50	96.3	Pn	07:59:27.828	-0.7	T__	51.6	MLv	15313720	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 3.2 1																	
IVAS	3.53	134.5	Pn	07:59:28.900	-0.5	T__			15313721	FDSN	IR	--	ISC	iLoc	???	???	_
IVAS	3.53	134.5	Sn	08:00:09.000	-1.1	T__			15313722	FDSN	IR	--	ISC	iLoc	???	???	_
LANS	3.58	30.7	Pg	07:59:45.600	2.9	T__			15313723	FDSN	IR	--	ISC	iLoc	???	???	_
TREB	3.59	160.0	Pn	07:59:31.000	0.4	T__			15313724	FDSN	IR	--	ISC	iLoc	???	???	_
TREB	3.59	160.0	Pg	07:59:31.400	-6.6	---			15313725	FDSN	IR	--	ISC	iLoc	???	???	_
TREB	3.59	160.0	Sn	08:00:12.800	-0.8	T__			15313726	FDSN	IR	--	ISC	iLoc	???	???	_
DBRK	3.59	162.5	Pn	07:59:31.950	1.3	T__			15313727	FDSN	IR	--	ISC	iLoc	???	???	_
DBRK	3.59	162.5	Sn	08:00:15.190	1.2	T__			15313728	FDSN	IR	--	ISC	iLoc	???	???	_
GRUS	3.62	126.4	Pn	07:59:30.600	0.3	T__			15313729	FDSN	IR	--	ISC	iLoc	???	???	_
WTTA	3.66	290.2	Pn	07:59:32.698	0.8	T__	1.4	0.20	15313730	FDSN	IR	--	ISC	iLoc	???	???	_
WTTA	3.66	290.2	Lg	08:00:33.930	4.4	T__	4.0	0.38	15313731	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	3.68	326.3	Pn	07:59:31.900	0.8	T__			15313732	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	3.68	326.3	Sn	08:00:13.000	-1.6	T__			15313733	FDSN	IR	--	ISC	iLoc	???	???	_
SJES	3.69	139.3	Pn	07:59:32.000	0.2	T__			15313734	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	3.72	8.6	Pn	07:59:31.903	0.3	T__			15313735	FDSN	CZ	--	BUD	iLoc	BHN	???	_
MORC	3.72	8.6	Sn	08:00:13.765	-1.8	T__			15313736	FDSN	CZ	--	BUD	iLoc	BHN	???	_
MORC	3.72	8.6	Pn	07:59:31.700	0.1	T__			15313737	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	3.72	8.6	Sn	08:00:14.205	-1.3	T__			15313738	FDSN	IR	--	ISC	iLoc	???	???	_
WATA	3.72	291.1	Pn	07:59:33.292	0.7	T__	0.6	0.12	15313739	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	3.78	108.7	Pn	07:59:32.556	-0.1	T__			15313740	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	3.80	53.2	Pn	07:59:32.187	-0.2	T__	64.2	MLv	15313741	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	3.80	53.2	Pg	07:59:46.822	-0.6	T__			15313742	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	3.80	53.2	Sn	08:00:15.467	-0.9	T__			15313743	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 3.4 1																	
SURR	3.81	93.4	Pn	07:59:32.575	-0.3	T__			15313744	FDSN	IR	--	ISC	iLoc	???	???	_
STEB	3.90	10.4	Pn	07:59:33.700	-0.3	T__			15313745	FDSN	IR	--	ISC	iLoc	???	???	_
GOCS	3.92	129.0	Pn	07:59:34.700	-0.1	T__			15313746	FDSN	IR	--	ISC	iLoc	???	???	_
GOCS	3.92	129.0	Sn	08:00:18.800	-0.8	T__			15313747	FDSN	IR	--	ISC	iLoc	???	???	_
SQTA	3.93	288.4	Pg	07:59:47.071	3.5	T__	4.3	0.34	15313748	FDSN	IR	--	ISC	iLoc	???	???	_
SQTA	3.93	288.4	Lg	08:00:43.858	7.1	---	1.4	0.18	15313749	FDSN	IR	--	ISC	iLoc	???	???	_
KRLC	3.97	0.9	Pn	07:59:35.300	-0.0	T__			15313750	FDSN	IR	--	ISC	iLoc	???	???	_
MOTA	4.03	289.9	Pg	07:59:50.127	4.4	---	1.5	0.34	15313751	FDSN	IR	--	ISC	iLoc	???	???	_
MOTA	4.03	289.9	Sn	08:00:21.353	-1.3	T__	3.0	0.30	15313752	FDSN	IR	--	ISC	iLoc	???	???	_
MOTA	4.03	289.9	Lg	08:00:47.085	6.5	T__	4.4	0.32	15313753	FDSN	IR	--	ISC	iLoc	???	???	_
FETA	4.21	284.7	Pn	07:59:39.882	0.3	T__	0.4	0.36	15313754	FDSN	IR	--	ISC	iLoc	???	???	_
FETA	4.21	284.7	Lg	08:00:49.961	3.8	T__	5.9	0.80	15313755	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	4.21	104.9	Pn	07:59:38.755	0.2	T__			15313756	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	4.22	78.5	Pn	07:59:37.100	-1.6	T__			15313757	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	4.22	78.5	Pg	07:59:37.996	-17.3	---			15313758	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	4.22	78.5	Sn	08:00:25.100	-2.0	T__	0.0		15313759	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	4.22	78.5	Pn	07:59:38.193	-0.5	T__	47.9	MLv	15313760	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_

(Station ML : 3.3 1																						
SELS 4.28 130.8 Pn	07:59:39.900	0.2	T__											15313761	FDSN	IR	--	ISC	iLoc	???	???	_
GZR 4.32 97.3 Pn	07:59:38.900	-1.5	T__											15313762	FDSN	IR	--	ISC	iLoc	???	???	_
GZR 4.32 97.3 Pn	07:59:40.017	-0.4	T__						28.9			MLv		15313763	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR 4.32 97.3 Pn	07:59:42.700	2.3	T__						0.0					15313764	FDSN	IR	--	ISC	iLoc	???	???	_
GZR 4.32 97.3 Pn	07:59:42.700	2.3	T__											15313765	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 3.1 0																						
BOVS 4.34 122.9 Pn	07:59:40.100	-0.2	T__											15313766	FDSN	IR	--	ISC	iLoc	???	???	_
BOVS 4.34 122.9 Pg	07:59:40.598	-11.5	---											15313767	FDSN	IR	--	ISC	iLoc	???	???	_
MARR 4.49 80.4 Pn	07:59:41.706	-0.9	T__											15313768	FDSN	IR	--	ISC	iLoc	???	???	_
ZAGS 4.56 118.2 Pn	07:59:42.900	-0.3	T__											15313769	FDSN	IR	--	ISC	iLoc	???	???	_
DAVA 4.83 286.6 Pn	07:59:45.939	-2.2	T__						1.1	0.36				15313770	FDSN	IR	--	ISC	iLoc	???	???	_
DAVA 4.83 286.6 Lg	08:01:09.603	3.6	T__						2.7	0.26				15313771	FDSN	IR	--	ISC	iLoc	???	???	_
BARS 4.93 130.0 Pn	07:59:48.300	-0.4	T__											15313772	FDSN	IR	--	ISC	iLoc	???	???	_
ZAPS 5.10 121.6 Pn	07:59:50.600	-0.3	T__											15313773	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/08/31	08:18:30.00		0.20	46.1160	16.6170				9.6A							a	ke LJU	15278486	ISC			360
2019/08/31	08:18:30.50	0.34		46.0940	16.6980	0.0	0.0		4.9F	3.4	14			0.38	1.61	a	ke RHSSO	15278493	ISC			360
2019/08/31	08:18:30.18	0.66	0.38	46.1600	16.6033	4.3	2.5	98	6.3F	6.9	19		2	1.20	1.55	a	ke VIE	15278489	ISC			360
2019/08/31	08:18:29.79	0.66	0.70	46.1103	16.6359	3.0	2.7	153	5.0F	7.6	53	25	72	0.13	1.63	m	ke BUD	15313309	iLoc			78

Magnitude	Err	Nsta	Author	OrigID
ML	1.5		LJU	15278486
ML	1.7		RHSSO	15278493
mb	1.4		VIE	15278489
m1	1.7		VIE	15278489
ML	2.0	0.3	8 ILOC	15313309

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
KALN	0.13	279.5	Pg	08:18:32.670	-0.2					T__						15313311	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.13	279.5	Lg	08:18:34.990	-0.3					T__						15313312	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.37	15.0	Pg	08:18:37.302	-0.2					T__		177.7			MLv	15313313	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BEHE	0.37	15.0	Lg	08:18:43.178	0.4					T__						15313314	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.6 1																								
LOBO	0.40	276.7	Pg	08:18:37.240	-0.5					T__						15313315	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.40	276.7	Lg	08:18:43.310	0.0					T__						15313316	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.43	321.8	Pg	08:18:38.350	-0.1					T__						15313317	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.43	321.8	IAML	08:18:45.700	-99.0					---		15.5	0.09			15313318	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.43	321.8	Pg	08:18:38.170	-0.2					T__		670.3			MLv	15313319	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.43	321.8	Lg	08:18:44.380	0.2					T__						15313320	FDSN	SL	--	BUD	iLoc	BHE	???	_
(Station ML : 2.3 1																								
A264A	0.46	83.6	Pg	08:18:39.128	-0.0					T__		316.4			MLv	15313321	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A264A	0.46	83.6	Lg	08:18:46.452	1.1					T__						15313322	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 2.1 1																								
MOSL	0.50	170.5	Pg	08:18:39.700	-0.3					T__						15313323	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.50	170.5	Pb	08:18:40.080	0.1					T__						15313324	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.50	170.5	Lg	08:18:45.900	-0.9					T__						15313325	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.50	170.5	Sg	08:18:46.790	0.0					T__						15313326	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.51	246.7	Pg	08:18:39.906	0.1					T__		198.3			MLv	15313327	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.51	246.7	Lg	08:18:47.151	0.3					T__						15313328	FDSN	CR	--	BUD	iLoc	BHN	???	_

PTJ	0.51	246.6	Pg	08:18:40.050	-0.1	T__	---	15313329	FDSN	IR	--	ISC	iLoc	???	???	_	
PTJ	0.51	246.6	Lg	08:18:47.720	0.2	T__	---	15313330	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 2.0 1																	
ZAG	0.53	238.2	Lg	08:18:49.080	1.4	T__	---	15313331	FDSN	IR	--	ISC	iLoc	???	???	_	
ZAG	0.53	238.2	Lg	08:18:48.968	1.3	T__	---	15313332	FDSN	CR	--	BUD	iLoc	BHN	???	_	
A263A	0.71	41.3	Pg	08:18:43.917	-0.1	T__	536.5	MLv	15313333	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A263A	0.71	41.3	Lg	08:18:54.216	0.6	T__	---	15313334	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
(Station ML : 2.6 0																	
GOLS	0.71	262.3	Pg	08:18:43.990	0.3	T__	---	15313335	FDSN	IR	--	ISC	iLoc	???	???	_	
GCIS	0.74	251.3	Pg	08:18:44.440	0.2	T__	---	15313336	FDSN	IR	--	ISC	iLoc	???	???	_	
GCIS	0.74	251.3	Lg	08:18:55.010	0.2	T__	---	15313337	FDSN	IR	--	ISC	iLoc	???	???	_	
GCIS	0.74	251.3	IAML	08:18:57.350	-99.0	---	5.3	0.10	15313338	FDSN	IR	--	ISC	iLoc	???	???	_
A262A	0.76	354.4	Sn	08:18:56.358	-1.4	---	---	---	15313339	FDSN	Z3	00	BUD	iLoc	HHE	???	_
DOBS	0.81	273.2	Pg	08:18:45.160	-0.3	T__	---	15313340	FDSN	IR	--	ISC	iLoc	???	???	_	
CRES	0.87	251.3	Pg	08:18:46.823	0.3	T__	218.5	MLv	15313341	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.87	251.3	Lg	08:18:58.754	-0.5	T__	---	15313342	FDSN	SL	--	BUD	iLoc	BHN	???	_	
(Station ML : 2.3 1																	
OZLJ	0.95	239.2	Pg	08:18:48.200	0.3	T__	---	15313343	FDSN	IR	--	ISC	iLoc	???	???	_	
OZLJ	0.95	239.2	Lg	08:19:02.000	0.2	T__	---	15313344	FDSN	IR	--	ISC	iLoc	???	???	_	
KOVH	1.02	90.7	Pn	08:18:48.038	-1.5	T__	69.6	MLv	15313345	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	1.02	90.7	Lg	08:19:02.837	-0.2	T__	---	15313346	FDSN	HU	--	BUD	iLoc	BHZ	???	_	
(Station ML : 1.9 1																	
A051A	1.11	170.1	Pg	08:18:50.400	-0.8	T__	---	15313347	FDSN	IR	--	ISC	iLoc	???	???	_	
A051A	1.11	170.1	Lg	08:19:05.000	-0.9	T__	---	15313348	FDSN	IR	--	ISC	iLoc	???	???	_	
SOKA	1.25	297.7	Pn	08:18:53.453	-0.0	T__	1.6	0.24	15313349	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	1.25	297.7	Lg	08:19:10.009	-0.1	T__	1.5	0.30	15313350	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.37	326.5	Sn	08:19:11.973	-0.7	T__	---	15313351	FDSN	OE	--	BUD	iLoc	BHE	???	_	
ARSA	1.37	326.5	Pg	08:18:55.900	0.3	T__	0.1	0.08	15313352	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.37	326.5	Lg	08:19:13.358	-0.2	T__	1.8	0.20	15313353	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	1.38	163.6	Lg	08:19:16.191	2.8	T__	---	15313354	FDSN	MN	--	BUD	iLoc	BHN	???	_	
MORH	1.40	85.0	Pn	08:18:54.600	-0.0	T__	---	15313355	FDSN	IR	--	ISC	iLoc	???	???	_	
MORH	1.40	85.0	Sn	08:19:13.800	0.4	T__	---	15313356	FDSN	IR	--	ISC	iLoc	???	???	_	
MORH	1.40	85.0	Pg	08:18:56.340	-0.3	T__	8.4	MLv	15313357	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.40	85.0	Lg	08:19:14.764	-0.2	T__	---	15313358	FDSN	HU	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.2 0																	
BLY	1.42	164.0	Pn	08:18:55.500	0.0	T__	---	15313359	FDSN	IR	--	ISC	iLoc	???	???	_	
BLY	1.42	164.0	Sn	08:19:14.800	0.6	T__	---	15313360	FDSN	IR	--	ISC	iLoc	???	???	_	
OBKA	1.50	286.2	Lg	08:19:18.116	-0.1	T__	2.0	0.28	15313361	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.61	351.8	Pn	08:18:58.451	0.4	T__	0.6	0.30	15313362	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.61	351.8	Lg	08:19:20.118	-1.2	T__	1.6	0.26	15313363	FDSN	IR	--	ISC	iLoc	???	???	_
A050A	1.63	182.6	Pn	08:18:59.200	0.3	T__	---	15313364	FDSN	IR	--	ISC	iLoc	???	???	_	
A050A	1.63	182.6	Sn	08:19:20.400	-0.3	T__	---	15313365	FDSN	IR	--	ISC	iLoc	???	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/08/31	08:47:43.69	4.23	1.28	47.6221	20.1486	29.7	15.9	9	16.1F	18.3	6	3	342	0.07	0.14	m	ke	BUD	15313408	iLoc		359

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.5	3 ILOC	15313408

Sta	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	0.07	76.1	Pg	08:47:46.867	-0.3					T__		517.9		---	MLv	15313410	FDSN	ZJ	00	BUD	iLoc	HHN	HHZ	_

HU23A	0.07	76.1	Lg	08:47:51.124	1.4	T__								15313411	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.2 1																						
TENKA	0.14	76.5	Pg	08:47:48.188	0.2	T__				1877.4		MLv		15313412	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.14	76.5	Lg	08:47:50.256	-0.8	T__								15313413	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 2.0 1																						
ATAN2	0.14	93.9	Pg	08:47:48.228	0.2	T__				3921.6		MLv		15313414	FDSN	HU	--	BUD	iLoc	HHE	HHZ	_
ATAN2	0.14	93.9	Lg	08:47:50.379	-0.7	T__								15313415	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/08/31	13:50:04.39	4.16	0.02	47.6483	20.3843	15.4	7.7	64	13.9F	16.2	6	3	284	0.03	0.09	m	ke BUD	15313429	iLoc			340

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.4	3 ILOC	15313429

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TENKA	0.03	283.7	Pg	13:50:07.189	0.0					T__		868.2			MLv	15313431	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.03	283.7	Lg	13:50:09.263	-0.0					T__						15313432	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.3 1																								
ATAN2	0.04	208.1	Pg	13:50:07.272	-0.0					T__		2436.7			MLv	15313433	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN2	0.04	208.1	Lg	13:50:09.466	0.0					T__						15313434	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.8 1																								
HU23A	0.09	264.2	Pg	13:50:07.792	0.0					T__		297.3			MLv	15313435	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.09	264.2	Lg	13:50:10.280	-0.0					T__						15313436	FDSN	ZJ	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		
2019/08/31	16:53:56.71	4.17	0.02	47.6443	20.3788	13.9	7.2	68	13.8F	16.6	6	3	270	0.02	0.09	m	ke BUD	15314067	iLoc					330

Magnitude	Err	Nsta	Author	OrigID
ML	1.1	0.3	3 ILOC	15314067

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TENKA	0.02	295.7	Pg	16:53:59.477	0.0					T__		561.9			MLv	15314069	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.02	295.7	Lg	16:54:01.544	-0.0					T__						15314070	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.1 1																								
ATAN2	0.04	205.8	Pg	16:53:59.540	-0.0					T__		1119.5			MLv	15314071	FDSN	HU	--	BUD	iLoc	HHE	HHZ	_
ATAN2	0.04	205.8	Lg	16:54:01.683	0.0					T__						15314072	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.4 1																								
HU23A	0.09	266.6	Pg	16:54:00.047	0.0					T__		246.4			MLv	15314073	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.09	266.6	Lg	16:54:02.486	-0.0					T__						15314074	FDSN	ZJ	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		
2019/09/01	20:08:09.51	2.33	0.24	47.6516	20.3937	20.6	7.8	70	12.0A		5	3	298	0.03	0.10	m	ke BUD	15313450	iLoc					347

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
-----	------	------	-------	------	------	------	-------	------	------	-----	-----	-----	-----	------	-----------	-------	-----	--------	----	------	-----	-----	-----	---

TENKA	0.03	275.0	Pg	20:08:12.079	0.1	T__	148.1	___	MLv	15313452	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.03	275.0	Lg	20:08:13.625	-0.3	T__		___		15313453	FDSN	HU	--	BUD	iLoc	HHE	???	_
ATAN2	0.05	213.0	Pg	20:08:12.108	-0.0	T__	216.3	___	MLv	15313454	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN2	0.05	213.0	Lg	20:08:14.296	0.2	T__		___		15313455	FDSN	HU	--	BUD	iLoc	HHN	???	_
HU23A	0.10	262.7	Lg	20:08:15.159	0.0	T__		___		15313456	FDSN	ZJ	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
2019/09/02	06:51:20.57	0.88	1.63	47.9118	19.3829	6.3	2.7	2	0.0S		15	7	161	0.15	0.97	m	kx BUD	15314020	iLoc			228
2019/09/02	06:51:20.39	1.39	0.74	47.9228	19.4147	5.0	2.0	88	0.0A		6		235	0.32	0.69	a	ke KRSZO	15278575	ISC			360
2019/09/02	06:51:20.69f		1.44	47.9151	19.4088f				0.0S		15		160	0.13	0.95	a	kx BUD_GT	15328471	BUD			224

(GT info : GT2 explosion)

(description : known quarry blast)

(locality : Szanda Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.2	7 BUD	15314020
ML	1.7	0.3	7 ILOC	15328471

Sta	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	95.0	Pg	06:51:24.903	1.1					T__		1618.7		___	MLv	15330398	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU03A	0.13	95.0	Lg	06:51:30.906	4.6					T__				___		15330399	FDSN	ZJ	00	BUD	BUD	HHE	???	_
(Station ML : 1.9 0)																								
HU10A	0.27	255.2	Pg	06:51:25.658	-1.0					T__		584.3		___	MLv	15330400	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU10A	0.27	255.2	Lg	06:51:31.839	0.4					T__				___		15330401	FDSN	ZJ	00	BUD	BUD	HHN	???	_
(Station ML : 1.8 1)																								
PSZ	0.33	89.2	Pg	06:51:26.605	-1.5					T__		159.5		___	MLv	15330402	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.33	89.2	Pg	06:51:27.345	-0.8					T__		15.9		___		15330404	FDSN	IR	--	ISC	BUD	???	???	_
PSZ	0.33	89.2	Lg	06:51:32.845	-0.9					T__				___		15330403	FDSN	GE	--	BUD	BUD	BHN	???	_
PSZ	0.33	89.2	Lg	06:51:33.169	-0.6					T__				___		15330405	FDSN	IR	--	ISC	BUD	???	???	_
(Station ML : 1.4 1)																								
A336A	0.42	319.4	Pg	06:51:29.978	0.6					T__		237.3		___	MLv	15330406	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 1.8 1)																								
VYHS	0.69	326.7	Pn	06:51:37.135	0.3					T__		13.2		___	MLv	15330408	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
VYHS	0.69	326.7	Lg	06:51:43.813	-1.4					T__				___		15330407	FDSN	IR	--	ISC	BUD	???	???	_
(Station ML : 1.0 0)																								
HU02A	0.78	74.1	Pn	06:51:38.028	0.2					T__		44.7		___	MLv	15330409	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.78	74.1	Lg	06:51:48.024	-1.0					T__				___		15330410	FDSN	ZJ	00	BUD	BUD	HHN	???	_
(Station ML : 1.6 1)																								
JOS	0.95	52.0	Pn	06:51:40.002	-0.2					T__		41.9		___	MLv	15330411	FDSN	ZJ	--	BUD	BUD	HHZ	HHZ	_
JOS	0.95	52.0	Lg	06:51:54.789	0.8					T__				___		15330412	FDSN	ZJ	--	BUD	BUD	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/09/02	08:37:35.25	0.97	0.45	47.1413	17.9768	12.0	3.5	95	0.0S		7	5	158	0.25	1.06	m	sx BUD	15314290	iLoc				206

(description : suspected quarry blast)

(locality : Kisörspuszta Hungary)

Magnitude	Err	Nsta	Author	OrigID

Sta	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	0.25	194.2	Pg	08:37:40.928	0.2					T__		1008.7			MLv	15314292	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TIH	0.25	194.2	Lg	08:37:44.794	-0.3					T__						15314293	FDSN	HU	--	BUD	iLoc	HHE	???	_
HU08A	0.29	352.9	Pg	08:37:41.570	-0.1					T__		178.9			MLv	15314294	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU08A	0.29	352.9	Lg	08:37:47.285	0.3					T__						15314295	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
CSKK	0.29	40.9	Lg	08:37:47.199	-0.1					T__						15314296	FDSN	HU	--	BUD	iLoc	HHN	???	_
MORH	1.03	153.4	Lg	08:38:11.212	0.3					T__						15314297	FDSN	HU	--	BUD	iLoc	HHE	???	_
KOVH	1.06	175.4	Lg	08:38:11.271	-0.7					T__						15314298	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
2019/09/02	10:45:12.50	0.20		45.7250	20.5010	0.0	0.0		0.0F	0.0	47			0.56	3.05	a	ke BEO	15278584	ISC			360
2019/09/02	10:45:12.54	0.74	1.75	45.7031	20.4899	3.5	2.8	145	3.8F	6.6	113	44	62	0.51	3.04	m	ke BUD	15314088	iLoc			72

Magnitude	Err	Nsta	Author	OrigID
ML	2.5		BEO	15278584
ML	3.0	0.1	16 ILOC	15314088

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TIM	0.51	86.0	Pg	10:45:23.453	0.7					T__						15314090	FDSN	IR	--	ISC	iLoc	???	???	_
TIM	0.51	86.0	Lg	10:45:30.934	0.7					T__						15314091	FDSN	IR	--	ISC	iLoc	???	???	_
BANR	0.56	125.0	Pg	10:45:21.700	-1.6					T__						15314092	FDSN	IR	--	ISC	iLoc	???	???	_
BANR	0.56	125.0	Pb	10:45:23.575	0.2					T__						15314093	FDSN	IR	--	ISC	iLoc	???	???	_
BANR	0.56	125.0	Lg	10:45:30.900	-0.5					T__						15314094	FDSN	IR	--	ISC	iLoc	???	???	_
BANR	0.56	125.0	Sg	10:45:32.892	1.5					T__						15314095	FDSN	IR	--	ISC	iLoc	???	???	_
BANR	0.56	125.0	Pn	10:45:39.300	12.1					---		7.6				15314096	FDSN	IR	--	ISC	iLoc	???	???	_
BANR	0.56	125.0	Pn	10:45:39.300	12.1					---						15314097	FDSN	IR	--	ISC	iLoc	???	???	_
BANR	0.56	124.9	Pg	10:45:24.039	0.7					T__		7577.9			MLv	15314098	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 3.7 0																								
FRGS	0.73	221.5	Pg	10:45:25.500	-0.9					T__						15314099	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	0.73	221.5	Lg	10:45:37.500	-1.2					T__						15314100	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	0.73	219.3	Pg	10:45:25.323	-1.4					T__		4386.7			MLv	15314101	FDSN	SJ	--	BUD	iLoc	HHZ	HHZ	_
FRGS	0.73	219.3	Lg	10:45:37.757	-1.5					T__						15314102	FDSN	SJ	--	BUD	iLoc	HHE	???	_
(Station ML : 3.5 0																								
BZS	0.79	95.8	Pg	10:45:27.100	-0.9					T__						15314103	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.79	95.8	Pn	10:45:28.922	-0.3					T__						15314104	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.79	95.8	Pb	10:45:29.400	1.4					T__		1.0				15314105	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.79	95.8	Sn	10:45:39.998	-2.2					T__						15314106	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.81	95.6	Pg	10:45:26.962	-1.3					T__		1009.0			MLv	15314107	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.81	95.6	Lg	10:45:38.039	-1.6					T__						15314108	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 3.0 1																								
HU21A	0.82	320.2	Pg	10:45:28.848	-0.1					T__		792.0			MLv	15314109	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.9 1																								
VRSS	0.83	134.3	Pg	10:45:26.900	-1.6					T__						15314110	FDSN	IR	--	ISC	iLoc	???	???	_
VRSS	0.83	134.3	Lg	10:45:40.100	-0.0					T__						15314111	FDSN	IR	--	ISC	iLoc	???	???	_
BEO	0.88	181.6	Lg	10:45:41.494	-2.3					T__						15314112	FDSN	SJ	--	BUD	iLoc	BHE	???	_
BEO	0.89	180.8	Pg	10:45:29.300	-0.3					T__						15314113	FDSN	IR	--	ISC	iLoc	???	???	_
BEO	0.89	180.8	Pn	10:45:43.800	13.4					---		1.0				15314114	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.99	54.9	Pn	10:45:31.282	-0.6					T__						15314115	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.99	54.9	Pg	10:45:31.800	-0.6					T__		0.9				15314116	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.99	54.9	Lg	10:45:44.896	-1.3					T__						15314117	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.99	55.1	Pn	10:45:30.322	-1.6					T__		915.6			MLv	15314118	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_

SIRR	0.99	55.1	Lg	10:45:43.986	-2.3	T__	---	15314119	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML	:	3.0	1													
AVAS	1.01	179.1	Pg	10:45:31.300	-0.5	T__	---	15314120	FDSN	IR	--	ISC	iLoc	???	???	_
AVAS	1.01	179.1	Sn	10:45:44.600	-2.9	T__	---	15314121	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.15	86.9	Pg	10:45:35.101	0.5	T__	---	15314122	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.15	86.9	Sn	10:45:50.633	0.0	T__	---	15314123	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.26	136.4	Pn	10:45:35.000	-0.9	T__	---	15314124	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.26	136.4	Pg	10:45:37.289	0.5	T__	---	15314125	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.26	136.4	Sn	10:45:52.700	-1.2	T__	---	15314126	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.26	136.4	Lg	10:45:55.534	1.0	T__	---	15314127	FDSN	IR	--	ISC	iLoc	???	???	_
TEKS	1.34	210.9	Pn	10:45:36.500	-0.2	T__	---	15314128	FDSN	IR	--	ISC	iLoc	???	???	_
TEKS	1.34	210.9	Sn	10:45:54.600	-0.8	T__	---	15314129	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.39	292.4	Pg	10:45:38.300	-0.7	T__	---	15314130	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.39	292.4	Sn	10:45:56.706	0.6	T__	---	15314131	FDSN	HU	--	BUD	iLoc	BHN	???	_
MORH	1.39	292.3	Pg	10:45:44.200	5.2	---	---	15314132	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.39	292.3	Sn	10:45:56.458	0.3	T__	---	15314133	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML	:	2.0	0													
TRUS	1.48	182.3	Pg	10:45:40.300	0.3	T__	---	15314134	FDSN	IR	--	ISC	iLoc	???	???	_
TRUS	1.48	182.3	Sn	10:45:59.100	0.3	T__	---	15314135	FDSN	IR	--	ISC	iLoc	???	???	_
KUBS	1.54	146.5	Pn	10:45:38.800	-0.8	T__	---	15314136	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.59	120.5	Pg	10:45:41.921	-0.6	T__	---	15314137	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.59	120.5	Lg	10:46:02.926	-1.1	T__	---	15314138	FDSN	IR	--	ISC	iLoc	???	???	_
BSZH	1.60	354.6	Lg	10:46:06.719	0.1	T__	---	15314139	FDSN	HU	--	BUD	iLoc	HHE	???	_
GZR	1.64	100.1	Pn	10:45:39.933	-1.4	T__	---	15314140	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.64	100.1	Pg	10:45:42.400	-1.1	T__	---	15314141	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.64	100.1	Pb	10:45:42.856	-0.7	T__	---	15314142	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.64	100.1	Pn	10:45:43.900	2.6	T__	---	15314143	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.64	100.1	Sn	10:46:02.158	-0.9	T__	---	15314144	FDSN	RO	--	BUD	iLoc	BHN	???	_
GZR	1.64	100.1	Lg	10:46:03.600	-2.2	T__	---	15314145	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.64	100.1	Sg	10:46:05.406	-0.4	T__	---	15314146	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML	:	3.0	1													
BORR	1.65	32.4	Pg	10:45:42.963	-2.0	T__	---	15314147	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	1.65	32.4	Sn	10:46:03.873	1.2	T__	---	15314148	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	1.70	83.0	Pg	10:45:43.550	-1.3	T__	---	15314149	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	1.70	83.0	Pb	10:45:49.800	5.0	---	---	15314150	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	1.70	83.0	Lg	10:46:06.637	-0.7	T__	---	15314151	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	1.71	283.9	Pg	10:45:45.429	0.4	T__	---	15314152	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	1.71	283.9	Pg	10:45:51.100	6.1	---	---	15314153	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	1.71	283.9	Sn	10:46:05.580	1.4	T__	---	15314154	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML	:	2.7	1													
DJES	1.77	125.1	Lg	10:46:07.470	-2.3	T__	---	15314155	FDSN	IR	--	ISC	iLoc	???	???	_
GRUS	1.82	174.9	Pn	10:45:44.200	0.8	T__	---	15314156	FDSN	IR	--	ISC	iLoc	???	???	_
GRUS	1.82	174.9	Sn	10:46:08.300	1.5	T__	---	15314157	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.89	54.0	Pn	10:45:45.200	0.6	T__	---	15314158	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.89	54.0	Pg	10:45:45.811	-3.4	T__	---	15314159	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.89	54.0	Sn	10:46:10.393	1.3	T__	---	15314160	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.89	54.0	Lg	10:46:11.400	-2.7	T__	---	15314161	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.89	54.0	Pn	10:45:42.879	-1.7	T__	---	15314162	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	1.89	54.0	Pg	10:45:46.987	-2.2	T__	---	15314163	FDSN	RO	--	BUD	iLoc	BHZ	???	_
(Station ML	:	3.0	1													
BBLs	1.99	203.1	Pn	10:45:44.624	-1.2	T__	---	15314164	FDSN	SJ	--	BUD	iLoc	BHZ	BHZ	_
BBLs	1.99	203.1	Sn	10:46:12.442	1.4	T__	---	15314165	FDSN	SJ	--	BUD	iLoc	BHE	???	_
BBLs	1.99	203.2	Pg	10:45:47.700	-1.2	T__	---	15314166	FDSN	IR	--	ISC	iLoc	???	???	_

BELS	1.99	203.2	Pb	10:45:51.700	2.8	T__	1.4	---	15314167	FDSN	IR	--	ISC	iLoc	???	???	_
BELS	1.99	203.2	Sn	10:46:14.300	2.8	T__		---	15314168	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 3.7 0)																	
MARR	2.07	61.0	Pn	10:45:48.792	1.5	T__		---	15314169	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	2.07	61.0	Sn	10:46:14.632	0.9	T__		---	15314170	FDSN	IR	--	ISC	iLoc	???	???	_
IVAS	2.14	186.6	Pg	10:45:50.000	-1.3	T__		---	15314171	FDSN	IR	--	ISC	iLoc	???	???	_
IVAS	2.14	186.6	Sn	10:46:16.800	1.7	T__		---	15314172	FDSN	IR	--	ISC	iLoc	???	???	_
GOCS	2.16	172.6	Pg	10:45:50.500	-1.5	T__		---	15314173	FDSN	IR	--	ISC	iLoc	???	???	_
GOCS	2.16	172.6	Sn	10:46:18.300	2.8	T__		---	15314174	FDSN	IR	--	ISC	iLoc	???	???	_
SRE	2.18	117.5	Pg	10:45:50.566	-2.5	T__		---	15314175	FDSN	IR	--	ISC	iLoc	???	???	_
BOVS	2.24	156.8	Pn	10:45:50.000	0.8	T__		---	15314176	FDSN	IR	--	ISC	iLoc	???	???	_
BOVS	2.24	156.8	Pg	10:45:50.292	-3.3	T__		---	15314177	FDSN	IR	--	ISC	iLoc	???	???	_
BOVS	2.24	156.8	Sn	10:46:20.000	3.2	T__		---	15314178	FDSN	IR	--	ISC	iLoc	???	???	_
BOVS	2.24	156.8	Lg	10:46:20.266	-4.3	T__		---	15314179	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	2.25	349.8	Pn	10:45:50.666	1.2	T__		---	15314180	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	2.25	349.8	Pg	10:46:05.700	8.0	---		---	15314181	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	2.25	349.8	Sn	10:46:16.800	-0.9	T__	0.1	---	15314182	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	2.25	349.8	Pn	10:45:50.437	0.9	T__	146.6	---	15314183	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	2.25	349.8	Sn	10:46:17.910	0.2	T__		---	15314184	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 2.9 1)																	
ZAGS	2.26	146.1	Pn	10:45:51.400	1.9	T__		---	15314185	FDSN	IR	--	ISC	iLoc	???	???	_
ZAGS	2.26	146.1	Sn	10:46:20.100	2.7	T__		---	15314186	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	2.32	95.1	Pn	10:45:52.124	1.0	T__		---	15314187	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	2.32	95.1	Pg	10:46:00.100	3.8	T__	0.2	---	15314188	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	2.32	95.1	Pg	10:46:00.100	3.8	T__		---	15314189	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	2.32	95.1	Sn	10:46:22.124	2.2	T__		---	15314190	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	2.32	95.2	Sn	10:46:21.295	1.3	T__		---	15314191	FDSN	RO	--	BUD	iLoc	BHE	???	_
HU10A	2.37	335.3	Pn	10:45:51.012	0.1	T__	149.2	---	15314192	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 3.0 1)																	
CJR	2.38	63.8	Pn	10:45:53.184	1.5	T__		---	15314193	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	2.38	63.8	Pg	10:45:57.052	-1.2	T__	347.3	---	15314194	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
CJR	2.38	63.8	Sn	10:46:23.154	2.1	T__		---	15314195	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 3.4 1)																	
HU09A	2.42	323.9	Pn	10:45:51.648	0.0	T__	154.7	---	15314196	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 3.0 1)																	
HU02A	2.42	0.6	Pg	10:46:01.960	1.4	T__	64.7	---	15314197	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.7 0)																	
SJES	2.47	188.8	Pg	10:45:55.700	-1.1	T__		---	15314198	FDSN	IR	--	ISC	iLoc	???	???	_
SJES	2.47	188.8	Sn	10:46:25.900	2.3	T__		---	15314199	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	2.52	249.0	Pg	10:46:10.200	11.6	---	0.1	---	15314200	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	2.52	249.0	Pg	10:46:10.200	11.6	---		---	15314201	FDSN	IR	--	ISC	iLoc	???	???	_
SELS	2.52	169.5	Pn	10:45:54.300	1.0	T__		---	15314202	FDSN	IR	--	ISC	iLoc	???	???	_
SELS	2.52	169.5	Sn	10:46:28.300	4.2	T__		---	15314203	FDSN	IR	--	ISC	iLoc	???	???	_
BLKB	2.60	142.4	Sn	10:46:28.667	2.8	T__		---	15314204	FDSN	IR	--	ISC	iLoc	???	???	_
JOS	2.79	0.6	Pn	10:45:57.020	0.2	T__	46.3	---	15314205	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.7 0)																	
ZAPS	2.87	147.0	Pn	10:45:59.600	1.5	T__		---	15314206	FDSN	IR	--	ISC	iLoc	???	???	_
ZAPS	2.87	147.0	Sn	10:46:36.400	4.0	T__		---	15314207	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	2.93	95.1	Pn	10:46:01.010	1.2	T__		---	15314208	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	2.93	95.1	Sn	10:46:37.554	2.7	T__		---	15314209	FDSN	IR	--	ISC	iLoc	???	???	_
BARS	3.04	161.3	Pn	10:46:02.700	2.3	T__		---	15314210	FDSN	IR	--	ISC	iLoc	???	???	_
BARS	3.04	161.3	Sn	10:46:38.500	1.8	T__		---	15314211	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	3.52	273.8	Pg	10:46:27.500	10.5	---		---	15314212	FDSN	IR	--	ISC	iLoc	???	???	_

MORC 4.53 335.1 Pg 10:46:46.200 6.4 --- --- 15314213 FDSN IR -- ISC iLoc ??? ??? _

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/09/02 11:00:31.57 0.83 0.62 48.6170 20.1438 3.9 2.9 33 0.0S 21 11 105 0.26 1.62 m sx BUD 15314307 iLoc 121
 (description : suspected quarry blast)
 (locality : Lubenik Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.8 0.1 11 ILOC 15314307

Sta	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	0.26	120.4	Pg	11:00:37.253	0.2				T__			528.7		___	MLv	15314309	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_	
KECS	0.26	120.4	Lg	11:00:41.287	0.1				T__					---		15314310	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Station ML : 1.8 1																									
JOS	0.29	114.8	Pg	11:00:37.706	0.2				T__			338.9		___	MLv	15314311	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_	
JOS	0.29	114.8	Lg	11:00:41.913	-0.1				T__					---		15314312	FDSN	ZJ	--	BUD	iLoc	HHE	???	_	
(Station ML : 1.6 1																									
HU02A	0.56	152.7	Pg	11:00:43.757	0.5				T__			80.1		___	MLv	15314313	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
HU02A	0.56	152.7	Lg	11:00:52.138	0.0				T__					---		15314314	FDSN	ZJ	00	BUD	iLoc	HHE	???	_	
(Station ML : 1.7 1																									
LANS	0.70	320.4	Pg	11:00:45.620	0.3				T__			180.0		___	MLv	15314315	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_	
LANS	0.70	320.4	Lg	11:00:54.860	0.0				T__					---		15314316	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Station ML : 2.1 0																									
PSZ	0.72	193.5	Pg	11:00:46.899	0.0				T__			70.7		___	MLv	15314317	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	0.72	193.5	Lg	11:00:57.515	-0.3				T__					---		15314318	FDSN	GE	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.7 1																									
ABAH	0.80	113.4	Pg	11:00:47.090	-0.3				T__			76.6		___	MLv	15314319	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ABAH	0.80	113.4	Lg	11:00:59.748	-0.8				T__					---		15314320	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
(Station ML : 1.8 1																									
NIE	0.81	7.8	Pg	11:00:47.546	0.7				T__			30.0		___	MLv	15314321	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_	
NIE	0.81	7.8	Lg	11:00:57.765	-0.7				T__					---		15314322	FDSN	PL	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.4 0																									
A336A	0.85	243.7	Pg	11:00:48.955	0.1				T__			204.7		___	MLv	15314323	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A336A	0.85	243.7	Lg	11:01:02.191	0.3				T__					---		15314324	FDSN	Z3	00	BUD	iLoc	HH2	???	_	
(Station ML : 2.3 0																									
VYHS	0.88	262.4	Pg	11:00:49.247	-0.0				T__			28.6		___	MLv	15314325	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_	
VYHS	0.88	262.4	Lg	11:01:01.502	-0.5				T__					---		15314326	FDSN	SK	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.4 0																									
A335A	1.21	262.6	Pn	11:00:55.322	0.4				T__			91.6		___	MLv	15314327	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A335A	1.21	262.6	Sn	11:01:11.460	-2.0				T__					---		15314328	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
(Station ML : 2.1 1																									
OJC	1.62	352.1	Pg	11:01:03.003	-0.4				T__			45.1		___	MLv	15314329	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/09/03 00:32:09.37 4.14 0.04 47.6703 20.3507 26.4 7.3 19 13.5F 17.3 6 3 291 0.02 0.08 m ke BUD 15314375 iLoc 349

Magnitude Err Nsta Author OrigID
 ML 0.5 0.0 3 ILOC 15314375

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TENKA	0.02	186.4	Pg	00:32:12.069	-0.0					T__		157.5		---	MLv	15314377	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.02	186.4	Lg	00:32:14.071	-0.0					T__				---		15314378	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 0.5 1																								
ATAN2	0.06	176.4	Pg	00:32:12.321	-0.0					T__		127.5		---	MLv	15314379	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN2	0.06	176.4	Lg	00:32:14.581	0.0					T__				---		15314380	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 0.6 1																								
HU23A	0.08	245.4	Pg	00:32:12.528	0.0					T__		105.5		---	MLv	15314381	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.08	245.4	Lg	00:32:14.839	-0.0					T__				---		15314382	FDSN	ZJ	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
2019/09/03	01:29:37.97	2.20	0.16	47.6514	20.3870	20.2	7.5	68	12.0A		5	3	291	0.03	0.09	m	ke BUD	15314396	iLoc			346

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TENKA	0.03	276.3	Pg	01:29:40.389	-0.1					T__		139.2		---	MLv	15314398	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.03	276.3	Lg	01:29:42.479	0.1					T__				---		15314399	FDSN	HU	--	BUD	iLoc	HHN	???	_
ATAN2	0.04	208.3	Pg	01:29:40.498	-0.1					T__		192.0		---	MLv	15314400	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN2	0.04	208.3	Lg	01:29:42.700	0.1					T__				---		15314401	FDSN	HU	--	BUD	iLoc	HHN	???	_
HU23A	0.09	262.4	Lg	01:29:43.504	-0.0					T__				---		15314402	FDSN	ZJ	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
2019/09/03	08:43:36.90	1.01	0.64	48.5179	20.7385	5.7	3.6	13	0.0S		14	8	140	0.14	2.45	m	sx BUD	15314411	iLoc			216

(description : suspected quarry blast)
(locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
ML 1.4 0.2 7 ILOC 15314411

Sta	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	260.6	Pg	08:43:39.659	-0.2					T__		511.1		---	MLv	15314413	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.14	260.6	Lg	08:43:43.030	0.8					T__				---		15314414	FDSN	ZJ	--	BUD	iLoc	HHN	???	_
(Station ML : 1.4 1																								
KECS	0.17	258.4	Pg	08:43:40.145	-0.4					T__		1308.1		---	MLv	15314415	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.17	258.4	Lg	08:43:43.970	0.5					T__				---		15314416	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 1.9 1																								
ABAH	0.40	123.4	Pg	08:43:45.348	0.2					T__		77.2		---	MLv	15314417	FDSN	HU	--	BUD	iLoc	HHE	HHZ	_
ABAH	0.40	123.4	Lg	08:43:51.442	-0.7					T__				---		15314418	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.3 1																								
HU02A	0.42	199.9	Pg	08:43:45.589	-0.3					T__		49.2		---	MLv	15314419	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.42	199.9	Lg	08:43:53.250	0.4					T__				---		15314420	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.2 0																								
PSZ	0.82	223.6	Pg	08:43:54.099	-0.2					T__		44.7		---	MLv	15314421	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.82	223.6	Lg	08:44:06.981	0.2					T__				---		15314422	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.6 1																								
NIE	0.94	342.9	Pg	08:43:54.568	-0.2					T__		26.4		---	MLv	15314423	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_

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(Station ML : 1.4 1
VYHS 1.27 269.6 Pn 08:44:00.284 -0.7 T__ 49.6 ___ MLv 15314424 FDSN SK -- BUD iLoc HHZ HHZ _
VYHS 1.27 269.6 Sn 08:44:18.855 -1.2 T__ ___ 15314425 FDSN SK -- BUD iLoc HHN ??? _
(Station ML : 1.9 0
MORC 2.45 302.2 Pn 08:44:18.400 0.8 T__ ___ 15314426 FDSN IR -- ISC iLoc ??? ??? _

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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
2019/09/04 07:52:01.16 1.35 0.72 48.5215 20.7554 9.7 3.7 12 0.0S 10 6 215 0.15 1.28 m sx BUD 15314456 iLoc 291
(description : suspected quarry blast)
(locality : Dvorniky-Vcelare Slovakia)

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Magnitude Err Nsta Author OrigID
ML 1.1 0.2 4 ILOC 15314456

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Sta 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 0.15 259.9 Pg 07:52:04.189 -0.1 T__ 198.0 ___ MLv 15314458 FDSN ZJ -- BUD iLoc HHZ HHZ _
JOS 0.15 259.9 Lg 07:52:07.634 0.8 T__ ___ 15314459 FDSN ZJ -- BUD iLoc HHE ??? _
(Station ML : 1.0 1
KECS 0.18 258.0 Pg 07:52:04.916 -0.1 T__ 1005.3 ___ MLv 15314460 FDSN SK -- BUD iLoc EHN EHZ _
KECS 0.18 258.0 Lg 07:52:07.878 -0.2 T__ ___ 15314461 FDSN SK -- BUD iLoc EHE ??? _
(Station ML : 1.8 1
ABAH 0.39 124.8 Pg 07:52:09.585 0.3 T__ 60.9 ___ MLv 15314462 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.39 124.8 Lg 07:52:15.133 -1.0 T__ ___ 15314463 FDSN HU -- BUD iLoc HHE ??? _
(Station ML : 1.2 1
HU02A 0.43 201.1 Pg 07:52:10.050 -0.2 T__ 27.2 ___ MLv 15314464 FDSN ZJ 00 BUD iLoc HHZ HHZ _
HU02A 0.43 201.1 Lg 07:52:17.721 0.4 T__ ___ 15314465 FDSN ZJ 00 BUD iLoc HHE ??? _
(Station ML : 0.9 1
PSZ 0.83 224.0 Lg 07:52:31.778 0.4 T__ 15314466 FDSN GE -- BUD iLoc BHN ??? _
VYHS 1.28 269.5 Sn 07:52:43.376 -1.2 T__ ___ 15314467 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
2019/09/04 08:12:19.19 1.00 0.73 47.8413 19.1396 6.0 3.2 1 0.0S 13 7 191 0.08 1.14 m sx BUD 15314485 iLoc 261
(description : suspected quarry blast)
(locality : Dunabogdány Hungary)

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Magnitude Err Nsta Author OrigID
ML 1.6 0.1 6 ILOC 15314485

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Sta 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 0.08 272.8 Pg 08:12:21.484 0.1 T__ 2974.5 ___ MLv 15314487 FDSN ZJ 00 BUD iLoc HHZ HHZ _
HU10A 0.08 272.8 Lg 08:12:23.115 -0.2 T__ ___ 15314488 FDSN ZJ 00 BUD iLoc HHE ??? _
(Station ML : 2.0 0
HU03A 0.32 78.4 Lg 08:12:32.859 1.6 T__ 15314489 FDSN ZJ 00 BUD iLoc HHN ??? _
A336A 0.40 346.5 Pg 08:12:27.984 0.4 T__ 153.4 ___ MLv 15314490 FDSN Z3 00 BUD iLoc HHZ HHZ _
A336A 0.40 346.5 Lg 08:12:33.601 -0.5 T__ ___ 15314491 FDSN Z3 00 BUD iLoc HH3 ??? _
(Station ML : 1.6 1
PSZ 0.51 81.1 Pg 08:12:29.949 -0.5 T__ 53.1 ___ MLv 15314492 FDSN GE -- BUD iLoc BHZ BHZ _
PSZ 0.51 81.1 Lg 08:12:38.485 -0.2 T__ ___ 15314493 FDSN GE -- BUD iLoc BHN ??? _

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(Station ML : 1.5 1
VYHS 0.68 342.8 Pg 08:12:32.761 -0.4 T__ 23.2 --- MLv 15314494 FDSN SK -- BUD iLoc HHZ HHZ _
VYHS 0.68 342.8 Lg 08:12:43.606 0.3 T__ --- 15314495 FDSN SK -- BUD iLoc HHN ??? _
(Station ML : 1.2 0
HU02A 0.97 72.7 Pn 08:12:39.023 -0.1 T__ 39.8 --- MLv 15314496 FDSN ZJ 00 BUD iLoc HHZ HHZ _
HU02A 0.97 72.7 Lg 08:12:53.759 -0.9 T__ --- 15314497 FDSN ZJ 00 BUD iLoc HHN ??? _
(Station ML : 1.6 1
JOS 1.14 54.5 Pg 08:12:42.237 0.4 T__ 37.3 --- MLv 15314498 FDSN ZJ -- BUD iLoc HHZ HHZ _
JOS 1.14 54.5 Sn 08:12:57.902 -0.9 T__ --- 15314499 FDSN ZJ -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2019/09/04 08:46:44.96 1.00 1.97 47.1166 17.9621 13.8 3.8 108 0.0S 13 9 146 0.22 1.54 m sx BUD 15314543 iLoc 165
(description : suspected quarry blast)
(locality : Királyszentistván Hungary)

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```

Magnitude Err Nsta Author OrigID
ML 1.9 0.5 4 ILOC 15314543

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Sta 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 0.22 193.2 Pg 08:46:49.850 -0.1 T__ 2629.2 --- MLv 15314545 FDSN HU -- BUD iLoc HHZ HHZ _
TIH 0.22 193.2 Lg 08:46:54.489 0.5 T__ --- 15314546 FDSN HU -- BUD iLoc HHN ??? _
(Station ML : 2.3 1
HU08A 0.32 355.3 Lg 08:46:57.597 0.1 T__ --- 15314547 FDSN ZJ 00 BUD iLoc HHN ??? _
CSKK 0.32 39.4 Pg 08:46:52.315 0.4 T__ 669.8 --- MLv 15314548 FDSN HU -- BUD iLoc HHZ HHZ _
CSKK 0.32 39.4 Lg 08:46:57.143 -0.7 T__ --- 15314549 FDSN HU -- BUD iLoc HHN ??? _
(Station ML : 2.0 1
MORH 1.02 152.2 Pn 08:47:05.234 0.1 T__ 17.3 --- MLv 15314550 FDSN HU -- BUD iLoc BHZ BHZ _
MORH 1.02 152.2 Sn 08:47:18.920 -2.1 T__ --- 15314551 FDSN HU -- BUD iLoc BHE ??? _
(Station ML : 1.3 1
HU10A 1.02 44.1 Sn 08:47:21.106 -0.6 T__ --- 15314552 FDSN ZJ 00 BUD iLoc HHE ??? _
KOVH 1.03 174.7 Pg 08:47:05.996 0.2 T__ 43.7 --- MLv 15314553 FDSN HU -- BUD iLoc BHZ BHZ _
KOVH 1.03 174.7 Sn 08:47:19.682 -1.7 T__ --- 15314554 FDSN HU -- BUD iLoc BHE ??? _
(Station ML : 1.7 1
A336A 1.32 31.7 Sn 08:47:28.334 -0.7 T__ --- 15314555 FDSN Z3 00 BUD iLoc HH3 ??? _
MODS 1.34 340.1 Sn 08:47:24.453 -5.3 T__ --- 15314556 FDSN SK -- BUD iLoc HHE ??? _
PSZ 1.54 57.8 Sn 08:47:33.658 -1.0 T__ --- 15314557 FDSN GE -- BUD iLoc BHE ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2019/09/05 06:19:02.52 1.41 0.88 47.3490 18.4040 9.4 4.1 139 0.0S 8 6 149 0.10 1.28 m sx BUD 15314525 iLoc 238
(description : suspected quarry blast)
(locality : Gánt Hungary)

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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 0.10 278.4 Pg 06:19:05.219 0.1 T__ 2592.7 --- MLv 15314527 FDSN HU -- BUD iLoc HHZ HHZ _
CSKK 0.10 278.4 Lg 06:19:06.867 -0.8 T__ --- 15314528 FDSN HU -- BUD iLoc HHE ??? _
HU09A 0.29 357.1 Pg 06:19:09.449 0.7 T__ 237.0 --- MLv 15314529 FDSN ZJ 00 BUD iLoc HHZ HHZ _

```

HU09A	0.29	357.1	Lg	06:19:14.122	-0.1	T__	---	15314530	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
HU08A	0.34	284.3	Lg	06:19:16.011	0.3	T__	---	15314531	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
HU10A	0.65	39.7	Lg	06:19:25.372	-1.3	T__	---	15314532	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
VYHS	1.18	14.1	Lg	06:19:42.912	-0.8	T__	---	15314533	FDSN	SK	--	BUD	iLoc	HHN	???	_
KOVH	1.28	189.5	Lg	06:19:47.330	0.7	T__	---	15314534	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/09/05	07:19:10.32	1.19	0.88	48.0685	20.6822	7.3	4.1	162	0.0S		9	5	196	0.12	0.55	m	sx BUD	15314575	iLoc			267
(description : suspected quarry blast)																						
(locality : Miskolc-Mexikóvölgy Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.1	4 ILOC	15314575

Sta	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	297.1	Pg	07:19:13.059	-0.3					T__		422.7		---	MLv	15314577	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.12	297.1	Lg	07:19:15.428	-0.6					T__				---		15314578	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.3 1																								
KECS	0.44	342.5	Lg	07:19:26.108	0.1					T__				---		15314579	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.44	58.4	Pg	07:19:19.631	0.3					T__		62.5		---	MLv	15314580	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.44	58.4	Lg	07:19:25.456	-1.5					T__				---		15314581	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.3 1																								
JOS	0.44	347.3	Pg	07:19:20.001	0.8					T__		89.3		---	MLv	15314582	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.44	347.3	Lg	07:19:25.900	-0.2					T__				---		15314583	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 1.5 1																								
PSZ	0.55	254.4	Pg	07:19:23.196	0.9					T__		43.6		---	MLv	15314584	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.55	254.4	Lg	07:19:30.376	-0.6					T__				---		15314585	FDSN	GE	--	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
2019/09/05	07:28:01.33	1.15	0.67	48.5202	20.7735	9.3	3.5	8	0.0S		14	8	157	0.16	1.29	m	sx BUD	15314603	iLoc			216
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.1	6 ILOC	15314603

Sta	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	261.1	Pg	07:28:04.564	-0.2					T__		369.6		---	MLv	15314605	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.16	261.1	Lg	07:28:08.292	0.9					T__				---		15314606	FDSN	ZJ	--	BUD	iLoc	HHN	???	_
(Station ML : 1.3 1																								
KECS	0.20	259.2	Pg	07:28:05.018	-0.4					T__		1239.9		---	MLv	15314607	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.20	259.2	Lg	07:28:08.968	0.3					T__				---		15314608	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.9 0																								
ABAH	0.38	125.7	Pg	07:28:09.309	0.1					T__		75.8		---	MLv	15314609	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.38	125.7	Lg	07:28:15.571	-0.4					T__				---		15314610	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.2 1																								
HU02A	0.43	202.7	Pg	07:28:10.302	-0.2					T__		42.3		---	MLv	15314611	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.1 1																								

PSZ	0.84	224.6	Pg	07:28:18.689	-0.4	T__	38.3	---	MLv	15314612	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.84	224.6	Lg	07:28:32.195	0.4	T__		---		15314613	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.6 1																		
KOLS	1.08	66.8	Pn	07:28:23.860	1.1	T__		---		15314614	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	1.08	66.8	Lg	07:28:38.148	-0.3	T__		---		15314615	FDSN	SK	--	BUD	iLoc	HHE	???	_
A336A	1.22	257.0	Sn	07:28:42.845	-0.1	T__		---		15314616	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	1.29	269.6	Pn	07:28:25.644	-0.1	T__	6.3	---	MLv	15314617	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.29	269.6	Sn	07:28:43.606	-1.4	T__		---		15314618	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
2019/09/05	09:05:37.83	0.27	1.00	47.3789	18.3816	3.6	2.7	106	0.0A	0.0	14	11	80	0.08	1.31	m	sx	BUD	15255827	scolv@krszo		360
2019/09/05	09:05:35.33	0.93	0.76	47.3730	18.3898	4.7	4.0	139	0.0S		14	11	78	0.09	1.30	m	sx	BUD_GT	15314644	iLoc		110

(GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)
 (description : suspected quarry blast)
 (locality : Gánt Hungary)

Magnitude	Err	Nsta	Author	OrigID	
M	2.0	3	BUD	15255827	
MLv	2.0	0.1	3	BUD	15255827
ML	1.9	0.1	3	ILOC	15314644

Sta	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	263.7	Pg	09:05:37.750	-0.0					T__		3124.4		---	MLv	15314646	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.09	263.7	Lg	09:05:39.389	-0.8					T__				---		15314647	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 2.0 1																								
HU09A	0.27	358.9	Lg	09:05:47.040	0.9					T__				---		15314648	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
HU08A	0.32	280.6	Lg	09:05:48.652	0.6					T__				---		15314649	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
A271A	0.37	125.7	Lg	09:05:50.299	0.4					T__				---		15314650	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A267A	0.43	171.6	Lg	09:05:51.628	-0.0					T__				---		15314651	FDSN	Z3	00	BUD	iLoc	HHN	???	_
HU10A	0.64	41.8	Lg	09:05:58.390	-0.6					T__				---		15314652	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
A266A	0.85	185.8	Sn	09:06:07.484	-0.2					T__				---		15314653	FDSN	Z3	00	BUD	iLoc	HHE	???	_
PSZ	1.15	61.2	Pn	09:05:58.669	0.8					T__		55.1		---	MLv	15314654	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	1.15	61.2	Sn	09:06:14.635	-1.2					T__				---		15314655	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.9 1																								
VYHS	1.16	14.8	Pg	09:05:58.820	-0.0					T__		63.3		---	MLv	15314656	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.16	14.8	Lg	09:06:15.087	-0.7					T__				---		15314657	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.9 1																								
MORH	1.17	171.3	Sn	09:06:14.485	-0.8					T__				---		15314658	FDSN	HU	--	BUD	iLoc	BHN	???	_
KOVH	1.30	188.9	Sn	09:06:19.456	0.9					T__				---		15314659	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/09/05	09:07:52.18	1.46	0.62	48.6679	19.9119	11.8	5.3	1	0.0S		12	6	215	0.42	0.96	m	sx	BUD	15314673	iLoc		291

(description : suspected quarry blast)
 (locality : Tisovec Slovakia)

Magnitude	Err	Nsta	Author	OrigID	
ML	1.4	0.2	6	ILOC	15314673

Sta	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	115.7	Pg	09:08:00.859	0.1					T__		135.9		---	MLv	15314675	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_			
KECS	0.42	115.7	Lg	09:08:06.844	-0.4					T__				---		15314676	FDSN	SK	--	BUD	iLoc	EHE	???	_			
		(Station ML : 1.6 1																									
JOS	0.45	112.3	Pg	09:08:00.985	-0.2					T__		47.2		---	MLv	15314677	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_			
JOS	0.45	112.3	Lg	09:08:08.506	0.4					T__				---		15314678	FDSN	ZJ	--	BUD	iLoc	HHE	???	_			
		(Station ML : 1.2 0																									
HU02A	0.68	143.0	Pg	09:08:06.751	0.4					T__		25.5		---	MLv	15314679	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_			
HU02A	0.68	143.0	Lg	09:08:16.768	-0.3					T__				---		15314680	FDSN	ZJ	00	BUD	iLoc	HHE	???	_			
		(Station ML : 1.3 1																									
VYHS	0.74	256.7	Pn	09:08:08.304	-0.6					T__		25.4		---	MLv	15314681	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_			
VYHS	0.74	256.7	Lg	09:08:17.799	0.0					T__				---		15314682	FDSN	SK	--	BUD	iLoc	HHN	???	_			
		(Station ML : 1.3 1																									
PSZ	0.75	180.9	Pn	09:08:08.400	-0.7					T__		45.0		---	MLv	15314683	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_			
PSZ	0.75	180.9	Lg	09:08:19.328	-0.1					T__				---		15314684	FDSN	GE	--	BUD	iLoc	BHE	???	_			
		(Station ML : 1.6 1																									
ABAH	0.96	112.3	Pn	09:08:13.105	1.4					T__		45.7		---	MLv	15314685	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_			
ABAH	0.96	112.3	Sn	09:08:27.454	0.1					T__				---		15314686	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
2019/09/05	21:51:13.43	0.60	0.47	48.5584	22.4846	7.5	4.2	61	7.5	4.3	12	8	141	0.15	1.38	m	ke BUD	15255909	scolv@krszo			360
2019/09/05	21:51:12.60			48.5500	22.3800				8.0A								a ke SIGU	15278800	ISC			360
2019/09/05	21:51:13.40	0.89	0.67	48.5518	22.4213	4.6	2.8	52	4.7F	9.1	25	13	76	0.04	1.34	m	ke BUD_GT	15314731	iLoc			106

(GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)

Magnitude	Err	Nsta	Author	OrigID
M	1.3	3	BUD	15255909
MLv	1.3	0.7	3 BUD	15255909
mb	1.3		SIGU	15278800
ML	1.7	0.0	3 ILOC	15314731

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L			
HOLU	0.04	224.9	Pg	21:51:14.200	-0.4					T__				---		15314733	FDSN	IR	--	ISC	iLoc	???	???	_			
HOLU	0.04	224.9	Lg	21:51:15.600	-0.2					T__				---		15314734	FDSN	IR	--	ISC	iLoc	???	???	_			
UZH	0.12	313.0	Pg	21:51:15.300	-0.6					T__				---		15314735	FDSN	IR	--	ISC	iLoc	???	???	_			
UZH	0.12	313.0	Pg	21:51:16.916	1.0					T__				---		15314736	FDSN	UA	--	BUD	iLoc	BHZ	???	_			
UZH	0.12	313.0	x	21:51:33.700	-99.0					---		50.0		---		15314737	FDSN	IR	--	ISC	iLoc	???	???	_			
MUKU	0.20	118.9	Pg	21:51:17.549	0.0					T__				---		15314738	FDSN	UA	--	BUD	iLoc	MHZ	???	_			
MUKU	0.20	118.9	Pg	21:51:17.700	0.2					T__				---		15314739	FDSN	IR	--	ISC	iLoc	???	???	_			
MUKU	0.20	118.9	Lg	21:51:21.300	0.3					T__				---		15314740	FDSN	IR	--	ISC	iLoc	???	???	_			
MUKU	0.20	118.9	x	21:51:30.400	-99.0					---		40.0		---		15314741	FDSN	IR	--	ISC	iLoc	???	???	_			
BERU	0.35	154.7	Pg	21:51:20.700	0.4					T__				---		15314742	FDSN	IR	--	ISC	iLoc	???	???	_			
BERU	0.35	154.7	Lg	21:51:25.600	-0.7					T__				---		15314743	FDSN	IR	--	ISC	iLoc	???	???	_			
BERU	0.35	154.7	x	21:51:29.900	-99.0					---		20.0		---		15314744	FDSN	IR	--	ISC	iLoc	???	???	_			
KOLS	0.39	345.6	Pg	21:51:21.497	0.5					T__				---		15314745	FDSN	SK	--	BUD	iLoc	HHZ	???	_			
KOLS	0.39	345.6	Lg	21:51:28.285	0.8					T__				---		15314746	FDSN	SK	--	BUD	iLoc	HHN	???	_			
TRPA	0.43	169.4	Pg	21:51:22.294	0.5					T__		11.0		---	MLv	15314747	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_			
TRPA	0.43	169.4	Lg	21:51:28.819	-0.3					T__				---		15314748	FDSN	HU	--	BUD	iLoc	BHE	???	_			
		(Station ML : 0.5 1																									
BRIU	0.45	118.0	Pg	21:51:22.300	0.1					T__				---		15314749	FDSN	IR	--	ISC	iLoc	???	???	_			
BRIU	0.45	118.0	Pg	21:51:22.614	0.4					T__				---		15314750	FDSN	UA	--	BUD	iLoc	MHZ	???	_			

BRIU	0.45	118.0	Lg	21:51:29.400	-0.1	T__									15314751	FDSN	IR	--	ISC	iLoc	???	???	_
BRIU	0.45	118.0	x	21:51:41.100	-99.0	---					30.0				15314752	FDSN	IR	--	ISC	iLoc	???	???	_
STZU	0.48	15.9	Pg	21:51:22.400	-0.3	T__									15314753	FDSN	IR	--	ISC	iLoc	???	???	_
STZU	0.48	15.9	Lg	21:51:29.900	-0.3	T__									15314754	FDSN	IR	--	ISC	iLoc	???	???	_
STZU	0.48	15.9	x	21:51:35.300	-99.0	---					30.0				15314755	FDSN	IR	--	ISC	iLoc	???	???	_
KORU	0.62	129.4	Lg	21:51:36.100	0.9	T__									15314756	FDSN	IR	--	ISC	iLoc	???	???	_
MEZ	0.73	92.6	Lg	21:51:37.400	-1.2	T__									15314757	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.83	252.4	Pn	21:51:30.297	-0.2	T__					51.7		MLv		15314758	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.83	252.4	Sn	21:51:43.199	-1.4	T__									15314759	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.7 1																							
JOS	1.25	268.1	Lg	21:51:54.905	-0.5	T__									15314760	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
HU02A	1.34	251.9	Pg	21:51:39.079	-0.3	T__					27.5		MLv		15314761	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.34	251.9	Sn	21:51:56.022	-1.1	T__									15314762	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 1.7 1																							
NSLU	1.40	103.9	Pn	21:51:28.300	-11.0	---									15314763	FDSN	IR	--	ISC	iLoc	???	???	_
NSLU	1.40	103.9	x	21:51:46.000	-99.0	---					10.0				15314764	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/09/06	07:18:17.62	1.65	1.40	48.2012	21.2229	13.6	6.1	140	0.0S		9	7	158	0.10	1.01	m	kx BUD	15314712	iLoc			209	
2019/09/06	07:18:18.04f		1.43	48.2470	21.2460f				0.0S		9		153	0.05	0.97	a	kx BUD_GT	15328497	BUD			206	
(GT info : GT2 explosion)																							
(description : known quarry blast)																							
(locality : Tallya Hungary)																							

Magnitude	Err	Nsta	Author	OrigID																				
Sta	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	07:18:20.617	1.0					T__		7567.5		---	MLv	15330413	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
ABAH	0.05	355.1	Lg	07:18:21.514	0.3					T__				---		15330414	FDSN	HU	--	BUD	BUD	HHE	???	_
HU02A	0.50	255.8	Pn	07:18:31.449	-1.0					T__		32.8		---	MLv	15330415	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.50	255.8	Lg	07:18:36.824	0.1					T__				---		15330416	FDSN	ZJ	00	BUD	BUD	HHN	???	_
JOS	0.53	298.0	Lg	07:18:36.756	-0.2					T__				---		15330417	FDSN	ZJ	--	BUD	BUD	HHN	???	_
KECS	0.56	295.3	Lg	07:18:37.262	-0.6					T__				---		15330418	FDSN	SK	--	BUD	BUD	EHE	???	_
TRPA	0.87	97.2	Lg	07:18:50.314	0.8					T__				---		15330419	FDSN	HU	--	BUD	BUD	BHE	???	_
PSZ	0.96	250.6	Lg	07:18:48.874	-3.9					T__				---		15330420	FDSN	GE	--	BUD	BUD	BHN	???	_
KOLS	0.97	44.4	Lg	07:18:52.255	-0.1					T__				---		15330421	FDSN	SK	--	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/09/06	11:04:20.98	0.86	0.52	48.3260	19.8678	4.0	3.0	172	0.0S		17	11	62	0.41	1.42	m	sx BUD	15314784	iLoc				90
(description : suspected quarry blast)																							
(locality : Velke-Dravce Slovakia)																							

Magnitude Err Nsta Author OrigID
ML 1.9 0.0 7 ILOC 15314784

Sta	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	177.5	Pg	11:04:30.234	0.2					T__		278.5		---	MLv	15314786	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.41	177.5	Lg	11:04:36.560	-0.1					T__				---		15314787	FDSN	GE	--	BUD	iLoc	BHN	???	_

(Station ML : 1.9 1	KECS 0.44 68.9 Pg	11:04:30.133	0.2	T__	372.2	___ MLv	15314788	FDSN SK	-- BUD	iLoc	EHN EHZ	_
	KECS 0.44 68.9 Lg	11:04:37.363	0.6	T__		___	15314789	FDSN SK	-- BUD	iLoc	EHN ???	_
(Station ML : 2.1 1	HU03A 0.46 203.1 Pg	11:04:31.138	0.4	T__	203.4	___ MLv	15314790	FDSN ZJ	00 BUD	iLoc	HHZ HHZ	_
(Station ML : 1.9 1	JOS 0.48 68.9 Pg	11:04:30.641	0.0	T__	188.9	___ MLv	15314791	FDSN ZJ	-- BUD	iLoc	HHZ HHZ	_
	JOS 0.48 68.9 Lg	11:04:37.696	-0.3	T__		___	15314792	FDSN ZJ	-- BUD	iLoc	HHZ ???	_
(Station ML : 1.9 1	HU02A 0.48 114.6 Pg	11:04:31.188	-0.1	T__	134.4	___ MLv	15314793	FDSN ZJ	00 BUD	iLoc	HHZ HHZ	_
	HU02A 0.48 114.6 Lg	11:04:38.074	-1.1	T__		___	15314794	FDSN ZJ	00 BUD	iLoc	HHE ???	_
(Station ML : 1.8 1	A336A 0.59 261.2 Pg	11:04:33.638	0.7	T__	201.5	___ MLv	15314795	FDSN Z3	00 BUD	iLoc	HHZ HHZ	_
	A336A 0.59 261.2 Lg	11:04:41.626	-0.5	T__		___	15314796	FDSN Z3	00 BUD	iLoc	HH2 ???	_
(Station ML : 2.1 0	VYHS 0.71 284.1 Pg	11:04:35.355	-0.0	T__	24.3	___ MLv	15314797	FDSN SK	-- BUD	iLoc	HHZ HHZ	_
	VYHS 0.71 284.1 Lg	11:04:44.895	-0.9	T__		___	15314798	FDSN SK	-- BUD	iLoc	HHN ???	_
(Station ML : 1.3 0	LANS 0.87 342.4 Lg	11:04:49.615	-0.3	T__		___	15314799	FDSN SK	-- BUD	iLoc	EHE ???	_
	ABAH 0.92 91.4 Lg	11:04:53.430	-0.0	T__		___	15314800	FDSN HU	-- BUD	iLoc	HHE ???	_
	NIE 1.13 14.9 Lg	11:04:59.154	0.2	T__		___	15314801	FDSN PL	-- BUD	iLoc	BHE ???	_
	STHS 1.42 39.2 Sn	11:05:08.694	0.6	T__		___	15314802	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
2019/09/07	10:51:04.72	1.19	0.89	48.0318	19.6642	7.0	4.7	4	0.0S		6	4	175	0.14	0.72	m	kx BUD	15314832	iLoc			248
2019/09/07	10:51:05.15f		0.84	48.0061	19.6278f				0.0S		6		163	0.10	0.72	a	kx BUD_GT	15328503	BUD			237
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Nagylóc Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.0	3 BUD	15314832
ML	1.4	0.1	3 ILOC	15328503

Sta	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	190.5	Pg	10:51:07.863	0.1					T__		532.6		___	MLv	15330422	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU03A	0.10	190.5	Lg	10:51:11.136	1.2					T__				___		15330423	FDSN	ZJ	00	BUD	BUD	HHN	???	_
(Station ML : 1.3 1																								
PSZ	0.20	116.0	Pg	10:51:09.686	-0.3					T__		348.7		___	MLv	15330424	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.20	116.0	Lg	10:51:12.225	-1.6					T__				___		15330425	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.4 1																								
A336A	0.48	298.6	Lg	10:51:22.626	-0.0					T__				___		15330426	FDSN	Z3	00	BUD	BUD	HH2	???	_
VYHS	0.72	313.0	Pg	10:51:20.140	0.3					T__		99.9		___	MLv	15330427	FDSN	SK	--	BUD	BUD	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	
2019/09/07	10:57:28.65	1.67	1.08	46.1381	18.9374	13.8	4.1	158	3.6F	18.8	12	8	219	0.22	1.31	m	ke BUD	15314853	iLoc				230
Magnitude Err Nsta Author OrigID																							

ML 2.1 0.4 5 ILOC 15314853

Sta	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	0.22	291.0	Pg	10:57:33.418	0.2					T__		80.0		---	MLv	15314855	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_		
MORH	0.22	291.0	Lg	10:57:36.330	-0.5					T__				---		15314856	FDSN	HU	--	BUD	iLoc	BHN	???	_		
(Station ML : 0.8 0)																										
HU22A	0.23	35.2	Pg	10:57:33.781	0.2					T__		2329.8		---	MLv	15314857	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_		
HU22A	0.23	35.2	Lg	10:57:37.443	-0.2					T__				---		15314858	FDSN	ZJ	00	BUD	iLoc	HHE	???	_		
(Station ML : 2.3 0)																										
KOVH	0.58	265.4	Pn	10:57:40.949	-1.2					T__		47.0		---	MLv	15314859	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_		
KOVH	0.58	265.4	Lg	10:57:48.832	0.3					T__				---		15314860	FDSN	HU	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.5 1)																										
A266A	0.61	310.0	Pn	10:57:41.574	-0.8					T__		170.6		---	MLv	15314861	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
A266A	0.61	310.0	Lg	10:57:49.400	-0.2					T__				---		15314862	FDSN	Z3	00	BUD	iLoc	HHN	???	_		
(Station ML : 2.1 1)																										
A272A	0.61	1.8	Lg	10:57:51.055	0.6					T__				---		15314863	FDSN	Z3	00	BUD	iLoc	HHN	???	_		
HU04A	0.77	28.8	Lg	10:57:55.550	-0.7					T__				---		15314864	FDSN	ZJ	00	BUD	iLoc	HHN	???	_		
A273A	0.81	254.5	Pn	10:57:46.101	0.8					T__		229.1		---	MLv	15314865	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
(Station ML : 2.3 1)																										
CSKK	1.31	339.5	Sn	10:58:13.209	2.3					T__				---		15314866	FDSN	HU	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/09/07	11:11:48.00	0.89	0.72	48.0363	19.6385	4.1	3.3	26	0.0S		12	7	101	0.14	0.76	m	kx BUD	15314888	iLoc			130
2019/09/07	11:11:47.94	2.25	0.99	48.0034	19.6293	56.0	4.0	30	0.0A		5		197	0.20	0.72	a	ke KRSZO	15278849	ISC			360
2019/09/07	11:11:48.05f		0.84	48.0061	19.6278f				0.0S		12		97	0.10	0.78	a	kx BUD_GT	15328507	BUD			132

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.2	6 BUD	15314888
ML	1.4	0.1	6 ILOC	15328507

Sta	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	190.5	Pg	11:11:51.205	0.6					T__		868.4		---	MLv	15330428	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_		
HU03A	0.10	190.5	Lg	11:11:54.226	1.4					T__				---		15330429	FDSN	ZJ	00	BUD	BUD	HHN	???	_		
(Station ML : 1.5 1)																										
PSZ	0.20	116.0	Pg	11:11:53.066	0.2					T__		207.8		---	MLv	15330430	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_		
PSZ	0.20	116.0	Lg	11:11:55.627	-1.1					T__				---		15330431	FDSN	GE	--	BUD	BUD	BHN	???	_		
(Station ML : 1.2 1)																										
HU10A	0.44	248.8	Lg	11:12:06.117	1.4					T__				---		15330432	FDSN	ZJ	00	BUD	BUD	HHE	???	_		
A336A	0.48	298.6	Pg	11:11:56.794	-1.1					T__		112.9		---	MLv	15330433	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_		
(Station ML : 1.7 0)																										
HU02A	0.61	78.7	Pg	11:12:00.823	-0.1					T__		42.3		---	MLv	15330434	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_		
HU02A	0.61	78.7	Lg	11:12:10.010	-0.7					T__				---		15330435	FDSN	ZJ	00	BUD	BUD	HHE	???	_		
(Station ML : 1.5 1)																										
VYHS	0.72	313.0	Pg	11:12:02.907	0.2					T__		15.7		---	MLv	15330436	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_		
VYHS	0.72	313.0	Lg	11:12:12.799	-0.6					T__				---		15330437	FDSN	SK	--	BUD	BUD	HHN	???	_		
(Station ML : 1.1 0)																										
JOS	0.78	50.8	Pg	11:12:03.920	0.3					T__		29.4		---	MLv	15330438	FDSN	ZJ	--	BUD	BUD	HHZ	HHZ	_		
JOS	0.78	50.8	Lg	11:12:14.610	-0.8					T__				---		15330439	FDSN	ZJ	--	BUD	BUD	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/09/09	06:52:35.79	2.66	0.76	48.1021	21.3416	16.7	6.7	131	0.0S	10	6	223	0.21	1.04	m	sx	BUD	15314927	iLoc			279
(description : suspected quarry blast)																						
(locality : Tarcál Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.1	4 ILOC	15314927

Sta	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	340.7	Pg	06:52:40.598	0.2					T__		493.0		---	MLv	15314929	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.21	340.7	Lg	06:52:44.045	-0.4					T__				---		15314930	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.6 1																								
HU02A	0.55	272.4	Pg	06:52:47.574	0.2					T__		41.8		---	MLv	15314931	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.55	272.4	Lg	06:52:55.642	-0.6					T__				---		15314932	FDSN	ZJ	00	BUD	iLoc	HHZ	???	_
(Station ML : 1.4 1																								
JOS	0.67	306.5	Pg	06:52:49.516	0.4					T__		40.3		---	MLv	15314933	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.67	306.5	Lg	06:52:58.650	-0.6					T__				---		15314934	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 1.5 1																								
KECS	0.69	304.0	Pg	06:52:50.027	0.4					T__		81.4		---	MLv	15314935	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.69	304.0	Lg	06:53:00.136	0.1					T__				---		15314936	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 1.8 1																								
PSZ	0.99	259.8	Lg	06:53:10.556	-0.9					T__				---		15314937	FDSN	GE	--	BUD	iLoc	BHN	???	_
KOLS	1.04	36.3	Lg	06:53:10.981	-1.4					T__				---		15314938	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
2019/09/09	08:57:07.29	1.01	0.27	46.1557	18.2967	10.4	3.7	156	0.0S	5	3	167	0.15	0.37	m	kx	BUD	15314956	iLoc			280
2019/09/09	08:57:07.31f		0.36	46.1765	18.2926f				0.0S	5		155	0.16	0.35	a	kx	BUD_GT	15328513	BUD			276
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Komló-II Hungary)																						

Magnitude	Err	Nsta	Author	OrigID

Sta	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	236.7	Pg	08:57:11.129	-0.1					T__		432.7		---	MLv	15330440	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.16	236.7	Lg	08:57:13.740	-0.5					T__				---		15330441	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.25	80.7	Pg	08:57:12.936	0.1					T__		45.1		---	MLv	15330442	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.25	80.7	Lg	08:57:17.054	-0.2					T__				---		15330443	FDSN	HU	--	BUD	BUD	BHN	???	_
A266A	0.35	356.8	Lg	08:57:21.286	0.6					T__				---		15330444	FDSN	Z3	00	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/09/10	07:25:19.77	0.21	0.41	46.7966	22.9078	2.1	1.8	171	10.9F	1.7	16	125	0.13	1.87	a	ke	BUC	15278862	ISC			360
2019/09/10	07:25:18.85	1.22	1.01	46.8318	22.8998	7.2	3.9	19	0.0A	12	123	0.14	2.31	a	kx	KRSZO	15278859	ISC				360
2019/09/10	07:25:19.06	0.92	1.26	46.8356	22.9044	5.6	3.4	1	0.0S	28	10	113	0.14	1.90	m	sx	BUD	15314971	iLoc			170
(description : suspected quarry blast)																						

(locality : Poieni Romania)

Magnitude	Err	Nsta	Author	OrigID
m1	1.4		BUC	15278862
ML	1.7		KRSZO	15278859
ML	1.7	0.1	5 ILOC	15314971

Sta	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	0.14	251.8	Pg	07:25:22.227	-0.0					T__		548.9		---	MLv	15314973	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.14	251.8	Lg	07:25:24.293	-0.7					T__				---		15314974	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.14	251.7	Lg	07:25:25.271	0.3					T__		0.2		---		15314975	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.4 1)																								
MARR	0.22	137.2	Pg	07:25:23.852	0.1					T__				---		15314976	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.22	137.2	Pg	07:25:23.852	0.1					T__				---		15314977	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.22	137.2	Lg	07:25:27.408	-0.2					T__				---		15314978	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.32	5.6	Pn	07:25:27.384	-3.5					T__		0.2		---		15314979	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.32	5.6	Lg	07:25:31.945	0.9					T__		0.2		---		15314980	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.49	104.1	Pg	07:25:28.897	-0.0					T__		153.2		---	MLv	15314981	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 1.9 0)																								
SIRR	1.03	236.8	Pn	07:25:39.261	-0.5					T__		19.6		---	MLv	15314982	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	1.03	236.8	Lg	07:25:54.033	-0.4					T__				---		15314983	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.4 0)																								
SURR	1.21	206.8	Pg	07:25:42.495	0.1					T__				---		15314984	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.21	206.8	Pg	07:25:42.495	0.1					T__				---		15314985	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.21	206.8	Lg	07:25:58.765	-0.4					T__				---		15314986	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.45	183.6	Pn	07:25:45.539	-0.5					T__				---		15314987	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.45	183.6	Pn	07:25:45.539	-0.5					T__				---		15314988	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.45	183.6	Pg	07:25:47.362	0.9					T__		33.5		---	MLv	15314989	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.45	183.6	Sn	07:26:04.756	-1.7					T__				---		15314990	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.45	183.6	Lg	07:26:07.916	1.4					T__				---		15314991	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.8 1)																								
BZS	1.50	216.3	Pn	07:25:47.016	0.6					T__		24.9		---	MLv	15314992	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	1.50	216.3	Lg	07:26:09.936	1.6					T__				---		15314993	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	1.51	216.7	Pn	07:25:46.519	-0.0					T__				---		15314994	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.51	216.7	Pn	07:25:46.519	-0.0					T__				---		15314995	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.51	216.7	Sn	07:26:05.582	-2.0					T__				---		15314996	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.7 1)																								
BURAR	1.76	61.8	Lg	07:26:15.637	-2.0					T__				---		15314997	FDSN	RO	--	BUD	iLoc	BHE	???	_
ARR	1.90	140.0	Pn	07:25:51.696	-0.9					T__				---		15314998	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	1.90	140.0	Pn	07:25:51.696	-0.9					T__				---		15314999	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	1.90	140.0	Sn	07:26:15.835	-2.5					T__				---		15315000	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/09/10	07:34:43.26	0.29	0.95	47.4152	17.6797				5.6F	2.4	14	62	0.24	1.48	a	kx	KRSZO	15278904	ISC			360
2019/09/10	07:34:41.71	0.81	1.82	47.3537	17.6722	4.3	3.5	166	0.0S		22	14	60	0.19	1.61	m	sx	BUD	15315025	iLoc		107

(description : suspected quarry blast)

(locality : Németbánya Hungary)

Magnitude	Err	Nsta	Author	OrigID
M	2.1		KRSZO	15278904
MLv	2.1		KRSZO	15278904

ML	1.8 0.0	5 ILOC	15315025																								
Sta	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	0.19	65.5	Pg	07:34:46.743	0.7					T__		520.0		---	MLv	15315027	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_			
HU08A	0.19	65.5	Lg	07:34:50.687	0.8					T__				---		15315028	FDSN	ZJ	00	BUD	iLoc	HHE	???	_			
				(Station ML : 1.5 1																							
EGYH	0.24	285.2	Pg	07:34:47.515	0.4					T__		1563.1		---	MLv	15315029	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_			
EGYH	0.24	285.2	Lg	07:34:52.169	0.8					T__				---		15315030	FDSN	HU	--	BUD	iLoc	HHN	???	_			
				(Station ML : 2.2 0																							
CSKK	0.40	88.4	Lg	07:34:58.600	1.3					T__		8.9		---		15315031	FDSN	IR	--	ISC	iLoc	???	???	_			
CSKK	0.40	88.4	Pn	07:34:52.444	-2.3					T__		250.0		---	MLv	15315032	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_			
CSKK	0.40	88.4	Lg	07:34:56.692	-0.6					T__				---		15315033	FDSN	HU	--	BUD	iLoc	HHN	???	_			
				(Station ML : 1.8 1																							
TIH	0.48	162.0	Lg	07:34:59.678	0.6					T__				---		15315034	FDSN	HU	--	BUD	iLoc	HHE	???	_			
TIH	0.48	161.5	Lg	07:35:01.100	2.0					T__				---		15315035	FDSN	IR	--	ISC	iLoc	???	???	_			
HU09A	0.56	59.1	Lg	07:35:04.600	1.8					T__				---		15315036	FDSN	ZJ	00	BUD	iLoc	HHE	???	_			
SRO	0.63	43.1	Lg	07:35:06.568	1.3					T__				---		15315037	FDSN	SK	--	BUD	iLoc	EHN	???	_			
SRO	0.63	43.1	Lg	07:35:03.600	-1.7					T__				---		15315038	FDSN	IR	--	ISC	iLoc	???	???	_			
SOP	0.82	294.0	Sn	07:35:12.078	-1.0					T__				---		15315039	FDSN	HU	--	BUD	iLoc	BHE	???	_			
MODS	1.05	345.5	Sn	07:35:14.400	-5.1					T__				---		15315040	FDSN	IR	--	ISC	iLoc	???	???	_			
BEHE	1.08	215.1	Sn	07:35:21.169	2.0					T__				---		15315041	FDSN	HU	--	BUD	iLoc	BHN	???	_			
KOVH	1.30	166.8	Pg	07:35:07.585	0.0					T__		41.2		---	MLv	15315042	FDSN	HU	--	BUD	iLoc	BHN	BHZ	_			
KOVH	1.30	166.8	Lg	07:35:25.534	-0.5					T__				---		15315043	FDSN	HU	--	BUD	iLoc	BHE	???	_			
				(Station ML : 1.8 1																							
MORH	1.32	149.2	Pg	07:35:08.254	0.4					T__		8.4		---	MLv	15315044	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_			
MORH	1.32	149.2	Lg	07:35:26.048	-1.3					T__				---		15315045	FDSN	HU	--	BUD	iLoc	BHE	???	_			
				(Station ML : 1.2 0																							
CONA	1.35	295.8	Sn	07:35:26.719	0.3					T__				---		15315046	FDSN	OE	--	BUD	iLoc	BHE	???	_			
ARSA	1.47	266.7	Sn	07:35:31.113	2.6					T__				---		15315047	FDSN	OE	--	BUD	iLoc	BHE	???	_			
PSZ	1.61	68.6	Lg	07:35:39.169	1.1					T__				---		15315048	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
 2019/09/10 14:25:57.32 3.36 1.51 47.1369 19.5561 60.6 16.0 114 0.0S 8 5 198 0.80 1.97 m kx BUD 15315071 iLoc 241
 (description : known quarry blast)
 (locality : Dabas Hungary)

Magnitude Err Nsta Author OrigID
 ML 1.7 0.1 4 ILOC 15315071

Sta	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	0.80	333.0	Pn	14:26:14.452	-0.2					T__		74.2		---	MLv	15315073	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_			
				(Station ML : 1.8 1																							
PSZ	0.81	16.2	Pn	14:26:15.564	0.5					T__		60.4		---	MLv	15315074	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_			
PSZ	0.81	16.2	Sn	14:26:28.322	-1.0					T__				---		15315075	FDSN	GE	--	BUD	iLoc	BHE	???	_			
				(Station ML : 1.7 1																							
MORH	1.11	214.6	Pn	14:26:18.079	-0.7					T__		8.2		---	MLv	15315076	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_			
MORH	1.11	214.6	Sn	14:26:33.242	-2.5					T__				---		15315077	FDSN	HU	--	BUD	iLoc	BHE	???	_			
				(Station ML : 1.0 1																							
KOVH	1.45	224.3	Pg	14:26:26.962	0.4					T__		21.8		---	MLv	15315078	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_			
KOVH	1.45	224.3	Sn	14:26:42.531	-1.6					T__				---		15315079	FDSN	HU	--	BUD	iLoc	BHN	???	_			
				(Station ML : 1.6 1																							

MODS 1.97 309.6 Sn 14:26:57.037 -0.8 T__ --- 15315080 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
 2019/09/11 08:18:41.03 0.99 0.65 48.6319 20.7933 5.7 4.1 158 0.0S 19 11 79 0.22 1.61 m sx BUD 15315098 iLoc 128
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.7 0.4 8 ILOC 15315098

Sta	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	231.3	Pg	08:18:46.043	0.5					T__		365.6		---	MLv	15315100	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.22	231.3	Lg	08:18:49.464	0.4					T__				---		15315101	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 1.5 1																								
KECS	0.25	234.0	Pg	08:18:46.500	0.2					T__		1.6		---		15315102	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	0.25	234.0	Pg	08:18:46.746	0.5					T__		1606.3		---	MLv	15315103	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.25	234.0	Lg	08:18:50.350	0.0					T__				---		15315104	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 2.2 0																								
ABAH	0.45	138.4	Pg	08:18:50.936	0.7					T__		57.2		---	MLv	15315105	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.45	138.4	Lg	08:18:57.215	-0.7					T__				---		15315106	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.3 0																								
HU02A	0.54	199.4	Pg	08:18:52.242	-0.1					T__		37.1		---	MLv	15315107	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.54	199.4	Lg	08:18:59.422	-1.6					T__				---		15315108	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.4 1																								
STHS	0.84	20.5	Pg	08:18:56.600	-0.1					T__		0.1		---		15315109	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.93	220.4	Pn	08:18:59.900	-0.6					T__		0.1		---		15315110	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.93	220.4	Pn	08:19:00.239	-0.2					T__		56.0		---	MLv	15315111	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.93	220.4	Lg	08:19:14.001	-0.6					T__				---		15315112	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.8 1																								
LANs	1.02	301.2	Pn	08:19:02.262	0.5					T__		37.5		---	MLv	15315113	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 1.6 1																								
A336A	1.26	252.2	Pg	08:19:06.365	0.0					T__		57.1		---	MLv	15315114	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A336A	1.26	252.2	Sn	08:19:23.929	0.2					T__				---		15315115	FDSN	Z3	00	BUD	iLoc	HH2	???	_
(Station ML : 2.0 1																								
TRPA	1.27	112.7	Sn	08:19:23.297	-0.8					T__				---		15315116	FDSN	HU	--	BUD	iLoc	BHN	???	_
HU10A	1.42	237.1	Pn	08:19:07.560	0.5					T__		62.7		---	MLv	15315117	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.1 1																								
KWP	1.61	50.8	Sn	08:19:32.666	-0.8					T__				---		15315118	FDSN	PL	--	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
 2019/09/11 08:30:12.03 1.89 0.85 47.8299 20.1116 16.1 3.9 163 0.0S 13 8 213 0.17 0.89 m kx BUD 15315155 iLoc 228
 2019/09/11 08:30:12.26f 1.18 47.8650 20.1529f 0.0S 13 209 0.18 0.86 a kx BUD_GT 15328525 BUD 224
 (GT info : GT2 explosion)
 (description : known quarry blast)
 (locality : Kisnána Hungary)

Magnitude Err Nsta Author OrigID
 ML 2.0 0.2 6 BUD 15315155

ML 2.0 0.2 6 ILOC 15328525

Sta	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	287.2	Pg	08:30:16.702	-0.0					T__		2255.3			MLv	15330445	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_		
PSZ	0.18	287.2	Lg	08:30:18.661	-1.7					T__						15330446	FDSN	GE	--	BUD	BUD	BHN	???	_		
(Station ML : 2.2 1																										
HU02A	0.36	44.0	Pg	08:30:20.635	0.5					T__		206.4			MLv	15330448	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_		
HU02A	0.36	44.0	Lg	08:30:27.782	1.5					T__						15330449	FDSN	ZJ	00	BUD	BUD	HHN	???	_		
(Station ML : 1.6 0																										
HU03A	0.37	276.2	Lg	08:30:26.308	-0.1					T__						15330447	FDSN	ZJ	00	BUD	BUD	HHN	???	_		
KECS	0.66	19.7	Pn	08:30:27.630	0.0					T__		268.6			MLv	15330450	FDSN	SK	--	BUD	BUD	EHN	EHZ	_		
KECS	0.66	19.7	Lg	08:30:36.542	1.0					T__						15330451	FDSN	SK	--	BUD	BUD	EHN	???	_		
(Station ML : 2.3 0																										
JOS	0.68	22.1	Pg	08:30:26.894	1.0					T__		87.1			MLv	15330452	FDSN	ZJ	--	BUD	BUD	HHZ	HHZ	_		
JOS	0.68	22.1	Lg	08:30:37.211	0.9					T__						15330453	FDSN	ZJ	--	BUD	BUD	HHZ	???	_		
(Station ML : 1.8 1																										
HU10A	0.76	268.9	Lg	08:30:37.607	-2.7					T__						15330454	FDSN	ZJ	00	BUD	BUD	HHZ	???	_		
ABAH	0.85	59.0	Pn	08:30:31.772	1.6					T__		83.2			MLv	15330456	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_		
ABAH	0.85	59.0	Sn	08:30:44.619	0.1					T__						15330457	FDSN	HU	--	BUD	BUD	HHE	???	_		
(Station ML : 1.9 1																										
A336A	0.86	295.9	Pn	08:30:30.115	-0.3					T__		150.3			MLv	15330455	FDSN	Z3	00	BUD	BUD	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
2019/09/12	07:07:37.82	1.29	3.51	47.4178	18.4283	6.4	3.7	152	0.0A		9	178		0.13	1.35	a	kx KRSZO	15278926	ISC			360
2019/09/12	07:07:37.98	1.23	1.34	47.3386	18.4253	10.7	4.3	171	0.0S		12	9	102	0.11	1.27	m	sx BUD	15315210	iLoc			133

(description : suspected quarry blast)
(locality : Gánt Hungary)

Magnitude Err Nsta Author OrigID

Sta	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	282.5	Pg	07:07:40.769	-0.1					T__		5197.3			MLv	15315212	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.11	282.5	Lg	07:07:42.761	-1.0					T__						15315213	FDSN	HU	--	BUD	iLoc	HHN	???	_
CSKK	0.11	282.4	Pg	07:07:41.205	0.3					T__		18605.2				15315214	FDSN	IR	--	ISC	iLoc	???	???	_
HU09A	0.30	354.5	Lg	07:07:50.398	0.3					T__						15315215	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
HU08A	0.35	285.4	Lg	07:07:51.992	0.3					T__						15315216	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
BUD	0.43	70.1	Lg	07:07:54.811	0.1					T__						15315217	FDSN	HU	--	BUD	iLoc	BHN	???	_
EGYH	0.75	276.4	Sn	07:08:07.486	-0.2					T__						15315218	FDSN	HU	--	BUD	iLoc	HHE	???	_
A265A	1.01	205.5	Sn	07:08:17.248	3.2					T__						15315219	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MORH	1.13	172.3	Sn	07:08:18.209	1.2					T__						15315220	FDSN	HU	--	BUD	iLoc	BHN	???	_
PSZ	1.15	59.2	Pg	07:08:01.790	-0.4					T__		49.5			MLv	15315221	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	1.15	59.2	Sn	07:08:18.008	-0.3					T__						15315222	FDSN	GE	--	BUD	iLoc	BHE	???	_
KOVH	1.27	190.3	Sn	07:08:22.225	1.7					T__						15315223	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/09/12	08:12:50.64	1.61	0.54	46.1159	18.0251	11.8	9.9	6	0.0S		5	3	167	0.06	1.27	m	sx BUD	15315195	iLoc			318

(description : suspected quarry blast)
(locality : Bükkösd-II Hungary)

Magnitude	Err	Nsta	Author	OrigID																				
Sta	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	0.06	117.9	Pg	08:12:52.757	0.2					T__		1393.5		---	MLv	15315197	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.06	117.9	Lg	08:12:53.861	-0.5					T__				---		15315198	FDSN	HU	--	BUD	iLoc	BHN	???	_
MORH	0.44	76.7	Pg	08:13:00.087	0.2					T__		7.7		---	MLv	15315199	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	0.44	76.7	Lg	08:13:06.765	-0.3					T__				---		15315200	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOGS	1.27	285.7	Lg	08:13:31.769	-0.4					T__				---		15315201	FDSN	SL	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/09/12	09:04:49.22	1.06	0.74	48.5730	20.7940	6.7	3.4	8	0.0S		18	9	89	0.19	1.06	m	sx	BUD	15315233	iLoc		125
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID																				
ML	1.3	0.1	7 ILOC	15315233																				
Sta	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	245.6	Pg	09:04:53.185	0.0					T__		283.8		---	MLv	15315235	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.19	245.6	Lg	09:04:57.042	0.8					T__				---		15315236	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 1.3 1																								
KECS	0.22	246.4	Pg	09:04:53.700	-0.2					T__		0.8		---		15315237	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	0.22	246.4	Pg	09:04:54.041	0.1					T__		805.8		---	MLv	15315238	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.22	246.4	Lg	09:04:57.567	0.0					T__				---		15315239	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.22	246.4	Lg	09:04:58.000	0.5					T__		0.8		---		15315240	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.8 0																								
ABAH	0.41	132.9	Pg	09:04:57.785	0.2					T__		61.3		---	MLv	15315241	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.41	132.9	Lg	09:05:03.721	-0.9					T__				---		15315242	FDSN	HU	--	BUD	iLoc	HHN	???	_
ABAH	0.41	132.9	Lg	09:05:05.000	0.4					T__		0.1		---		15315243	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.2 0																								
HU02A	0.49	201.8	Pg	09:04:59.399	-0.1					T__		39.8		---	MLv	15315244	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.49	201.8	Lg	09:05:06.723	-0.6					T__				---		15315245	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.2 1																								
PSZ	0.89	222.9	Pn	09:05:08.200	0.2					T__		0.0		---		15315246	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.89	222.9	Pg	09:05:07.197	-0.8					T__		48.7		---	MLv	15315247	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.89	222.9	Lg	09:05:21.056	-0.2					T__				---		15315248	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.7 1																								
STHS	0.89	19.2	Lg	09:05:09.400	-9.7					---				---		15315249	FDSN	IR	--	ISC	iLoc	???	???	_
NIE	0.90	339.7	Pn	09:05:10.573	2.2					T__		19.8		---	MLv	15315250	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.91	339.1	Lg	09:05:11.000	-8.2					---				---		15315251	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.3 1																								
KOLS	1.04	69.2	Lg	09:05:25.175	-0.1					T__				---		15315252	FDSN	SK	--	BUD	iLoc	HHE	???	_
LANS	1.05	303.9	Pg	09:05:09.305	-0.6					T__		39.0		---	MLv	15315253	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 1.7 1																								
HOLU	1.06	91.9	Pn	09:05:10.304	0.1					T__				---		15315254	FDSN	UA	--	BUD	iLoc	MHZ	???	_

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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2019/09/12 09:13:27.97 1.26 0.40 48.2544 21.2324 9.4 4.5 149 0.0S 13 9 152 0.04 1.20 m sx BUD 15315288 iLoc 179
 (description : suspected quarry blast)
 (locality : Sárospatak Hungary)

Magnitude Err Nsta Author OrigID
 ML 1.8 0.3 4 ILOC 15315288

Sta	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	0.04	6.7	Pg	09:13:29.405	-0.0					T__		7305.2		---	MLv	15315290	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
ABAH	0.04	6.7	Lg	09:13:30.154	-0.7					T__				---		15315291	FDSN	HU	--	BUD	iLoc	HHE	???	_		
(Station ML : 2.3 1																										
HU02A	0.49	254.6	Pg	09:13:38.192	-0.2					T__		103.1		---	MLv	15315292	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_		
HU02A	0.49	254.6	Lg	09:13:46.475	0.1					T__				---		15315293	FDSN	ZJ	00	BUD	iLoc	HHE	???	_		
(Station ML : 1.7 1																										
JOS	0.52	297.8	Pg	09:13:38.503	0.0					T__		65.7		---	MLv	15315294	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_		
JOS	0.52	297.8	Lg	09:13:46.524	0.0					T__				---		15315295	FDSN	ZJ	--	BUD	iLoc	HHZ	???	_		
(Station ML : 1.6 1																										
KECS	0.55	295.0	Pg	09:13:39.109	0.1					T__		153.7		---	MLv	15315296	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_		
KECS	0.55	295.0	Lg	09:13:47.845	0.4					T__				---		15315297	FDSN	SK	--	BUD	iLoc	EHE	???	_		
(Station ML : 2.0 1																										
HOLU	0.81	70.0	Pn	09:13:45.879	0.3					T__				---		15315298	FDSN	UA	--	BUD	iLoc	MHZ	???	_		
TRPA	0.88	97.6	Lg	09:14:00.027	0.3					T__				---		15315299	FDSN	HU	--	BUD	iLoc	BHN	???	_		
PSZ	0.96	250.0	Lg	09:14:02.599	0.1					T__				---		15315300	FDSN	GE	--	BUD	iLoc	BHN	???	_		
KOLS	0.97	45.1	Lg	09:14:03.023	0.7					T__				---		15315301	FDSN	SK	--	BUD	iLoc	HHE	???	_		
STZU	1.20	49.9	Pn	09:13:51.441	0.3					T__				---		15315302	FDSN	UA	--	BUD	iLoc	MHZ	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/09/12	09:52:20.88	1.40	1.25	47.2278	18.3202	16.8	6.9	69	0.0S		5	4	139	0.14	1.27	m	kx BUD	15315320	iLoc			250
2019/09/12	09:52:21.08f		0.78	47.2302	18.2835f				0.0S		5		143	0.13	1.29	a	kx BUD_GT	15328537	BUD			252

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

Magnitude Err Nsta Author OrigID

Sta	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	353.4	Pg	09:52:24.833	0.4					T__		226.7		---	MLv	15330458	FDSN	HU	--	BUD	BUD	HHN	HHZ	_
CSKK	0.13	353.4	Lg	09:52:26.418	-1.1					T__				---		15330459	FDSN	HU	--	BUD	BUD	HHE	???	_
HU08A	0.32	309.6	Lg	09:52:33.898	0.3					T__				---		15330460	FDSN	ZJ	00	BUD	BUD	HHE	???	_
MORH	1.04	166.1	Lg	09:52:55.891	-1.2					T__				---		15330461	FDSN	HU	--	BUD	BUD	BHE	???	_
PSZ	1.29	57.1	Sn	09:53:05.079	0.2					T__				---		15330462	FDSN	GE	--	BUD	BUD	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/09/12	09:58:15.30	0.80	1.07	48.4112	18.6201	4.5	2.7	39	0.0S		22	14	100	0.19	1.61	m	sx BUD	15315331	iLoc			105

(description : suspected quarry blast)
 (locality : Bzenica Slovakia)

Magnitude Err Nsta Author OrigID

ML 1.8 0.0 7 ILOC 15315331

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
A335A	0.19	280.8	Pg	09:58:19.842	0.3					T__		1002.4		---	MLv	15315333	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
A335A	0.19	280.8	Lg	09:58:22.896	-0.0					T__				---		15315334	FDSN	Z3	00	BUD	iLoc	HHN	???	_		
(Station ML : 1.8 1																										
A336A	0.31	125.0	Pg	09:58:22.698	0.9					T__		879.6		---	MLv	15315335	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
A336A	0.31	125.0	Lg	09:58:26.568	-0.2					T__				---		15315336	FDSN	Z3	00	BUD	iLoc	HH2	???	_		
(Station ML : 2.1 0																										
A332A	0.41	345.4	Pg	09:58:24.157	0.5					T__		211.6		---	MLv	15315337	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
A332A	0.41	345.4	Lg	09:58:29.911	0.4					T__				---		15315338	FDSN	Z3	00	BUD	iLoc	HHE	???	_		
(Station ML : 1.8 1																										
A338A	0.43	204.4	Lg	09:58:32.072	0.4					T__				---		15315339	FDSN	Z3	00	BUD	iLoc	HH2	???	_		
HU10A	0.63	154.6	Lg	09:58:37.299	-1.0					T__				---		15315340	FDSN	ZJ	00	BUD	iLoc	HHZ	???	_		
JAVC	0.77	305.8	Pg	09:58:31.163	-0.0					T__				---		15315341	FDSN	CZ	--	BUD	iLoc	BHZ	???	_		
JAVC	0.77	305.8	Lg	09:58:42.912	-0.3					T__				---		15315342	FDSN	CZ	--	BUD	iLoc	BHE	???	_		
A331A	0.79	340.5	Pn	09:58:32.225	-0.7					T__		70.9		---	MLv	15315343	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
(Station ML : 1.8 1																										
PSZ	0.99	119.6	Pn	09:58:35.280	-0.3					T__		57.5		---	MLv	15315344	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	0.99	119.6	Lg	09:58:48.033	-2.7					T__				---		15315345	FDSN	GE	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.8 1																										
ZST	1.04	258.6	Lg	09:58:51.045	-0.5					T__				---		15315346	FDSN	SK	--	BUD	iLoc	HHN	???	_		
KECS	1.24	86.0	Sn	09:58:56.637	-1.2					T__				---		15315347	FDSN	SK	--	BUD	iLoc	EHN	???	_		
JOS	1.28	85.5	Pn	09:58:40.041	0.6					T__		42.0		---	MLv	15315348	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_		
JOS	1.28	85.5	Sn	09:58:57.625	-1.0					T__				---		15315349	FDSN	ZJ	--	BUD	iLoc	HHN	???	_		
(Station ML : 1.8 1																										
HU02A	1.31	102.1	Pn	09:58:40.795	0.8					T__		33.9		---	MLv	15315350	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_		
HU02A	1.31	102.1	Sn	09:58:57.588	-1.9					T__				---		15315351	FDSN	ZJ	00	BUD	iLoc	HHE	???	_		
(Station ML : 1.8 0																										
MORC	1.54	333.0	Pn	09:58:44.317	0.8					T__				---		15315352	FDSN	CZ	--	BUD	iLoc	BHZ	???	_		
MORC	1.54	333.0	Lg	09:59:04.100	-1.2					T__				---		15315353	FDSN	CZ	--	BUD	iLoc	BHE	???	_		
VRAC	1.61	304.6	Sn	09:59:06.108	-1.4					T__				---		15315354	FDSN	CZ	--	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
2019/09/13	09:59:44.25	0.97	0.64	47.5538	18.4575	5.4	3.7	104	0.0S		8	6	114	0.10	1.25	m	kx BUD	15315384	iLoc			162
2019/09/13	09:59:44.26f	0.57	0.57	47.5600	18.4573f				0.0S		8		113	0.09	1.25	a	kx BUD_GT	15328543	BUD			161
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Tatabánya Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.1	3 BUD	15315384
ML	1.5	0.1	3 ILOC	15328543

Sta	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	09:59:46.922	0.2					T__		2734.1		---	MLv	15330463	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_		
HU09A	0.09	327.2	Lg	09:59:48.885	-0.2					T__				---		15330464	FDSN	ZJ	00	BUD	BUD	HHN	???	_		
(Station ML : 2.0 1																										
CSKK	0.24	214.2	Pg	09:59:49.629	0.1					T__		369.2		---	MLv	15330465	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_		
CSKK	0.24	214.2	Lg	09:59:53.474	-0.7					T__				---		15330466	FDSN	HU	--	BUD	BUD	HHN	???	_		
(Station ML : 1.5 1																										

HU08A	0.38	250.6	Pg	09:59:52.549	0.2	T__	128.7	___	MLv	15330467	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_	
(Station ML : 1.5 1																			
BUD	0.39	101.0	Lg	09:59:59.198	-0.3	T__		---		15330468	FDSN	HU	--	BUD	BUD	BHE	???	_	
HU10A	0.47	52.8	Lg	10:00:02.291	0.0	T__		---		15330469	FDSN	ZJ	00	BUD	BUD	HHN	???	_	
A332A	1.25	0.2	Sn	10:00:28.383	1.4	T__		---		15330470	FDSN	Z3	00	BUD	BUD	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/09/13	11:18:34.97	0.17	0.24	46.0985	21.7877	1.5	1.0	95	6.2F	2.9	12	140		0.19	1.32	a	ke BUC	15278947	ISC			360
2019/09/13	11:18:34.68	1.44	1.49	46.1312	21.6828	8.2	4.5	93	0.0A		9	141		0.14	2.17	a	sx KRSZO	15278950	ISC			360
2019/09/13	11:18:34.44	0.84	0.61	46.1220	21.7834	6.4	3.0	68	0.0S		24	7	138	0.17	1.34	m	sx BUD	15327137	iLoc			212

(description : suspected quarry blast)

(locality : Lipova Romania)

Magnitude	Err	Nsta	Author	OrigID
m1	1.3		BUC	15278947
ML	1.6		KRSZO	15278950
ML	1.6	0.3	4 ILOC	15327137

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
SIRR	0.17	329.8	Pg	11:18:38.537	0.2					T__		464.8		---	MLv	15327139	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.17	329.8	Lg	11:18:41.082	-0.5					T__				---		15327140	FDSN	RO	--	BUD	iLoc	BHE	???	_
SIRR	0.17	329.5	Lg	11:18:41.345	-0.3					T__		0.2		---		15327141	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.4 1																								
SURR	0.44	147.0	Pg	11:18:43.020	0.1					T__				---		15327143	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.44	147.0	Pg	11:18:43.020	0.1					T__				---		15327142	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.44	147.0	Lg	11:18:48.868	-0.3					T__				---		15327144	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.51	191.3	Pg	11:18:45.078	0.5					T__		32.8		---	MLv	15327145	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.51	191.3	Lg	11:18:51.706	-0.3					T__				---		15327146	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	0.52	193.0	Pg	11:18:44.547	-0.2					T__				---		15327147	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.52	193.0	Pg	11:18:44.547	-0.2					T__				---		15327148	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.2 1																								
DRGR	0.93	43.4	Pn	11:18:53.665	-0.2					T__				---		15327149	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.93	43.4	Pn	11:18:53.665	-0.2					T__				---		15327150	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.93	43.4	Lg	11:19:06.250	-0.5					T__				---		15327151	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.93	43.4	Pn	11:18:55.392	1.5					T__		71.5		---	MLv	15327152	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.93	43.4	Lg	11:19:07.067	0.3					T__				---		15327153	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.9 1																								
GZR	1.01	136.0	Pn	11:18:56.451	1.2					T__		54.5		---	MLv	15327154	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.01	136.0	Lg	11:19:07.503	-0.2					T__				---		15327155	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.01	136.0	Lg	11:19:07.503	-0.2					T__				---		15327156	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.01	136.0	Sn	11:19:09.758	-1.4					T__				---		15327157	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 1.8 1																								
MARR	1.08	58.6	Lg	11:19:11.243	-0.4					T__				---		15327158	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.08	58.6	Lg	11:19:11.243	-0.4					T__				---		15327159	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.34	182.1	Pn	11:18:59.858	0.1					T__				---		15327160	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.34	182.1	Pn	11:18:59.858	0.1					T__				---		15327161	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.34	182.1	Lg	11:19:18.765	0.4					T__				---		15327162	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/09/13	12:31:32.63	2.05	0.80	46.1397	21.5593	21.5	8.3	104	11.2F	21.5	7	4	216	0.14	1.13	m	ke BUD	15315407	iLoc			259

Magnitude	Err	Nsta	Author	OrigID
ML	1.1	0.6	3 ILOC	15315407

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
SIRR	0.14	29.8	Pg	12:31:36.629	0.2					T__		105.9		---	MLv	15315409	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.14	29.8	Lg	12:31:38.982	-0.4					T__				---		15315410	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 0.7 1																								
BZS	0.52	173.8	Pg	12:31:43.109	0.1					T__		23.2		---	MLv	15315411	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.52	173.8	Lg	12:31:50.059	-0.3					T__				---		15315412	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.1 1																								
DRGR	1.03	50.3	Pn	12:31:52.585	0.6					T__		35.7		---	MLv	15315413	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	1.03	50.3	Lg	12:32:05.687	-1.1					T__				---		15315414	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.6 1																								
GZR	1.13	130.8	Lg	12:32:09.536	0.3					T__				---		15315415	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	
2019/09/13	17:40:42.10	0.40		46.1680	16.6930	0.0	0.0		24.0F	3.8	32			1.20	5.12	a	ke BEO	15278998	ISC				360
2019/09/13	17:40:41.20		0.50	46.1110	16.6150				16.5A							a	ke LJU	15278988	ISC				360
2019/09/13	17:40:40.70			46.1800	16.7400				1.0A		15					a	ke PRU	15278986	ISC				360
2019/09/13	17:40:41.70	0.29		46.1020	16.6780	0.0	0.0		7.4F	2.4	19			0.37	3.59	a	ke RHSSO	15278995	ISC				360
2019/09/13	17:40:41.68	0.51	0.82	46.1904	16.5807	3.0	2.1	117	13.8F	1.8	44		2	1.17	3.92	a	ke VIE	15278991	ISC				360
2019/09/13	17:40:41.60	0.51	1.26	46.1181	16.6604	2.6	2.3	130	15.4F	0.6	245	112	13	0.14	5.12	m	ke BUD	15315473	iLoc				20

Magnitude	Err	Nsta	Author	OrigID
ML	2.7		BEO	15278998
ML	2.6		LJU	15278988
ML	2.8		RHSSO	15278995
mb	2.1		VIE	15278991
m1	2.7		VIE	15278991
ML	3.1	0.2	38 ILOC	15315473

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
KALN	0.14	275.3	Pg	17:40:44.290	-1.5					T__				---		15315475	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.14	275.3	Lg	17:40:46.490	-2.4					T__				---		15315476	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.36	12.7	Pg	17:40:48.800	-0.5					T__		3.1		---		15315477	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.36	12.7	Pb	17:40:49.000	-0.3					T__				---		15315478	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.36	12.7	Lg	17:40:54.900	0.2					T__				---		15315479	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.36	12.7	Pg	17:40:49.257	-0.1					T__		3063.0		---	MLv	15315480	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BEHE	0.36	12.7	Lg	17:40:55.221	0.5					T__				---		15315481	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 2.8 0																								
LOB0	0.41	275.3	Pg	17:40:48.920	-1.1					T__				---		15315482	FDSN	IR	--	ISC	iLoc	???	???	_
LOB0	0.41	275.3	Lg	17:40:54.440	-1.7					T__				---		15315483	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.44	319.4	Pg	17:40:49.700	-0.7					T__		12.7		---		15315484	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.44	319.4	IAML	17:40:57.740	-99.0					---		448.0	0.17	---		15315485	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.44	319.4	Pg	17:40:50.069	-0.4					T__		12746.4		---	MLv	15315486	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.44	319.4	Lg	17:40:56.117	-0.5					T__				---		15315487	FDSN	SL	--	BUD	iLoc	BHE	???	_
(Station ML : 3.6 0																								
A264A	0.44	84.4	Pg	17:40:50.708	0.0					T__		3894.3		---	MLv	15315488	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_

A264A	0.44	84.4	Lg	17:40:57.718	0.8	T__	---	15315489	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 3.1 1)																
MOSL	0.51	172.6	Pg	17:40:51.000	-0.9	T__	---	15315490	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.51	172.6	Pb	17:40:51.210	-0.7	T__	---	15315491	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.51	172.6	Lg	17:40:57.900	-1.2	T__	---	15315492	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.53	246.6	Pg	17:40:51.720	-0.2	T__	2552.2	MLv	15315493	FDSN	CR	--	BUD	iLoc	BHZ	BHZ
PTJ	0.53	246.6	Lg	17:40:59.217	-0.4	T__	---	15315494	FDSN	CR	--	BUD	iLoc	BHN	???	_
PTJ	0.53	246.6	Pg	17:40:51.600	-0.7	T__	2.6	---	15315495	FDSN	IR	--	ISC	iLoc	???	???
PTJ	0.53	246.6	Pg	17:40:51.610	-0.7	T__	---	15315496	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.53	246.6	Lg	17:40:58.400	-1.9	T__	---	15315497	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 3.2 1)																
ZAG	0.55	238.4	Pg	17:40:52.420	0.0	T__	---	15315498	FDSN	IR	--	ISC	iLoc	???	???	_
ZAG	0.55	238.4	Pn	17:40:54.500	-0.4	T__	6.6	---	15315499	FDSN	IR	--	ISC	iLoc	???	???
ZAG	0.55	238.4	Lg	17:40:59.940	-0.5	T__	---	15315500	FDSN	IR	--	ISC	iLoc	???	???	_
ZAG	0.55	238.4	Pg	17:40:52.591	0.2	T__	6634.3	MLv	15315501	FDSN	CR	--	BUD	iLoc	BHZ	BHZ
ZAG	0.55	238.4	Lg	17:41:00.813	0.4	T__	---	15315502	FDSN	CR	--	BUD	iLoc	BHE	???	_
(Station ML : 3.6 0)																
A263A	0.69	40.7	Pn	17:40:54.992	-0.7	T__	3557.0	MLv	15315503	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ
A263A	0.69	40.7	Sn	17:41:05.786	-0.5	T__	---	15315504	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 3.4 1)																
GOLS	0.73	261.9	Pg	17:40:55.230	-0.3	T__	---	15315505	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.73	261.9	IAML	17:41:11.440	-99.0	---	246.0	0.22	15315506	FDSN	IR	--	ISC	iLoc	???	???
A262A	0.75	353.0	Pn	17:40:56.544	-0.1	---	4702.8	MLv	15315507	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ
A262A	0.75	353.0	Sn	17:41:07.964	0.4	T__	---	15315508	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 3.6 0)																
DOBS	0.83	272.6	Pg	17:40:56.850	-0.3	T__	---	15315509	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.83	272.6	IAML	17:41:12.930	-99.0	---	118.0	0.20	15315510	FDSN	IR	--	ISC	iLoc	???	???
A273A	0.83	103.7	Pg	17:40:58.238	0.4	T__	1313.2	MLv	15315511	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ
A273A	0.83	103.7	Sn	17:41:10.782	1.3	T__	---	15315512	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 3.1 1)																
A265A	0.84	68.3	Pg	17:40:57.829	-0.3	T__	4715.3	MLv	15315513	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ
A265A	0.84	68.3	Sn	17:41:10.533	0.7	T__	---	15315514	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 3.6 0)																
A021A	0.86	318.2	Pg	17:40:57.563	-0.3	T__	3511.7	MLv	15315515	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ
A021A	0.86	318.2	Sn	17:41:10.840	0.7	T__	---	15315516	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 3.5 1)																
GROS	0.87	293.5	Pg	17:40:57.610	-0.6	T__	---	15315517	FDSN	IR	--	ISC	iLoc	???	???	_
GROS	0.87	293.5	Lg	17:41:10.430	-0.2	T__	---	15315518	FDSN	IR	--	ISC	iLoc	???	???	_
GROS	0.87	293.5	IAML	17:41:11.750	-99.0	---	28.8	0.08	15315519	FDSN	IR	--	ISC	iLoc	???	???
CRES	0.89	251.2	Pg	17:40:58.215	-0.0	T__	6126.1	MLv	15315520	FDSN	SL	--	BUD	iLoc	BHZ	BHZ
CRES	0.89	251.2	Sn	17:41:11.383	-0.4	T__	---	15315521	FDSN	SL	--	BUD	iLoc	BHN	???	_
(Station ML : 3.8 0)																
A261A	0.90	21.8	Pg	17:40:58.377	-0.7	T__	1334.6	MLv	15315522	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ
A261A	0.90	21.8	Sn	17:41:12.729	1.6	T__	---	15315523	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 3.1 1)																
OZLJ	0.97	239.3	Pg	17:40:59.800	0.2	T__	---	15315524	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	0.97	239.3	Pb	17:41:00.100	0.5	T__	---	15315525	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	0.97	239.3	Sn	17:41:12.400	-1.2	T__	---	15315526	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	0.97	239.3	Lg	17:41:12.850	-1.4	T__	---	15315527	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	1.00	91.2	Pn	17:40:59.600	-0.3	T__	1.7	---	15315528	FDSN	IR	--	ISC	iLoc	???	???
KOVH	1.00	91.2	Pn	17:40:59.600	-0.3	T__	---	15315529	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	1.00	91.2	Pn	17:40:59.984	0.1	T__	1650.9	MLv	15315530	FDSN	HU	--	BUD	iLoc	BHZ	BHZ
KOVH	1.00	91.2	Sn	17:41:13.554	-0.2	T__	---	15315531	FDSN	HU	--	BUD	iLoc	BHN	???	_

(Station ML : 3.3 1															
A010A	1.04 337.5 Pg	17:41:01.155	0.0	T__	847.1	---	MLv	15315532	FDSN	Z3	00 BUD	iLoc	HHZ	HHZ	_
A010A	1.04 337.5 Lg	17:41:15.250	0.6	T__		---		15315533	FDSN	Z3	00 BUD	iLoc	HHE	???	_
(Station ML : 3.0 1															
TIH	1.15 46.9 Pg	17:41:02.341	-1.5	T__	2809.8	---	MLv	15315534	FDSN	HU	-- BUD	iLoc	HHZ	HHZ	_
TIH	1.16 47.0 Pg	17:41:03.700	-0.2	T__	2.8	---		15315535	FDSN	IR	-- ISC	iLoc	???	???	_
TIH	1.16 47.0 Pg	17:41:03.700	-0.2	T__		---		15315536	FDSN	IR	-- ISC	iLoc	???	???	_
(Station ML : 3.6 1															
BOJS	1.16 238.6 Pn	17:41:02.800	0.0	T__		---		15315537	FDSN	IR	-- ISC	iLoc	???	???	_
BOJS	1.16 238.6 Lg	17:41:21.300	0.6	T__		---		15315538	FDSN	IR	-- ISC	iLoc	???	???	_
A260A	1.17 1.5 Pg	17:41:02.647	-1.4	T__	907.2	---	MLv	15315539	FDSN	Z3	00 BUD	iLoc	HHZ	HHZ	_
A260A	1.17 1.5 Pb	17:41:04.895	0.8	T__		---		15315540	FDSN	Z3	00 BUD	iLoc	HHZ	???	_
A260A	1.17 1.5 Lg	17:41:21.206	1.9	T__		---		15315541	FDSN	Z3	00 BUD	iLoc	HHN	???	_
(Station ML : 3.1 1															
A266A	1.18 69.3 Pn	17:41:02.706	0.3	T__	1594.9	---	MLv	15315542	FDSN	Z3	00 BUD	iLoc	HHZ	HHZ	_
A266A	1.18 69.3 Pg	17:41:05.992	1.5	T__		---		15315543	FDSN	Z3	00 BUD	iLoc	HHZ	???	_
A266A	1.18 69.3 Lg	17:41:21.961	1.0	T__		---		15315544	FDSN	Z3	00 BUD	iLoc	HHE	???	_
(Station ML : 3.4 1															
SOKA	1.26 297.0 Pn	17:41:03.708	-0.5	T__	3.9	0.16	---	15315545	FDSN	IR	-- ISC	iLoc	???	???	_
SOKA	1.26 297.0 Sn	17:41:20.887	0.5	T__	37.0	0.26	---	15315546	FDSN	IR	-- ISC	iLoc	???	???	_
ARSA	1.38 325.8 Pn	17:41:05.804	0.3	T__	396.1		---	15315547	FDSN	OE	-- BUD	iLoc	BHZ	BHZ	_
ARSA	1.38 325.8 Lg	17:41:23.714	-1.4	T__			---	15315548	FDSN	OE	-- BUD	iLoc	BHE	???	_
ARSA	1.38 325.8 Pg	17:41:07.100	0.1	T__			---	15315549	FDSN	IR	-- ISC	iLoc	???	???	_
ARSA	1.38 325.8 Lg	17:41:24.900	-0.2	T__			---	15315550	FDSN	IR	-- ISC	iLoc	???	???	_
(Station ML : 2.9 0															
EGYH	1.38 19.3 Pg	17:41:08.093	-0.1	T__	765.4		---	15315551	FDSN	HU	-- BUD	iLoc	HHZ	HHZ	_
EGYH	1.38 19.3 Lg	17:41:23.852	-3.4	T__			---	15315552	FDSN	HU	-- BUD	iLoc	HHN	???	_
(Station ML : 3.2 1															
A011B	1.38 339.8 Pg	17:41:07.264	-0.4	T__	229.8		---	15315553	FDSN	Z3	00 BUD	iLoc	HH2	HHZ	_
A011B	1.38 339.8 Lg	17:41:25.009	-0.2	T__			---	15315554	FDSN	Z3	00 BUD	iLoc	HH2	???	_
(Station ML : 2.6 0															
EGYH	1.38 19.3 Pg	17:41:08.300	0.0	T__	0.8		---	15315555	FDSN	IR	-- ISC	iLoc	???	???	_
EGYH	1.38 19.3 Pg	17:41:08.300	0.0	T__			---	15315556	FDSN	IR	-- ISC	iLoc	???	???	_
(Station ML : 3.2 1															
BLY	1.38 164.4 Pg	17:41:07.740	0.6	T__	440.3		---	15315557	FDSN	MN	-- BUD	iLoc	BHZ	BHZ	_
BLY	1.38 164.4 Lg	17:41:27.325	2.4	T__			---	15315558	FDSN	MN	-- BUD	iLoc	BHE	???	_
(Station ML : 2.9 1															
MORH	1.38 85.3 Pn	17:41:05.500	0.5	T__	0.1		---	15315559	FDSN	IR	-- ISC	iLoc	???	???	_
MORH	1.38 85.3 Pg	17:41:05.800	-2.2	T__			---	15315560	FDSN	IR	-- ISC	iLoc	???	???	_
MORH	1.38 85.3 Pb	17:41:07.226	-0.8	T__			---	15315561	FDSN	IR	-- ISC	iLoc	???	???	_
MORH	1.38 85.3 Sn	17:41:24.700	1.8	T__			---	15315562	FDSN	IR	-- ISC	iLoc	???	???	_
MORH	1.38 85.3 Lg	17:41:27.250	-0.2	T__			---	15315563	FDSN	IR	-- ISC	iLoc	???	???	_
MORH	1.38 85.2 Pn	17:41:04.938	-0.1	T__	134.7		---	15315564	FDSN	HU	-- BUD	iLoc	BHZ	BHZ	_
(Station ML : 2.4 0															
BLY	1.42 164.7 Pn	17:41:07.300	1.2	T__			---	15315565	FDSN	IR	-- ISC	iLoc	???	???	_
BLY	1.42 164.7 Pg	17:41:07.578	-0.2	T__			---	15315566	FDSN	IR	-- ISC	iLoc	???	???	_
BLY	1.42 164.7 Pb	17:41:08.400	0.6	T__			---	15315567	FDSN	IR	-- ISC	iLoc	???	???	_
BLY	1.42 164.7 Sn	17:41:26.300	2.1	T__			---	15315568	FDSN	IR	-- ISC	iLoc	???	???	_
BLY	1.42 164.7 Lg	17:41:27.200	1.1	T__			---	15315569	FDSN	IR	-- ISC	iLoc	???	???	_
PLIT	1.44 210.8 Pn	17:41:06.950	0.2	T__			---	15315570	FDSN	IR	-- ISC	iLoc	???	???	_
PLIT	1.44 210.8 Sn	17:41:26.810	1.3	T__			---	15315571	FDSN	IR	-- ISC	iLoc	???	???	_
LJU	1.49 267.9 Pg	17:41:08.800	0.5	T__			---	15315572	FDSN	IR	-- ISC	iLoc	???	???	_
LJU	1.49 267.9 Lg	17:41:29.900	-0.3	T__			---	15315573	FDSN	IR	-- ISC	iLoc	???	???	_

A267A	1.51	56.0	Pn	17:41:06.601	-0.2	T__	752.1	___	MLv	15315574	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A267A	1.51	56.0	Lg	17:41:32.390	-0.6	T__		___		15315575	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
(Station ML : 3.2 1)																			
OBKA	1.51	285.7	Pn	17:41:07.537	-0.4	T__	1.3	0.12	___	15315576	FDSN	IR	--	ISC	iLoc	???	???	_	
OBKA	1.51	285.7	Pg	17:41:09.400	0.4	T__			___	15315577	FDSN	IR	--	ISC	iLoc	???	???	_	
OBKA	1.51	285.7	Lg	17:41:29.417	-0.8	T__	60.1	0.36	___	15315578	FDSN	IR	--	ISC	iLoc	???	???	_	
OBKA	1.51	285.7	Pn	17:41:07.660	-0.3	T__	197.7		___	15315579	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_	
OBKA	1.51	285.7	Lg	17:41:31.484	1.2	T__			___	15315580	FDSN	OE	--	BUD	iLoc	BHE	???	_	
(Station ML : 2.6 0)																			
SOP	1.57	357.5	Pg	17:41:09.600	-2.2	T__	206.7		___	15315581	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
SOP	1.57	357.5	Pg	17:41:14.900	3.1	T__			___	15315582	FDSN	IR	--	ISC	iLoc	???	???	_	
SOP	1.57	357.5	Lg	17:41:31.949	-0.2	T__			___	15315583	FDSN	HU	--	BUD	iLoc	BHE	???	_	
(Station ML : 2.7 0)																			
HU08A	1.57	33.0	Pn	17:41:08.408	0.5	T__	363.2		___	15315584	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
HU08A	1.57	33.0	Pg	17:41:11.148	-0.8	T__			___	15315585	FDSN	ZJ	00	BUD	iLoc	HHZ	???	_	
(Station ML : 2.9 1)																			
RONA	1.60	351.2	Pn	17:41:08.919	0.3	T__	2.7	0.12	___	15315586	FDSN	IR	--	ISC	iLoc	???	???	_	
RONA	1.60	351.2	Sn	17:41:29.031	0.7	T__	19.1	0.26	___	15315587	FDSN	IR	--	ISC	iLoc	???	???	_	
CEY	1.60	257.1	Pg	17:41:12.400	2.1	T__			___	15315588	FDSN	IR	--	ISC	iLoc	???	???	_	
CEY	1.60	257.1	Lg	17:41:34.200	-2.3	T__			___	15315589	FDSN	IR	--	ISC	iLoc	???	???	_	
UDBI	1.71	202.0	Pn	17:41:11.220	0.5	T__			___	15315590	FDSN	IR	--	ISC	iLoc	???	???	_	
UDBI	1.71	202.0	Sn	17:41:34.600	1.8	T__			___	15315591	FDSN	IR	--	ISC	iLoc	???	???	_	
A272A	1.71	67.7	Lg	17:41:39.017	-1.2	T__			___	15315592	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
A019A	1.71	321.4	Pn	17:41:10.987	0.5	T__	278.9		___	15315593	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A019A	1.71	321.4	Pg	17:41:13.853	0.8	T__			___	15315594	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
(Station ML : 2.9 1)																			
RIY	1.72	243.3	Pn	17:41:10.300	-0.0	T__			___	15315595	FDSN	IR	--	ISC	iLoc	???	???	_	
RIY	1.72	243.3	Pg	17:41:12.440	0.1	T__			___	15315596	FDSN	IR	--	ISC	iLoc	???	???	_	
RIY	1.72	243.3	Sn	17:41:32.000	0.1	T__			___	15315597	FDSN	IR	--	ISC	iLoc	???	???	_	
RIY	1.72	243.3	Lg	17:41:34.530	-5.5	T__			___	15315598	FDSN	IR	--	ISC	iLoc	???	???	_	
HU22A	1.73	82.1	Pg	17:41:16.841	2.3	T__	664.0		___	15315599	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
(Station ML : 3.3 1)																			
CONA	1.89	343.5	Pn	17:41:12.780	0.0	T__	130.2		___	15315600	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_	
CONA	1.89	343.5	Lg	17:41:38.614	-2.8	T__			___	15315601	FDSN	OE	--	BUD	iLoc	BHN	???	_	
CONA	1.89	343.5	Pg	17:41:17.400	0.4	T__			___	15315602	FDSN	IR	--	ISC	iLoc	???	???	_	
CONA	1.89	343.5	Sn	17:41:35.967	0.2	T__	10.0	0.32	___	15315603	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 2.7 0)																			
RABC	1.90	224.7	Pn	17:41:13.840	0.9	T__			___	15315604	FDSN	IR	--	ISC	iLoc	???	???	_	
RABC	1.90	224.7	Sn	17:41:38.240	1.8	T__			___	15315605	FDSN	IR	--	ISC	iLoc	???	???	_	
SKDS	1.94	253.8	Pn	17:41:13.500	0.2	T__			___	15315606	FDSN	IR	--	ISC	iLoc	???	???	_	
SKDS	1.94	253.8	Lg	17:41:46.300	-2.5	T__			___	15315607	FDSN	IR	--	ISC	iLoc	???	???	_	
NVLJ	2.00	219.7	Pn	17:41:15.340	1.0	T__			___	15315608	FDSN	IR	--	ISC	iLoc	???	???	_	
NVLJ	2.00	219.7	Sn	17:41:39.990	0.9	T__			___	15315609	FDSN	IR	--	ISC	iLoc	???	???	_	
SRO	2.04	33.1	Pg	17:41:20.469	-0.8	T__	1179.3		___	15315610	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_	
(Station ML : 3.7 0)																			
HU04A	2.07	69.4	Lg	17:41:49.664	-2.6	T__			___	15315611	FDSN	ZJ	00	BUD	iLoc	HHN	???	_	
ZST	2.10	8.1	Pn	17:41:15.946	0.6	T__			___	15315612	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KIJV	2.12	185.0	Pn	17:41:17.200	0.9	T__			___	15315613	FDSN	IR	--	ISC	iLoc	???	???	_	
KIJV	2.12	185.0	Pg	17:41:17.400	-2.6	T__			___	15315614	FDSN	IR	--	ISC	iLoc	???	???	_	
KIJV	2.12	185.0	Sn	17:41:43.600	0.7	T__			___	15315615	FDSN	IR	--	ISC	iLoc	???	???	_	
KIJV	2.12	185.0	Lg	17:41:44.730	-3.5	T__			___	15315616	FDSN	IR	--	ISC	iLoc	???	???	_	
BUD	2.12	49.1	Pg	17:41:24.600	0.8	T__			___	15315617	FDSN	IR	--	ISC	iLoc	???	???	_	
VIRC	2.15	212.5	Pn	17:41:17.630	1.2	T__			___	15315618	FDSN	IR	--	ISC	iLoc	???	???	_	

VIRC	2.15	212.5	Sn	17:41:44.680	1.6	T__			15315619	FDSN	IR	--	ISC	iLoc	???	???	_	
MYKA	2.15	284.8	Pn	17:41:16.964	0.1	T__	1.6	0.22	---	15315620	FDSN	IR	--	ISC	iLoc	???	???	_
MYKA	2.15	284.8	Lg	17:41:50.034	0.7	T__	3.9	0.20	---	15315621	FDSN	IR	--	ISC	iLoc	???	???	_
A338A	2.22	30.7	Pg	17:41:23.461	-1.6	T__	255.1		---	15315622	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 3.1 1)																		
MORI	2.35	197.1	Pn	17:41:20.630	1.1	T__			---	15315623	FDSN	IR	--	ISC	iLoc	???	???	_
MORI	2.35	197.1	Sn	17:41:49.260	0.4	T__			---	15315624	FDSN	IR	--	ISC	iLoc	???	???	_
BRJN	2.38	240.4	Pn	17:41:20.220	1.0	T__			---	15315625	FDSN	IR	--	ISC	iLoc	???	???	_
BRJN	2.38	240.4	Pg	17:41:20.500	-3.3	T__			---	15315626	FDSN	IR	--	ISC	iLoc	???	???	_
BRJN	2.38	240.4	Sn	17:41:49.130	0.7	T__			---	15315627	FDSN	IR	--	ISC	iLoc	???	???	_
BRJN	2.38	240.4	Lg	17:41:50.300	-10.4	T__			---	15315628	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	2.38	317.4	Pn	17:41:20.552	0.8	T__	1.2	0.12	---	15315629	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	2.38	317.4	Pg	17:41:20.800	-4.0	T__			---	15315630	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	2.38	317.4	Sn	17:41:48.500	0.6	T__			---	15315631	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	2.38	317.4	Lg	17:41:48.853	-7.5	T__	6.5	0.26	---	15315632	FDSN	IR	--	ISC	iLoc	???	???	_
DUGI	2.41	208.7	Pn	17:41:21.130	0.9	T__			---	15315633	FDSN	IR	--	ISC	iLoc	???	???	_
DUGI	2.41	208.7	Sn	17:41:50.580	0.3	T__			---	15315634	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	2.44	112.7	Lg	17:42:01.326	-3.8	T__			---	15315635	FDSN	SJ	--	BUD	iLoc	HHN	???	_
KBA	2.48	294.0	Lg	17:42:00.041	-0.2	T__	5.5	0.30	---	15315636	FDSN	IR	--	ISC	iLoc	???	???	_
TEKS	2.56	126.8	Pn	17:41:21.800	0.1	T__			---	15315637	FDSN	IR	--	ISC	iLoc	???	???	_
TEKS	2.56	126.8	Sn	17:41:54.400	2.5	T__			---	15315638	FDSN	IR	--	ISC	iLoc	???	???	_
ZIRJ	2.57	196.7	Pn	17:41:23.590	1.0	T__			---	15315639	FDSN	IR	--	ISC	iLoc	???	???	_
ZIRJ	2.57	196.7	Sn	17:41:54.180	-0.3	T__			---	15315640	FDSN	IR	--	ISC	iLoc	???	???	_
BIOA	2.60	308.3	Pn	17:41:23.824	0.9	T__	1.9	0.16	---	15315641	FDSN	IR	--	ISC	iLoc	???	???	_
BIOA	2.60	308.3	Sn	17:41:54.563	1.3	T__	8.6	0.32	---	15315642	FDSN	IR	--	ISC	iLoc	???	???	_
RICI	2.65	172.5	Pn	17:41:24.630	1.0	T__			---	15315643	FDSN	IR	--	ISC	iLoc	???	???	_
RICI	2.65	172.5	Sn	17:41:57.190	1.4	T__			---	15315644	FDSN	IR	--	ISC	iLoc	???	???	_
HU03A	2.69	47.3	Sn	17:41:55.740	0.4	T__			---	15315645	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
A007A	2.71	343.9	Pg	17:41:32.231	0.5	T__	102.1		---	15315646	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A007A	2.71	343.9	Sn	17:41:57.326	1.4	T__			---	15315647	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A007A	2.71	343.9	Lg	17:42:08.285	1.1	T__			---	15315648	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
(Station ML : 3.0 1)																		
JAVC	2.83	13.7	Pn	17:41:26.568	1.0	T__			---	15315649	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	2.83	13.7	Sn	17:42:01.784	2.4	T__			---	15315650	FDSN	CZ	--	BUD	iLoc	BHN	???	_
JAVC	2.83	13.7	Lg	17:42:15.254	1.7	T__			---	15315651	FDSN	CZ	--	BUD	iLoc	BHN	???	_
JAVC	2.83	13.7	Pn	17:41:26.200	0.6	T__			---	15315652	FDSN	IR	--	ISC	iLoc	???	???	_
MAKA	2.84	174.7	Pn	17:41:26.690	0.4	T__			---	15315653	FDSN	IR	--	ISC	iLoc	???	???	_
MAKA	2.84	174.7	Sn	17:42:01.910	1.3	T__			---	15315654	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	2.85	49.7	Pn	17:41:25.961	0.2	T__	77.6		---	15315655	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	2.85	49.7	Sn	17:42:01.429	1.6	T__			---	15315656	FDSN	GE	--	BUD	iLoc	BHN	???	_
PSZ	2.85	49.7	Pn	17:41:26.369	0.6	T__			---	15315657	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	2.85	49.7	Pg	17:41:36.900	0.3	T__			---	15315658	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 3.0 1)																		
ABTA	2.94	283.9	Pn	17:41:27.046	-0.7	T__	0.5	0.18	---	15315659	FDSN	IR	--	ISC	iLoc	???	???	_
ABTA	2.94	283.9	Sn	17:42:01.691	-0.3	T__	2.7	0.34	---	15315660	FDSN	IR	--	ISC	iLoc	???	???	_
ABTA	2.94	283.9	Lg	17:42:16.944	3.0	T__	2.9	0.34	---	15315661	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	2.95	356.6	Pn	17:41:27.200	0.0	T__			---	15315662	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	2.95	356.6	Sn	17:42:00.200	-1.2	T__			---	15315663	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	2.95	356.6	Pn	17:41:27.346	0.2	T__			---	15315664	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
BBLs	2.98	138.2	Pn	17:41:28.800	1.0	T__			---	15315665	FDSN	IR	--	ISC	iLoc	???	???	_
BBLs	2.98	138.2	Sn	17:42:04.300	2.1	T__			---	15315666	FDSN	IR	--	ISC	iLoc	???	???	_
BBLs	2.98	138.1	Pn	17:41:28.691	1.1	T__	439.7		---	15315667	FDSN	SJ	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 3.8 0)																		

LESA	3.03	296.9	Pn	17:41:29.373	0.1	T__	1.1	0.22	---	15315668	FDSN	IR	--	ISC	iLoc	???	???	_	
LESA	3.03	296.9	Sn	17:42:03.699	-0.5	T__	2.6	0.30	---	15315669	FDSN	IR	--	ISC	iLoc	???	???	_	
DIVS	3.11	129.4	Pn	17:41:30.000	0.5	T__			---	15315670	FDSN	IR	--	ISC	iLoc	???	???	_	
CKRC	3.14	330.3	Sn	17:42:07.129	0.4	T__			---	15315671	FDSN	CZ	--	BUD	iLoc	BHE	???	_	
CKRC	3.14	330.3	Pn	17:41:31.500	1.6	T__			---	15315672	FDSN	IR	--	ISC	iLoc	???	???	_	
RUDD	3.16	141.4	Pn	17:41:31.900	1.6	T__			---	15315673	FDSN	IR	--	ISC	iLoc	???	???	_	
RUDD	3.16	141.4	Sn	17:42:08.900	2.5	T__			---	15315674	FDSN	IR	--	ISC	iLoc	???	???	_	
VRAC	3.19	359.2	Pn	17:41:29.939	-0.6	T__			---	15315675	FDSN	IR	--	ISC	iLoc	???	???	_	
VRAC	3.19	359.2	Pg	17:41:30.500	-10.6	---			---	15315676	FDSN	IR	--	ISC	iLoc	???	???	_	
VRAC	3.19	359.2	Sn	17:42:05.300	-2.1	T__			---	15315677	FDSN	IR	--	ISC	iLoc	???	???	_	
VRAC	3.19	359.2	Pn	17:41:30.672	0.2	T__			---	15315678	FDSN	CZ	--	BUD	iLoc	BHZ	???	_	
KLINJ	3.25	154.3	Pn	17:41:32.600	0.5	T__			---	15315679	FDSN	IR	--	ISC	iLoc	???	???	_	
TRUS	3.26	124.2	Pn	17:41:32.100	0.7	T__			---	15315680	FDSN	IR	--	ISC	iLoc	???	???	_	
HU02A	3.31	51.4	Pg	17:41:44.531	-1.1	T__	41.0		---	MLv	15315681	FDSN	ZJ	00	BUD	iLoc	HHE	HHZ	_
HU02A	3.31	51.4	Sn	17:42:09.833	-0.9	T__			---	15315682	FDSN	ZJ	00	BUD	iLoc	HHN	???	_	
(Station ML : 3.0 1																			
MAUC	3.34	13.2	Sn	17:42:11.700	-0.3	T__			---	15315683	FDSN	IR	--	ISC	iLoc	???	???	_	
LSTV	3.35	177.1	Pn	17:41:34.060	0.5	T__			---	15315684	FDSN	IR	--	ISC	iLoc	???	???	_	
LSTV	3.35	177.1	Sn	17:42:13.460	-0.8	T__			---	15315685	FDSN	IR	--	ISC	iLoc	???	???	_	
VRSS	3.42	105.2	Pn	17:41:33.600	-0.1	T__			---	15315686	FDSN	IR	--	ISC	iLoc	???	???	_	
SIRR	3.48	85.7	Pn	17:41:35.648	1.3	T__			---	15315687	FDSN	IR	--	ISC	iLoc	???	???	_	
SIRR	3.48	85.8	Lg	17:42:34.050	0.5	T__			---	15315688	FDSN	RO	--	BUD	iLoc	BHN	???	_	
BZS	3.50	96.5	Pn	17:41:35.256	0.5	T__			---	15315689	FDSN	IR	--	ISC	iLoc	???	???	_	
BZS	3.51	96.4	Pn	17:41:34.648	-0.3	T__	38.9		---	MLv	15315690	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	3.51	96.4	Sn	17:42:16.080	0.6	T__			---	15315691	FDSN	RO	--	BUD	iLoc	BHN	???	_	
(Station ML : 3.0 1																			
JOS	3.55	46.6	Pn	17:41:35.246	0.0	T__	47.7		---	MLv	15315692	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	3.55	46.6	Sn	17:42:17.330	1.1	T__			---	15315693	FDSN	ZJ	--	BUD	iLoc	HHN	???	_	
(Station ML : 3.2 1																			
IVAS	3.55	134.4	Pn	17:41:36.300	0.5	T__			---	15315694	FDSN	IR	--	ISC	iLoc	???	???	_	
DBRK	3.61	162.3	Pn	17:41:38.680	1.7	T__			---	15315695	FDSN	IR	--	ISC	iLoc	???	???	_	
DBRK	3.61	162.3	Sn	17:42:19.720	-0.2	T__			---	15315696	FDSN	IR	--	ISC	iLoc	???	???	_	
TREB	3.61	159.8	Pn	17:41:37.600	0.6	T__			---	15315697	FDSN	IR	--	ISC	iLoc	???	???	_	
TREB	3.61	159.8	Sn	17:42:19.900	0.3	T__			---	15315698	FDSN	IR	--	ISC	iLoc	???	???	_	
GRUS	3.64	126.3	Pn	17:41:37.600	0.9	T__			---	15315699	FDSN	IR	--	ISC	iLoc	???	???	_	
WTTA	3.64	290.1	Pn	17:41:38.213	0.4	T__	1.1	0.24	---	15315700	FDSN	IR	--	ISC	iLoc	???	???	_	
WTTA	3.64	290.1	Sn	17:42:20.298	1.1	T__	1.4	0.26	---	15315701	FDSN	IR	--	ISC	iLoc	???	???	_	
KHC	3.66	326.5	Pn	17:41:38.400	1.4	T__			---	15315702	FDSN	IR	--	ISC	iLoc	???	???	_	
KHC	3.66	326.5	Sn	17:42:20.000	0.3	T__			---	15315703	FDSN	IR	--	ISC	iLoc	???	???	_	
KHC	3.66	326.5	Lg	17:42:36.100	-0.3	T__			---	15315704	FDSN	IR	--	ISC	iLoc	???	???	_	
MORC	3.71	8.9	Pn	17:41:38.515	0.8	T__			---	15315705	FDSN	CZ	--	BUD	iLoc	BHZ	???	_	
MORC	3.71	8.9	Sn	17:42:20.684	-0.3	T__			---	15315706	FDSN	CZ	--	BUD	iLoc	BHE	???	_	
MORC	3.71	8.9	Pn	17:41:36.961	-0.8	T__			---	15315707	FDSN	IR	--	ISC	iLoc	???	???	_	
MORC	3.71	8.9	Pg	17:41:38.400	-12.3	---			---	15315708	FDSN	IR	--	ISC	iLoc	???	???	_	
MORC	3.71	8.9	Sn	17:42:18.400	-2.6	T__			---	15315709	FDSN	IR	--	ISC	iLoc	???	???	_	
ZVC	3.72	334.3	Pn	17:41:39.300	1.5	T__			---	15315710	FDSN	IR	--	ISC	iLoc	???	???	_	
MDVR	3.80	108.8	Pn	17:41:39.704	0.6	T__			---	15315711	FDSN	IR	--	ISC	iLoc	???	???	_	
ABAH	3.81	53.4	Sn	17:42:22.482	0.4	T__			---	15315712	FDSN	HU	--	BUD	iLoc	HHN	???	_	
SURR	3.83	93.5	Pn	17:41:39.658	0.3	T__			---	15315713	FDSN	IR	--	ISC	iLoc	???	???	_	
OKC	3.85	14.5	Sn	17:42:24.017	-0.4	T__			---	15315714	FDSN	CZ	--	BUD	iLoc	BHN	???	_	
GOCS	3.94	129.0	Pn	17:41:41.900	0.6	T__			---	15315715	FDSN	IR	--	ISC	iLoc	???	???	_	
KRLC	3.96	1.1	Pn	17:41:42.300	0.9	T__			---	15315716	FDSN	IR	--	ISC	iLoc	???	???	_	
MOTA	4.01	289.8	Lg	17:42:50.783	3.7	T__	7.9	0.76	---	15315717	FDSN	IR	--	ISC	iLoc	???	???	_	

PRU	4.13	340.6	Sn	17:42:32.290	2.6	T__	---	15315718	FDSN	CZ	--	BUD	iLoc	BHN	???	???	_	
SELS	4.30	130.8	Pn	17:41:47.100	0.9	T__	---	15315719	FDSN	IR	--	ISC	iLoc	???	???	???	_	
GZR	4.34	97.4	Pn	17:41:46.599	-0.2	T__	---	15315720	FDSN	IR	--	ISC	iLoc	???	???	???	_	
GZR	4.34	97.4	Pn	17:41:46.911	0.1	T__	41.1	---	MLv	15315721	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 3.3 1																		
ZAGS	4.58	118.2	Pn	17:41:50.000	0.3	T__	---	15315722	FDSN	IR	--	ISC	iLoc	???	???	???	_	
ZAGS	4.58	118.2	Sn	17:42:38.900	-1.9	T__	---	15315723	FDSN	IR	--	ISC	iLoc	???	???	???	_	
BARS	4.95	130.0	Pn	17:41:55.700	0.5	T__	---	15315724	FDSN	IR	--	ISC	iLoc	???	???	???	_	
BARS	4.95	130.0	Sn	17:42:48.700	-1.5	T__	---	15315725	FDSN	IR	--	ISC	iLoc	???	???	???	_	
LOT	5.02	95.1	Pn	17:41:56.689	0.1	T__	---	15315726	FDSN	IR	--	ISC	iLoc	???	???	???	_	
ZAPS	5.12	121.6	Pn	17:41:58.000	0.6	T__	---	15315727	FDSN	IR	--	ISC	iLoc	???	???	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/09/13	22:29:35.10		0.30	46.1080	16.6490				1.1A								ke LJU	15279363	ISC			360
2019/09/13	22:29:35.08	0.83	0.97	46.1162	16.6355	3.5	3.0	156	2.3F	12.9	35	20	72	0.13	1.40	m	ke BUD	15315915	iLoc			79

Magnitude	Err	Nsta	Author	OrigID
ML	0.9		LJU	15279363
ML	1.7	0.1	9 ILOC	15315915

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KALN	0.13	276.9	Pg	22:29:37.980	-0.1					T__						15315917	FDSN	IR	--	ISC	iLoc	???	???	_	
KALN	0.13	276.9	Lg	22:29:40.020	-0.4					T__						15315918	FDSN	IR	--	ISC	iLoc	???	???	_	
BEHE	0.37	15.3	Pg	22:29:42.535	-0.1					T__		79.7			MLv	15315919	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
BEHE	0.37	15.3	Lg	22:29:48.957	1.1					T__						15315920	FDSN	HU	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.2 0																									
LOBO	0.40	275.8	Pg	22:29:42.260	-0.8					T__						15315921	FDSN	IR	--	ISC	iLoc	???	???	_	
LOBO	0.40	275.8	Lg	22:29:47.740	-0.8					T__						15315922	FDSN	IR	--	ISC	iLoc	???	???	_	
KOGS	0.43	321.3	Lg	22:29:49.950	0.7					T__						15315923	FDSN	IR	--	ISC	iLoc	???	???	_	
KOGS	0.43	321.3	IAML	22:29:51.230	-99.0					---		6.6	0.14			15315924	FDSN	IR	--	ISC	iLoc	???	???	_	
KOGS	0.43	321.3	Pg	22:29:43.800	0.2					T__		207.9			MLv	15315925	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_	
KOGS	0.43	321.3	Lg	22:29:48.878	-0.4					T__						15315926	FDSN	SL	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.8 1																									
A264A	0.46	84.3	Pg	22:29:44.401	0.0					T__		125.1			MLv	15315927	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A264A	0.46	84.3	Lg	22:29:50.158	-0.4					T__						15315928	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
(Station ML : 1.7 1																									
MOSL	0.51	170.6	Pg	22:29:45.160	-0.2					T__						15315929	FDSN	IR	--	ISC	iLoc	???	???	_	
MOSL	0.51	170.6	Lg	22:29:51.990	-0.2					T__						15315930	FDSN	IR	--	ISC	iLoc	???	???	_	
PTJ	0.51	246.0	Pg	22:29:45.535	0.4					T__		58.0			MLv	15315931	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_	
PTJ	0.51	246.0	Lg	22:29:52.831	0.7					T__						15315932	FDSN	CR	--	BUD	iLoc	BHN	???	_	
PTJ	0.51	246.0	Pg	22:29:45.120	-0.3					T__						15315933	FDSN	IR	--	ISC	iLoc	???	???	_	
PTJ	0.51	246.0	Lg	22:29:52.430	-0.4					T__						15315934	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.5 1																									
ZAG	0.54	237.6	Lg	22:29:54.371	1.3					T__						15315935	FDSN	CR	--	BUD	iLoc	BHN	???	_	
A263A	0.70	41.6	Lg	22:30:00.044	1.3					T__						15315936	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
GOLS	0.71	261.8	Pg	22:29:50.070	1.1					T__						15315937	FDSN	IR	--	ISC	iLoc	???	???	_	
GOLS	0.71	261.8	IAML	22:30:02.220	-99.0					---		2.0	0.14			15315938	FDSN	IR	--	ISC	iLoc	???	???	_	
GCIS	0.75	250.8	Pg	22:29:49.890	0.4					T__						15315939	FDSN	IR	--	ISC	iLoc	???	???	_	
GCIS	0.75	250.8	IAML	22:30:02.960	-99.0					---		1.4	0.12			15315940	FDSN	IR	--	ISC	iLoc	???	???	_	
A262A	0.75	354.3	Pn	22:29:50.830	-0.8					T__		105.0			MLv	15315941	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A262A	0.75	354.3	Sn	22:30:01.519	-1.9					T__						15315942	FDSN	Z3	00	BUD	iLoc	HHE	???	_	

(Station ML : 1.9 1	CRES 0.87 251.0 Pg	22:29:52.330	0.4	T__	120.8	---	MLv	15315943	FDSN SL	--	BUD	iLoc	BHZ BHZ	_
	CRES 0.87 251.0 Lg	22:30:05.072	0.5	T__		---		15315944	FDSN SL	--	BUD	iLoc	BHN ???	_
(Station ML : 2.1 0	A261A 0.91 22.8 Pn	22:29:53.330	-0.4	T__	64.5	---	MLv	15315945	FDSN Z3	00	BUD	iLoc	HHZ HHZ	_
(Station ML : 1.8 1	OZLJ 0.96 238.9 Pg	22:29:54.100	0.7	T__		---		15315946	FDSN IR	--	ISC	iLoc	???	???
	OZLJ 0.96 238.9 Lg	22:30:06.810	-0.4	T__		---		15315947	FDSN IR	--	ISC	iLoc	???	???
	KOVH 1.02 91.0 Pn	22:29:53.657	-1.5	T__	45.7	---	MLv	15315948	FDSN HU	--	BUD	iLoc	BHZ BHZ	_
	KOVH 1.02 91.0 Lg	22:30:07.568	-1.0	T__		---		15315949	FDSN HU	--	BUD	iLoc	BHE ???	_
(Station ML : 1.7 1	ARSA 1.37 326.4 Sn	22:30:17.681	-0.7	T__		---		15315950	FDSN OE	--	BUD	iLoc	BHN ???	_
	A011B 1.37 340.5 Lg	22:30:18.780	-0.2	T__		---		15315951	FDSN Z3	00	BUD	iLoc	HH2 ???	_
	BLY 1.38 163.7 Lg	22:30:22.078	3.0	T__		---		15315952	FDSN MN	--	BUD	iLoc	HHZ ???	_
	MORH 1.40 85.2 Pn	22:29:59.018	-1.2	T__	9.6	---	MLv	15315953	FDSN HU	--	BUD	iLoc	BHZ BHZ	_
	MORH 1.40 85.2 Lg	22:30:20.811	0.4	T__		---		15315954	FDSN HU	--	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
2019/09/14	09:55:45.93	0.43	0.48	47.3020	16.3925	3.2	1.3	119	0.0F	0.0	17	2	0.40	1.54	a	sx VIE	15279401	ISC			360	
2019/09/14	09:55:46.44	0.80	0.77	47.3383	16.3840	3.5	2.9	130	0.0S	36	16	63	0.23	1.72	m	sx BUD	15316184	iLoc			85	

(description : suspected quarry blast)
 (locality : Hainburg Austria)

Magnitude	Err	Nsta	Author	OrigID
mb 1.3			VIE	15279401
m1 1.6			VIE	15279401
ML 1.7 0.3		11	ILOC	15316184

Sta	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	0.23	103.9	Pg	09:55:51.605	0.2					T__		592.5		---	MLv	15316186	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A260A	0.23	103.9	Lg	09:55:54.062	-1.0					T__				---		15316187	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 1.7 1	A010A	0.34	218.2	Pg	09:55:52.780	-0.3				T__	203.9			---	MLv	15316188	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
	A010A	0.34	218.2	Lg	09:55:57.890	0.4				T__				---		15316189	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 1.5 1	SOP	0.36	18.8	Pg	09:55:54.008	-0.0				T__	75.4			---	MLv	15316190	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
	SOP	0.36	18.8	Lg	09:55:58.829	-0.5				T__				---		15316191	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.2 0	RONA	0.37	350.7	Pg	09:55:53.334	-0.7				T__	6.3	0.28		---		15316192	FDSN	IR	--	ISC	iLoc	???	???	_
	RONA	0.37	350.7	Lg	09:55:58.955	-0.3				T__	13.6	0.34		---		15316193	FDSN	IR	--	ISC	iLoc	???	???	_
	ARSA	0.59	261.8	Pg	09:55:57.441	-0.5				T__	49.7			---	MLv	15316194	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
	ARSA	0.59	261.8	Lg	09:56:05.335	-0.1				T__				---		15316195	FDSN	OE	--	BUD	iLoc	BHN	???	_
	ARSA	0.59	261.8	Pg	09:55:56.727	-1.2				T__	0.8	0.20		---		15316196	FDSN	IR	--	ISC	iLoc	???	???	_
	ARSA	0.59	261.8	Lg	09:56:04.859	-0.5				T__	7.2	0.32		---		15316197	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.5 0	EGYH	0.65	82.8	Pg	09:56:00.899	1.2				T__	166.9			---	MLv	15316198	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
	EGYH	0.65	82.8	Lg	09:56:08.511	-1.0				T__				---		15316199	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 2.1 1	CONA	0.69	329.3	Pg	09:56:00.655	0.5				T__	71.5			---	MLv	15316200	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
	CONA	0.69	329.3	Pg	09:56:00.033	-0.1				T__	2.0	0.20		---		15316201	FDSN	IR	--	ISC	iLoc	???	???	_
	CONA	0.69	329.3	Lg	09:56:10.794	1.6				T__	7.4	0.30		---		15316202	FDSN	IR	--	ISC	iLoc	???	???	_

(Station ML : 1.7 1																				
A019A 0.89 277.4 Pg	09:56:03.111	-0.7	T__	44.4	---	MLv	15316203	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_					
(Station ML : 1.6 1																				
KOGS 0.90 185.9 Pg	09:56:04.152	0.1	T__	569.3	---	MLv	15316204	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_					
KOGS 0.90 185.9 Lg	09:56:15.402	-0.2	T__		---		15316205	FDSN	SL	--	BUD	iLoc	BHE	???	_					
(Station ML : 2.8 0																				
BEHE 0.91 162.7 Sn	09:56:18.478	-1.0	T__		---		15316206	FDSN	HU	--	BUD	iLoc	BHN	???	_					
SOKA 1.14 235.0 Lg	09:56:23.210	0.0	T__	2.3	0.42	---	15316207	FDSN	IR	--	ISC	iLoc	???	???	_					
A007A 1.49 337.7 Pn	09:56:14.593	0.5	T__	53.8		MLv	15316208	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_					
A007A 1.49 337.7 Lg	09:56:35.997	-0.5	T__			---	15316209	FDSN	Z3	00	BUD	iLoc	HHE	???	_					
(Station ML : 2.1 1																				
OBKA 1.51 237.3 Pg	09:56:15.994	1.0	T__	48.6		MLv	15316210	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_					
OBKA 1.51 237.3 Lg	09:56:35.408	0.4	T__			---	15316211	FDSN	OE	--	BUD	iLoc	BHE	???	_					
OBKA 1.51 237.3 Pg	09:56:15.213	0.2	T__	0.7	0.18	---	15316212	FDSN	IR	--	ISC	iLoc	???	???	_					
OBKA 1.51 237.3 Sn	09:56:35.160	0.2	T__	0.6	0.14	---	15316213	FDSN	IR	--	ISC	iLoc	???	???	_					
(Station ML : 2.0 1																				
MOA 1.52 290.4 Pn	09:56:15.280	0.5	T__	1.2	0.26	---	15316214	FDSN	IR	--	ISC	iLoc	???	???	_					
MOA 1.52 290.4 Lg	09:56:37.142	1.7	T__	0.8	0.16	---	15316215	FDSN	IR	--	ISC	iLoc	???	???	_					
CRES 1.64 203.2 Pg	09:56:17.528	0.2	T__	132.0		MLv	15316216	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_					
CRES 1.64 203.2 Sn	09:56:39.694	1.8	T__			---	15316217	FDSN	SL	--	BUD	iLoc	BHE	???	_					
(Station ML : 2.5 0																				
KRUC 1.72 0.2 Pn	09:56:17.300	0.1	T__			---	15316218	FDSN	IR	--	ISC	iLoc	???	???	_					
KRUC 1.72 0.2 Sn	09:56:40.500	0.7	T__			---	15316219	FDSN	IR	--	ISC	iLoc	???	???	_					
KRUC 1.72 0.2 Pn	09:56:17.602	0.5	T__			---	15316220	FDSN	CZ	--	BUD	iLoc	BHZ	???	_					
KRUC 1.72 0.2 Sn	09:56:40.217	0.4	T__			---	15316221	FDSN	CZ	--	BUD	iLoc	BHE	???	_					

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/09/14	20:26:27.40	0.30		45.9710	21.7370	0.0	0.0		1.0F	4.1	16			0.29	1.57	a	ke BEO	15279442	ISC			360
2019/09/14	20:26:26.40	0.15	0.44	45.9536	21.8083	1.5	1.0	99	5.7F	1.7	32		84	0.30	2.36	a	ke BUC	15279445	ISC			360
2019/09/14	20:26:26.17	0.58	0.98	45.9646	21.7739	2.7	2.0	91	5.1F	5.7	104	31	38	0.31	2.67	m	ke BUD	15315995	iLoc			45

Magnitude	Err	Nsta	Author	OrigID
ML	2.2		BEO	15279442
m1	2.3		BUC	15279445
ML	2.5	0.3	12 IL0C	15315995

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
SIRR	0.31	345.7	Pg	20:26:32.824	0.1					T__		950.4		---	MLv	15315997	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.31	345.7	Lg	20:26:37.324	-0.4					T__				---		15315998	FDSN	RO	--	BUD	iLoc	BHE	???	_
SIRR	0.31	345.3	Pg	20:26:32.500	-0.2					T__		1.0		---		15315999	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.31	345.3	Pb	20:26:32.964	0.2					T__				---		15316000	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.31	345.3	Pb	20:26:32.964	0.2					T__		1.0		---		15316001	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.31	345.3	Lg	20:26:37.200	-0.6					T__		1.0		---		15316002	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.1 1																								
SURR	0.32	130.6	Pg	20:26:32.686	0.1					T__		0.5		---		15316004	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.32	130.6	Pg	20:26:32.686	0.1					T__				---		15316003	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.32	130.6	Lg	20:26:36.961	-0.2					T__		0.5		---		15316005	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.32	130.6	Lg	20:26:36.961	-0.2					T__				---		15316006	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.36	195.2	Pg	20:26:33.261	-0.1					T__		606.9		---	MLv	15316007	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.36	195.2	Lg	20:26:38.269	-0.3					T__				---		15316008	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	0.36	197.6	Pg	20:26:32.700	-0.7					T__		0.6		---		15316009	FDSN	IR	--	ISC	iLoc	???	???	_

BZS	0.36	197.6	Pb	20:26:33.000	-0.4	T__			15316010	FDSN	IR	--	ISC	iLoc	???	???	_	
BZS	0.36	197.6	Lg	20:26:37.600	-1.2	T__		0.6	15316011	FDSN	IR	--	ISC	iLoc	???	???	_	
BZS	0.36	197.6	Sg	20:26:38.412	-0.3	T__		0.2	15316012	FDSN	IR	--	ISC	iLoc	???	???	_	
BZS	0.36	197.6	Sg	20:26:38.412	-0.3	T__			15316013	FDSN	IR	--	ISC	iLoc	???	???	_	
BZS	0.36	197.6	Sg	20:26:38.500	-0.3	T__			15316014	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 2.1 0																		
TIM	0.45	239.7	Pg	20:26:35.718	0.6	T__			15316015	FDSN	IR	--	ISC	iLoc	???	???	_	
TIM	0.45	239.7	Pg	20:26:35.718	0.6	T__		0.3	15316016	FDSN	IR	--	ISC	iLoc	???	???	_	
TIM	0.45	239.7	Lg	20:26:42.063	0.3	T__		0.3	15316017	FDSN	IR	--	ISC	iLoc	???	???	_	
TIM	0.45	239.7	Lg	20:26:42.063	0.3	T__			15316018	FDSN	IR	--	ISC	iLoc	???	???	_	
BANR	0.73	217.7	Pg	20:26:40.731	0.4	T__		1675.8	15316019	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
BANR	0.73	217.7	Lg	20:26:51.782	0.9	T__			15316020	FDSN	RO	--	BUD	iLoc	BHN	???	_	
BANR	0.73	217.8	Pg	20:26:40.500	0.1	T__		1.7	15316021	FDSN	IR	--	ISC	iLoc	???	???	_	
BANR	0.73	217.8	Lg	20:26:51.182	0.4	T__		0.9	15316022	FDSN	IR	--	ISC	iLoc	???	???	_	
BANR	0.73	217.8	Lg	20:26:51.182	0.4	T__			15316023	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 3.1 0																		
DEV	0.79	95.2	Lg	20:26:52.437	0.1	T__			15316024	FDSN	RO	--	BUD	iLoc	BHN	???	_	
DEV	0.79	95.5	Pn	20:26:54.900	11.9	T__			15316025	FDSN	IR	--	ISC	iLoc	???	???	_	
VRSS	0.90	200.7	Pg	20:26:42.900	-0.7	T__			15316026	FDSN	IR	--	ISC	iLoc	???	???	_	
VRSS	0.90	200.7	Lg	20:26:55.300	-0.9	T__			15316027	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	0.91	128.7	Pg	20:26:43.026	-0.4	T__		396.9	15316028	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
GZR	0.91	128.7	Pg	20:26:43.182	-0.3	T__			15316029	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	0.91	128.7	Pg	20:26:43.182	-0.3	T__			15316030	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	0.91	128.7	Pn	20:26:45.200	0.4	T__		0.4	15316031	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	0.91	128.7	Pb	20:26:45.400	1.9	T__			15316032	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	0.91	128.7	Lg	20:26:55.144	-1.0	T__			15316033	FDSN	RO	--	BUD	iLoc	BHE	???	_	
GZR	0.91	128.7	Lg	20:26:57.000	0.8	T__			15316034	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 2.6 1																		
HU24A	1.04	336.0	Sn	20:27:01.989	0.4	T__			15316035	FDSN	ZJ	00	BUD	iLoc	HHE	???	_	
DRGR	1.05	37.8	Lg	20:27:00.474	-0.9	T__		0.1	15316036	FDSN	IR	--	ISC	iLoc	???	???	_	
DRGR	1.05	37.8	Lg	20:27:00.474	-0.9	T__			15316037	FDSN	IR	--	ISC	iLoc	???	???	_	
DRGR	1.05	37.8	Sg	20:27:00.700	-0.7	T__			15316038	FDSN	IR	--	ISC	iLoc	???	???	_	
DRGR	1.05	37.8	Pn	20:26:46.523	-0.1	T__		183.3	15316039	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
DRGR	1.05	37.8	Lg	20:26:59.991	-1.4	T__			15316040	FDSN	RO	--	BUD	iLoc	BHE	???	_	
(Station ML : 2.3 1																		
BORR	1.13	0.4	Pg	20:26:48.875	0.1	T__			15316041	FDSN	IR	--	ISC	iLoc	???	???	_	
BORR	1.13	0.4	Pg	20:26:48.875	0.1	T__		0.2	15316042	FDSN	IR	--	ISC	iLoc	???	???	_	
BORR	1.13	0.4	Sn	20:27:04.392	0.6	T__		0.2	15316043	FDSN	IR	--	ISC	iLoc	???	???	_	
BORR	1.13	0.4	Sn	20:27:04.392	0.6	T__			15316044	FDSN	IR	--	ISC	iLoc	???	???	_	
MARR	1.17	52.2	Lg	20:27:04.158	-1.2	T__			15316045	FDSN	IR	--	ISC	iLoc	???	???	_	
MARR	1.17	52.2	Lg	20:27:04.158	-1.2	T__			15316046	FDSN	IR	--	ISC	iLoc	???	???	_	
HERR	1.17	157.1	Pg	20:26:48.618	0.3	T__			15316047	FDSN	IR	--	ISC	iLoc	???	???	_	
HERR	1.17	157.1	Pg	20:26:48.618	0.3	T__		0.1	15316048	FDSN	IR	--	ISC	iLoc	???	???	_	
HERR	1.17	157.1	Lg	20:27:04.318	0.2	T__		0.1	15316049	FDSN	IR	--	ISC	iLoc	???	???	_	
HERR	1.17	157.1	Lg	20:27:04.318	0.2	T__			15316050	FDSN	IR	--	ISC	iLoc	???	???	_	
MDVR	1.18	182.1	Pn	20:26:48.300	-0.3	T__			15316051	FDSN	IR	--	ISC	iLoc	???	???	_	
MDVR	1.18	182.1	Pn	20:26:48.356	-0.3	T__			15316052	FDSN	IR	--	ISC	iLoc	???	???	_	
MDVR	1.18	182.1	Pn	20:26:48.356	-0.3	T__		0.1	15316053	FDSN	IR	--	ISC	iLoc	???	???	_	
MDVR	1.18	182.1	Lg	20:27:05.019	-0.0	T__		0.1	15316054	FDSN	IR	--	ISC	iLoc	???	???	_	
MDVR	1.18	182.1	Lg	20:27:05.019	-0.0	T__			15316055	FDSN	IR	--	ISC	iLoc	???	???	_	
MDVR	1.18	182.1	Sg	20:27:05.700	0.7	T__			15316056	FDSN	IR	--	ISC	iLoc	???	???	_	
MESR	1.44	34.0	Lg	20:27:12.876	-0.1	T__			15316057	FDSN	IR	--	ISC	iLoc	???	???	_	
MESR	1.44	34.0	Lg	20:27:12.876	-0.1	T__		0.2	15316058	FDSN	IR	--	ISC	iLoc	???	???	_	

HU21A	1.47	285.3	Sn	20:27:11.491	-0.4	T__			15316059	FDSN	ZJ	00	BUD	iLoc	HHE	???	_	
CJR	1.47	58.7	Pn	20:26:53.440	0.8	T__	240.9	---	MLv	15316060	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
CJR	1.47	58.7	Pn	20:26:53.912	1.3	T__		---		15316061	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	1.47	58.7	Pn	20:26:53.912	1.3	T__	0.2	---		15316062	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	1.47	58.7	Pg	20:27:02.700	8.0	---		---		15316063	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	1.47	58.7	Sn	20:27:13.658	0.8	T__		---		15316064	FDSN	RO	--	BUD	iLoc	BHE	???	_
CJR	1.47	58.7	Sn	20:27:13.982	1.2	T__	0.2	---		15316065	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	1.47	58.7	Sn	20:27:13.982	1.2	T__		---		15316066	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.7 1																		
LOT	1.49	109.6	Pn	20:26:53.704	0.4	T__	0.1	---		15316068	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.49	109.6	Pn	20:26:53.704	0.4	T__		---		15316067	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.49	109.6	Pg	20:26:55.000	0.5	T__	0.1	---		15316069	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.49	109.6	Sn	20:27:13.600	-0.1	T__	0.1	---		15316070	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.49	109.6	Lg	20:27:14.710	-1.3	T__	0.1	---		15316071	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.49	109.6	Lg	20:27:14.710	-1.3	T__		---		15316072	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.49	109.6	Pn	20:26:53.582	0.2	T__	121.4	---	MLv	15316073	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
LOT	1.49	109.6	Sn	20:27:13.735	-0.1	T__		---		15316074	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 2.4 1																		
FRGS	1.59	239.3	Sn	20:27:15.669	-0.2	T__		---		15316075	FDSN	SJ	--	BUD	iLoc	HHE	???	_
FRGS	1.60	240.4	Pn	20:26:54.600	0.7	T__	0.1	---		15316076	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	1.60	240.4	Pg	20:26:56.200	-0.1	T__		---		15316077	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	1.60	240.4	Sn	20:27:16.000	0.4	T__	0.1	---		15316078	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	1.60	240.4	Lg	20:27:17.200	-2.7	T__		---		15316079	FDSN	IR	--	ISC	iLoc	???	???	_
SRE	1.65	141.7	Sn	20:27:17.512	0.7	T__		---		15316080	FDSN	IR	--	ISC	iLoc	???	???	_
SRE	1.65	141.7	Sn	20:27:17.512	0.7	T__		---		15316081	FDSN	IR	--	ISC	iLoc	???	???	_
MDB	1.82	83.5	Pn	20:26:57.981	0.3	T__		---		15316082	FDSN	IR	--	ISC	iLoc	???	???	_
MDB	1.82	83.5	Pn	20:26:57.981	0.3	T__		---		15316083	FDSN	IR	--	ISC	iLoc	???	???	_
MDB	1.82	83.5	Sn	20:27:22.315	1.1	T__		---		15316084	FDSN	IR	--	ISC	iLoc	???	???	_
BMR	2.08	34.1	Lg	20:27:33.100	-0.1	T__		---		15316085	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	2.09	105.6	Pn	20:27:01.984	0.2	T__		---		15316086	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	2.09	105.6	Pn	20:27:01.984	0.2	T__		---		15316087	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	2.09	105.6	Sn	20:27:28.662	0.2	T__		---		15316088	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	2.19	277.7	Pn	20:27:03.463	1.4	T__	17.7	---	MLv	15316089	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	2.19	277.7	Sn	20:27:28.400	-1.1	T__		---		15316090	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.0 0																		
TRPA	2.23	13.3	Pn	20:27:04.758	1.8	T__	35.4	---	MLv	15316091	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
TRPA	2.23	13.3	Pg	20:27:08.307	-0.8	T__		---		15316092	FDSN	HU	--	BUD	iLoc	BHZ	???	_
(Station ML : 2.3 1																		
HU02A	2.32	338.9	Pn	20:27:05.810	1.6	T__	64.7	---	MLv	15316093	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	2.32	338.9	Sn	20:27:32.644	-0.1	T__		---		15316094	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 2.6 1																		
BOVS	2.33	181.2	Pn	20:27:04.075	-0.1	T__		---		15316095	FDSN	IR	--	ISC	iLoc	???	???	_
BOVS	2.33	181.2	Pn	20:27:04.075	-0.1	T__		---		15316096	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	2.34	327.3	Sn	20:27:31.200	-2.2	T__	0.1	---		15316097	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	2.34	327.3	Lg	20:27:31.300	-11.9	---	0.1	---		15316098	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	2.34	327.3	Pn	20:27:05.160	0.6	T__	79.0	---	MLv	15316099	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 2.7 1																		
ABAH	2.36	351.3	Lg	20:27:42.300	-0.4	T__		---		15316100	FDSN	IR	--	ISC	iLoc	???	???	_
BUD	2.43	309.8	Pn	20:26:59.700	-5.7	T__		---		15316101	FDSN	IR	--	ISC	iLoc	???	???	_
JOS	2.67	342.0	Pn	20:27:10.898	2.0	T__	66.8	---	MLv	15316102	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	2.67	342.0	Sn	20:27:40.963	0.3	T__		---		15316103	FDSN	ZJ	--	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
2019/09/14	21:00:50.18	1.04	0.12	47.6351	20.2937	29.6	6.6	17	12.0A	5	3	159	0.03	0.05	m	ke	BUD	15316278	iLoc			304

Magnitude	Err	Nsta	Author	OrigID
ML	0.7	0.0	3 ILOC	15316278

Sta	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	0.03	277.5	Pg	21:00:52.659	-0.0					T__		215.3		---	MLv	15316280	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 0.7 1																								
TENKA	0.04	62.3	Pg	21:00:52.709	-0.0					T__		142.9		---	MLv	15316281	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.04	62.3	Lg	21:00:54.751	0.0					T__				---		15316282	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 0.6 1																								
ATAN2	0.05	118.3	Pg	21:00:52.742	-0.1					T__		201.3		---	MLv	15316283	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN2	0.05	118.3	Lg	21:00:54.954	0.1					T__				---		15316284	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	
2019/09/15	02:21:55.70	4.18	0.10	47.6462	20.3615	11.7	6.9	59	15.1F	17.7	6	3	234	0.01	0.08	m	ke	BUD	15316298	iLoc			312

Magnitude	Err	Nsta	Author	OrigID
ML	0.9	0.0	3 ILOC	15316298

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TENKA	0.01	311.7	Pg	02:21:58.695	0.0					T__		144.5		---	MLv	15316300	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.01	311.7	Lg	02:22:00.760	-0.1					T__				---		15316301	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 0.5 1																								
ATAN2	0.03	186.3	Pg	02:21:58.751	-0.0					T__		367.4		---	MLv	15316302	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN2	0.03	186.3	Lg	02:22:01.046	0.0					T__				---		15316303	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.0 1																								
HU23A	0.08	264.6	Pg	02:21:59.083	-0.0					T__		263.1		---	MLv	15316304	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.08	264.6	Lg	02:22:01.677	0.1					T__				---		15316305	FDSN	ZJ	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	
2019/09/15	09:09:58.90		0.50	46.4910	16.4590				17.4A							a	ke	LJU	15279641	ISC			360
2019/09/15	09:10:00.09	0.36	0.31	46.4999	16.3783	2.5	1.4	102	12.0F	1.7	21		2	0.94	1.97	a	ke	VIE	15279644	ISC			360
2019/09/15	09:09:59.76	0.76	0.65	46.4638	16.4451	3.2	2.8	109	7.0F	5.0	59	27	65	0.14	2.03	m	ke	BUD	15316319	iLoc			80

Magnitude	Err	Nsta	Author	OrigID
ML	1.7		LJU	15279641
mb	1.6		VIE	15279644
m1	1.8		VIE	15279644
ML	2.0	0.1	12 ILOC	15316319

Sta	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	0.14	263.4	Pg	09:10:02.860	-0.0					T__				---		15316321	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.14	263.4	Lg	09:10:06.120	1.0					T__				---		15316322	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.14	263.4	IAML	09:10:07.900	-99.0					---		65.5	0.09	---		15316323	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.14	263.5	Pg	09:10:02.757	-0.1					T__		2305.2		_d_	MLv	15316324	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_

KOGS	0.14	263.5	Lg	09:10:04.581	-0.5	T__			15316325	FDSN	SL	--	BUD	iLoc	BHE	???	_	
(Station ML	:	2.0	1															
BEHE	0.23	88.2	Pg	09:10:04.272	-0.5	T__	475.0	_d	MLv	15316326	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BEHE	0.23	88.2	Lg	09:10:08.146	-0.1	T__				15316327	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML	:	1.6	0															
KALN	0.33	178.7	Pg	09:10:06.490	-0.3	T__				15316328	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.33	178.7	Lg	09:10:11.310	-0.4	T__				15316329	FDSN	IR	--	ISC	iLoc	???	???	_
LOB0	0.40	220.3	Pg	09:10:07.850	-0.1	T__				15316330	FDSN	IR	--	ISC	iLoc	???	???	_
LOB0	0.40	220.3	Lg	09:10:13.470	-0.1	T__				15316331	FDSN	IR	--	ISC	iLoc	???	???	_
A262A	0.40	8.0	Pg	09:10:08.551	0.6	T__	331.7		MLv	15316332	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A262A	0.40	8.0	Lg	09:10:14.137	0.7	T__				15316333	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML	:	1.9	1															
A021A	0.52	304.7	Pg	09:10:09.568	-0.3	T__	167.5		MLv	15316334	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A021A	0.52	304.7	Lg	09:10:16.884	0.4	T__				15316335	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML	:	2.0	1															
A263A	0.63	73.2	Pg	09:10:12.717	0.4	T__	695.7		MLv	15316336	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML	:	2.7	0															
PTJ	0.65	210.9	Pg	09:10:12.775	0.3	T__	148.6		MLv	15316337	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.65	210.9	Lg	09:10:21.826	0.5	T__				15316338	FDSN	CR	--	BUD	iLoc	BHE	???	_
PTJ	0.65	210.9	Pg	09:10:12.610	-0.2	T__				15316339	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.65	210.9	Lg	09:10:21.660	-0.4	T__				15316340	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML	:	2.0	1															
GROS	0.65	270.1	Pg	09:10:12.240	-0.3	T__				15316341	FDSN	IR	--	ISC	iLoc	???	???	_
GROS	0.65	270.1	Lg	09:10:22.500	1.0	T__				15316342	FDSN	IR	--	ISC	iLoc	???	???	_
GROS	0.65	270.1	IAML	09:10:26.240	-99.0	---	7.1	0.08		15316343	FDSN	IR	--	ISC	iLoc	???	???	_
A264A	0.66	117.2	Pg	09:10:13.172	0.2	T__	494.0		MLv	15316344	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML	:	2.6	0															
GOLS	0.73	231.8	Pg	09:10:14.230	0.2	T__				15316345	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.73	231.8	Lg	09:10:24.680	0.4	T__				15316346	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.73	231.8	IAML	09:10:29.610	-99.0	---	7.9	0.09		15316347	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.75	245.4	Pg	09:10:14.160	-0.0	T__				15316348	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.75	245.4	Lg	09:10:25.640	1.0	T__				15316349	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.75	245.4	IAML	09:10:28.930	-99.0	---	14.2	0.12		15316350	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.82	223.9	Pg	09:10:15.980	0.4	T__				15316351	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.82	223.9	Lg	09:10:27.820	0.4	T__				15316352	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.82	223.9	IAML	09:10:31.000	-99.0	---	7.4	0.17		15316353	FDSN	IR	--	ISC	iLoc	???	???	_
CESS	0.84	234.6	Pg	09:10:16.370	0.5	T__				15316354	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.88	165.7	Pg	09:10:16.490	-0.4	T__				15316355	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.88	165.7	Lg	09:10:28.290	-0.2	T__				15316356	FDSN	IR	--	ISC	iLoc	???	???	_
LEGS	0.94	237.1	Pg	09:10:17.790	0.3	T__				15316357	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.94	227.5	Pg	09:10:17.986	0.4	T__	225.3		MLv	15316358	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.94	227.5	Lg	09:10:31.049	-0.5	T__				15316359	FDSN	SL	--	BUD	iLoc	BHE	???	_
CRES	0.94	227.5	Pg	09:10:17.850	0.3	T__				15316360	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.94	227.5	Sn	09:10:32.190	-0.4	T__				15316361	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.94	227.5	IAML	09:10:34.200	-99.0	---	6.3	0.19		15316362	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML	:	2.4	1															
ZAVS	0.98	268.8	Pn	09:10:18.860	-0.7	T__				15316363	FDSN	IR	--	ISC	iLoc	???	???	_
ZAVS	0.98	268.8	Sn	09:10:33.020	-0.4	T__				15316364	FDSN	IR	--	ISC	iLoc	???	???	_
ZAVS	0.98	268.8	IAML	09:10:35.350	-99.0	---	14.0	0.13		15316365	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	1.00	282.9	Pg	09:10:18.451	-0.3	T__	2.1	0.20		15316366	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	1.00	282.9	Lg	09:10:31.435	-0.7	T__	0.9	0.10		15316367	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.01	321.5	Pn	09:10:19.221	-0.4	T__	73.6		MLv	15316368	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
ARSA	1.01	321.5	Sn	09:10:32.661	-0.9	T__				15316369	FDSN	OE	--	BUD	iLoc	BHE	???	_

ARSA	1.01	321.5	Pg	09:10:18.298	-0.7	T__	0.6	0.16	---	15316370	FDSN	IR	--	ISC	iLoc	???	???	_	
ARSA	1.01	321.5	Lg	09:10:32.061	0.1	T__	0.7	0.14	---	15316371	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.9 1																			
OZLJ	1.09	219.1	Pg	09:10:20.130	0.1	T__			---	15316372	FDSN	IR	--	ISC	iLoc	???	???	_	
OZLJ	1.09	219.1	Sn	09:10:35.230	-0.7	T__			---	15316373	FDSN	IR	--	ISC	iLoc	???	???	_	
KOVH	1.21	107.5	Pn	09:10:22.101	0.2	T__	65.6		---	15316374	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
KOVH	1.21	107.5	Lg	09:10:39.621	0.9	T__			---	15316375	FDSN	HU	--	BUD	iLoc	BHE	???	_	
(Station ML : 2.0 1																			
RONA	1.24	355.4	Pg	09:10:22.723	-1.0	T__	0.6	0.16	---	15316376	FDSN	IR	--	ISC	iLoc	???	???	_	
RONA	1.24	355.4	Lg	09:10:39.836	-0.5	T__	2.0	0.44	---	15316377	FDSN	IR	--	ISC	iLoc	???	???	_	
OBKA	1.31	272.7	Pn	09:10:25.255	0.9	T__	75.6		---	15316378	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_	
OBKA	1.31	272.7	Lg	09:10:43.426	1.3	T__			---	15316379	FDSN	OE	--	BUD	iLoc	BHN	???	_	
OBKA	1.31	272.7	Pn	09:10:24.289	-0.0	T__	0.2	0.12	---	15316380	FDSN	IR	--	ISC	iLoc	???	???	_	
OBKA	1.31	272.7	Sn	09:10:41.119	-0.7	T__	10.7	0.32	---	15316381	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 2.1 1																			
CONA	1.52	345.0	Lg	09:10:50.523	2.0	T__			---	15316382	FDSN	OE	--	BUD	iLoc	BHE	???	_	
CONA	1.52	345.0	Pn	09:10:26.399	-0.4	T__	0.3	0.20	---	15316383	FDSN	IR	--	ISC	iLoc	???	???	_	
CONA	1.52	345.0	Lg	09:10:46.789	-1.7	T__	3.2	0.54	---	15316384	FDSN	IR	--	ISC	iLoc	???	???	_	
MORH	1.54	98.5	Pg	09:10:28.546	-0.6	T__	18.9		---	15316385	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
(Station ML : 1.6 0																			
MOA	2.03	313.8	Sn	09:10:58.693	-0.5	T__	0.4	0.34	---	15316386	FDSN	IR	--	ISC	iLoc	???	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/09/16	08:59:01.01	1.14	1.54	46.7812	17.3978	9.5	6.3	170	0.0S		13	10	84	0.24	1.55	m	kx BUD	15316454	iLoc			106
2019/09/16	08:59:02.13f		2.25	46.8548	17.2699f				0.0S		13		81	0.13	1.44	a	kx BUD_GT	15328551	BUD			100

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

Magnitude	Err	Nsta	Author	OrigID
ML	0.0	0.9	4 BUD	15316454
ML	2.1	0.7	4 ILOC	15328551

Sta	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	08:59:06.596	1.2					T__		5975.4		---	MLv	15330471	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 2.4 1																								
TIH	0.43	83.7	Pg	08:59:11.576	0.5					T__		1352.9		---	MLv	15330472	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
TIH	0.43	83.7	Lg	08:59:17.012	-0.9					T__				---		15330473	FDSN	HU	--	BUD	BUD	HHN	???	_
(Station ML : 2.6 1																								
HU08A	0.73	37.5	Lg	08:59:27.766	-1.0					T__				---		15330474	FDSN	ZJ	00	BUD	BUD	HHN	???	_
KOGS	0.81	240.3	Sn	08:59:32.038	-0.9					T__				---		15330478	FDSN	SL	--	BUD	BUD	BHN	???	_
CSKK	0.85	52.7	Lg	08:59:32.003	-1.2					T__				---		15330475	FDSN	HU	--	BUD	BUD	HHE	???	_
KOVH	0.96	142.9	Pg	08:59:20.107	-1.4					T__		47.5		---	MLv	15330476	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.96	142.9	Lg	08:59:34.371	-0.7					T__				---		15330477	FDSN	HU	--	BUD	BUD	BHE	???	_
(Station ML : 1.7 1																								
MORH	1.14	123.5	Pn	08:59:20.938	-3.2					T__		13.3		---	MLv	15330479	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	1.14	123.5	Sn	08:59:37.072	-3.9					T__				---		15330480	FDSN	HU	--	BUD	BUD	BHE	???	_
(Station ML : 1.3 1																								
ARSA	1.26	289.0	Sn	08:59:47.416	3.8					T__				---		15330482	FDSN	OE	--	BUD	BUD	BHN	???	_
PTJ	1.31	224.0	Sn	08:59:44.868	-0.1					T__				---		15330481	FDSN	CR	--	BUD	BUD	BHE	???	_
CONA	1.44	318.8	Lg	08:59:53.238	4.2					T__				---		15330483	FDSN	OE	--	BUD	BUD	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/09/16	09:22:32.51	0.98	0.27	48.3250	19.8855	5.9	3.8	155	0.0S	10	6	150	0.41	1.04	m	sx	BUD	15316486	iLoc			166
(description : suspected quarry blast)																						
(locality : Velke-Dravce Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.1	4 ILOC	15316486

Sta	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	179.2	Pg	09:22:41.576	0.1					T__		105.6		---	MLv	15316488	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.41	179.2	Lg	09:22:48.293	0.1					T__				---		15316489	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.5 1																								
KECS	0.43	68.2	Pg	09:22:41.507	0.3					T__		243.4		---	MLv	15316490	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.43	68.2	Lg	09:22:47.739	-0.2					T__				---		15316491	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.9 1																								
JOS	0.47	68.3	Pg	09:22:41.950	0.0					T__		88.2		---	MLv	15316492	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.47	68.3	Lg	09:22:49.136	-0.0					T__				---		15316493	FDSN	ZJ	--	BUD	iLoc	HHZ	???	_
(Station ML : 1.5 1																								
HU02A	0.47	115.2	Pg	09:22:42.731	0.2					T__		91.9		---	MLv	15316494	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.47	115.2	Lg	09:22:49.743	-0.5					T__				---		15316495	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.6 1																								
A336A	0.60	261.5	Lg	09:22:53.958	-0.1					T__				---		15316496	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A335A	1.04	277.3	Lg	09:23:09.080	-0.2					T__				---		15316497	FDSN	Z3	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
2019/09/16	16:10:37.35	1.00	0.85	46.1133	21.6745	24.9	4.0	90	5.0A	6	4	174	0.15	1.06	m	ke	BUD	15316515	iLoc			224

Magnitude	Err	Nsta	Author	OrigID
ML	1.1	0.1	3 ILOC	15316515

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
SIRR	0.15	357.0	Pg	16:10:41.022	0.2					T__		261.8		---	MLv	15316517	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.15	357.0	Lg	16:10:43.144	-0.5					T__				---		15316518	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 1.1 1																								
BZS	0.50	182.8	Pg	16:10:47.039	-0.1					T__		25.4		---	MLv	15316519	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.50	182.8	Lg	16:10:54.162	-0.0					T__				---		15316520	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 1.1 1																								
DRGR	0.99	46.2	Lg	16:11:10.050	-0.6					T__				---		15316521	FDSN	RO	--	BUD	iLoc	BHE	???	_
GZR	1.06	132.6	Pn	16:10:59.305	1.2					T__		38.7		---	MLv	15316522	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/09/16	23:38:46.24	4.48	0.01	45.8198	17.1187	41.2	8.9	23	10.0A	4	3	248	0.69	0.87	m	ke	BUD	15316536	iLoc			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
BEHE	0.69	340.0	Lg	23:39:09.300	0.0					T__						15316538	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOVH	0.74	68.2	Pg	23:39:00.783	0.0					T__		30.9			MLv	15316539	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.74	68.2	Lg	23:39:10.587	-0.0					T__						15316540	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOGS	0.87	316.5	Lg	23:39:14.563	-0.0					T__						15316541	FDSN	SL	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/09/16	23:39:49.89	2.50	0.52	46.0177	17.1893	46.3	6.5	11	14.7F	19.2	9	5	220	0.54	1.03	m	ke BUD	15316546	iLoc			244

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.1	5 ILOC	15316546

Sta	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	0.54	327.8	Pn	23:40:01.610	-0.4					T__		28.5			MLv	15316548	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
BEHE	0.54	327.8	Sn	23:40:11.235	0.2					T__						15316549	FDSN	HU	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.2 1																									
A265A	0.59	45.7	Pn	23:40:02.276	-0.2					T__		81.1			MLv	15316550	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
(Station ML : 1.7 1																									
KOVH	0.64	83.3	Pg	23:40:02.510	-0.2					T__		27.8			MLv	15316551	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
KOVH	0.64	83.3	Lg	23:40:11.997	0.7					T__						15316552	FDSN	HU	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.3 1																									
KOGS	0.78	303.8	Pg	23:40:04.934	-0.0					T__		137.3			MLv	15316553	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_	
KOGS	0.78	303.8	Sn	23:40:16.359	-0.4					T__						15316554	FDSN	SL	--	BUD	iLoc	BHE	???	_	
(Station ML : 2.1 0																									
MORH	1.03	78.4	Pn	23:40:09.012	0.6					T__		7.1			MLv	15316555	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
MORH	1.03	78.4	Lg	23:40:24.038	-0.5					T__						15316556	FDSN	HU	--	BUD	iLoc	BHE	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/09/17	09:07:59.00	1.20	0.88	45.6745	17.4430	8.5	6.2	116	5.2F	18.5	9	5	135	0.62	1.40	m	ke BUD	15316605	iLoc			220

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.0	5 ILOC	15316605

Sta	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	0.62	47.7	Pg	09:08:11.193	-0.3					T__		55.6			MLv	15316607	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
KOVH	0.62	47.7	Lg	09:08:20.749	0.7					T__						15316608	FDSN	HU	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.6 1																									
BLY	0.91	191.9	Pg	09:08:16.179	-0.4					T__		35.9			MLv	15316609	FDSN	MN	--	BUD	iLoc	BHZ	BHZ	_	
BLY	0.91	191.9	Lg	09:08:29.197	1.1					T__						15316610	FDSN	MN	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.6 1																									
MORH	1.00	56.7	Pn	09:08:18.395	0.2					T__		9.9			MLv	15316611	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
MORH	1.00	56.7	Sn	09:08:33.147	0.3					T__						15316612	FDSN	HU	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.1 0																									
PTJ	1.06	283.2	Pg	09:08:19.022	-0.2					T__		73.5			MLv	15316613	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_	
(Station ML : 2.0 1																									
CRES	1.40	276.9	Pg	09:08:25.565	0.5					T__		92.0			MLv	15316614	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_	
CRES	1.40	276.9	Lg	09:08:44.919	-1.2					T__						15316615	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
 2019/09/17 10:21:58.51 3.28 0.79 47.3658 18.3769 24.1 7.5 129 0.0S 5 4 170 0.08 1.17 m sx BUD 15316578 iLoc 267
 (description : suspected quarry blast)
 (locality : Gánt Hungary)

Magnitude Err Nsta Author OrigID

Sta	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	268.2	Pg	10:22:00.637	-0.1					T__		1794.1		---	MLv	15316580	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.08	268.2	Lg	10:22:02.635	-0.4					T__				---		15316581	FDSN	HU	--	BUD	iLoc	HHN	???	_
HU09A	0.27	0.8	Lg	10:22:09.133	-0.5					T__				---		15316582	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
HU08A	0.31	282.2	Pg	10:22:05.925	0.6					T__		94.9		---	MLv	15316583	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
MORH	1.17	170.8	Sn	10:22:37.672	-0.7					T__				---		15316584	FDSN	HU	--	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
 2019/09/17 10:39:37.01 1.46 0.88 47.3478 18.3974 8.8 5.6 78 0.0S 6 5 111 0.09 1.16 m sx BUD 15316593 iLoc 219
 (description : suspected quarry blast)
 (locality : Gánt Hungary)

Magnitude Err Nsta Author OrigID

Sta	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	279.5	Pg	10:39:39.539	-0.0					T__		1289.0		---	MLv	15316595	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.09	279.5	Lg	10:39:41.046	-1.0					T__				---		15316596	FDSN	HU	--	BUD	iLoc	HHE	???	_
HU09A	0.29	358.0	Lg	10:39:48.659	-0.1					T__				---		15316597	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
HU08A	0.33	284.7	Lg	10:39:51.176	1.1					T__				---		15316598	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
MORH	1.15	171.4	Lg	10:40:16.361	0.0					T__				---		15316599	FDSN	HU	--	BUD	iLoc	BHE	???	_
PSZ	1.16	60.0	Sn	10:40:17.811	0.1					T__				---		15316600	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
 2019/09/17 23:28:26.01 4.17 0.02 47.6365 20.3804 13.1 7.7 82 14.0F 16.9 6 3 265 0.03 0.09 m ke BUD 15316637 iLoc 322

Magnitude Err Nsta Author OrigID
 ML 0.7 0.1 3 ILOC 15316637

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TENKA	0.03	309.1	Pg	23:28:28.842	0.0					T__		191.0		---	MLv	15316639	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.03	309.1	Lg	23:28:30.927	-0.0					T__				---		15316640	FDSN	HU	--	BUD	iLoc	HHN	???	_
				(Station ML : 0.7 1																				
ATAN2	0.03	214.4	Pg	23:28:28.847	-0.0					T__		354.5		---	MLv	15316641	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN2	0.03	214.4	Lg	23:28:30.990	0.0					T__				---		15316642	FDSN	HU	--	BUD	iLoc	HHN	???	_
				(Station ML : 0.9 1																				
HU23A	0.09	271.7	Pg	23:28:29.385	-0.0					T__		155.5		---	MLv	15316643	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.09	271.7	Lg	23:28:31.878	0.0					T__				---		15316644	FDSN	ZJ	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
2019/09/18	07:48:38.86	1.59	0.14	46.1151	18.0868	11.5	4.9	125	0.0S	5	3	211	0.03	0.40	m	sx	BUD	15316658	iLoc			297
(description : suspected quarry blast)																						
(locality : Bükkösd-II Hungary)																						

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	161.1	Pg	07:48:40.103	-0.0					T__		2312.9			MLv	15316660	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.03	161.1	Lg	07:48:41.523	-0.0					T__						15316661	FDSN	HU	--	BUD	iLoc	BHN	???	_
A273A	0.27	223.6	Lg	07:48:49.127	0.1					T__						15316662	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MORH	0.40	75.2	Pg	07:48:47.270	-0.1					T__		15.1			MLv	15316663	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	0.40	75.2	Lg	07:48:54.056	0.2					T__						15316664	FDSN	HU	--	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
2019/09/18	12:32:17.46	0.23	0.49	45.6698	22.4229	1.8	1.6	94	5.0A	14	112	0.22	1.14	a	ke	BUC	15279754	ISC				360
2019/09/18	12:32:16.90	0.92	0.68	45.6895	22.4346	5.8	4.9	57	0.0S	25	7	115	0.23	1.12	m	sx	BUD	15316694	iLoc			184
(description : suspected quarry blast)																						
(locality : Ruschita Romania)																						

Magnitude	Err	Nsta	Author	OrigID
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ml	1.1		BUC	15279754
ML	1.3	0.2	4 ILOC	15316694

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
SURR	0.23	286.7	Pg	12:32:21.289	-0.1					T__						15316696	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.23	286.7	Pg	12:32:21.289	-0.1					T__						15316697	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.23	286.7	Lg	12:32:24.796	0.1					T__						15316698	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.38	140.8	Pg	12:32:24.322	-0.0					T__		64.7			MLv	15316699	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	0.38	140.8	Lg	12:32:29.543	-0.4					T__						15316700	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.2 1																								
BZS	0.56	263.1	Pg	12:32:29.102	1.1					T__		25.6			MLv	15316701	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.56	263.1	Lg	12:32:35.066	-1.1					T__						15316702	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	0.58	263.1	Pg	12:32:28.877	0.5					T__						15316703	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.58	263.1	Pg	12:32:28.877	0.5					T__						15316704	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.58	263.1	Lg	12:32:35.263	-1.5					T__						15316705	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.2 1																								
SIRR	0.79	317.2	Pn	12:32:34.525	0.1					T__		28.7			MLv	15316706	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.79	317.2	Lg	12:32:43.964	-0.5					T__						15316707	FDSN	RO	--	BUD	iLoc	BHE	???	_
SIRR	0.79	317.2	Pg	12:32:33.336	0.2					T__						15316708	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.79	317.2	Pg	12:32:33.336	0.2					T__						15316709	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.79	317.2	Lg	12:32:43.601	-0.9					T__						15316710	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.4 1																								
MDVR	1.04	209.6	Pg	12:32:37.745	0.6					T__						15316711	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.04	209.6	Pg	12:32:37.745	0.6					T__						15316712	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.04	209.6	Lg	12:32:51.445	0.2					T__						15316713	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.10	25.5	Pn	12:32:39.330	0.3					T__						15316714	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.10	25.5	Pn	12:32:39.330	0.3					T__						15316715	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.10	25.5	Lg	12:32:54.818	0.5					T__						15316716	FDSN	IR	--	ISC	iLoc	???	???	_

DRGR	1.12	9.8 Pn	12:32:39.899	0.7	T__	---	15316717	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.12	9.8 Pn	12:32:39.899	0.7	T__	---	15316718	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.12	9.8 Pn	12:32:40.389	1.2	T__	54.5	---	MLv	15316719	FDSN	RO	--	BUD	iLoc	BHZ BHZ _
DRGR	1.12	9.8 Lg	12:32:54.849	-0.0	T__	---	15316720	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
2019/09/19	01:00:31.69	4.16	0.03	47.6547	20.3654	17.1	7.0	44	13.9F	16.5	6	3	280	0.01	0.08	m	ke BUD	15316673	iLoc			350

Magnitude	Err	Nsta	Author	OrigID
ML	0.6	0.1	3 ILOC	15316673

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TENKA	0.01	267.9	Pg	01:00:34.459	0.0					T__		161.6		---	MLv	15316675	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.01	267.9	Lg	01:00:36.490	-0.0					T__				---		15316676	FDSN	HU	--	BUD	iLoc	HNN	???	_
(Station ML : 0.5 1																								
ATAN2	0.04	188.6	Pg	01:00:34.599	-0.0					T__		212.2		---	MLv	15316677	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN2	0.04	188.6	Lg	01:00:36.780	0.0					T__				---		15316678	FDSN	HU	--	BUD	iLoc	HNN	???	_
(Station ML : 0.7 1																								
HU23A	0.08	258.7	Pg	01:00:34.953	-0.0					T__		123.1		---	MLv	15316679	FDSN	ZJ	00	BUD	iLoc	HHE	HHZ	_
HU23A	0.08	258.7	Lg	01:00:37.395	0.0					T__				---		15316680	FDSN	ZJ	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	
2019/09/19	08:23:39.15	0.89	0.81	47.8927	19.4261	6.8	2.9	167	0.0S		14	9	128	0.12	1.28	m	kx BUD	15316738	iLoc				175
2019/09/19	08:23:39.01f		0.78	47.8920	19.4049f				0.0S		14		127	0.13	1.29	a	kx BUD_GT	15328565	BUD				174

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.2	6 BUD	15316738
ML	1.8	0.2	6 ILOC	15328565

Sta	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	08:23:43.523	1.3					T__		1438.7		---	MLv	15330484	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU03A	0.13	84.8	Lg	08:23:44.497	-0.3					T__				---		15330485	FDSN	ZJ	00	BUD	BUD	HHE	???	_
(Station ML : 1.8 1																								
HU10A	0.26	259.9	Pg	08:23:45.031	0.2					T__		1086.9		---	MLv	15330486	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU10A	0.26	259.9	Lg	08:23:50.274	0.7					T__				---		15330487	FDSN	ZJ	00	BUD	BUD	HHE	???	_
(Station ML : 2.1 1																								
PSZ	0.33	85.2	Pg	08:23:46.162	-0.3					T__		171.7		---	MLv	15330488	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.33	85.2	Lg	08:23:51.425	-0.8					T__				---		15330489	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.5 0																								
BUD	0.48	212.3	Lg	08:23:57.172	-0.1					T__				---		15330490	FDSN	HU	--	BUD	BUD	BHN	???	_
HU02A	0.79	72.6	Pg	08:23:54.768	-0.6					T__		44.7		---	MLv	15330491	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.79	72.6	Lg	08:24:05.936	-1.8					T__				---		15330492	FDSN	ZJ	00	BUD	BUD	HHE	???	_
(Station ML : 1.6 1																								
KECS	0.93	50.3	Pn	08:23:58.245	-0.0					T__		124.3		---	MLv	15330493	FDSN	SK	--	BUD	BUD	EHN	EHZ	_
(Station ML : 2.1 0																								

JOS	0.97	51.0	Pn	08:23:58.906	0.2					T__	55.1	---	MLv	15330494	FDSN	ZJ	--	BUD	BUD	HHZ	HHZ	_
JOS	0.97	51.0	Lg	08:24:12.250	-1.2					T__		---		15330495	FDSN	ZJ	--	BUD	BUD	HHE	???	_
(Station ML : 1.8 1																						
A332A	1.11	325.9	Lg	08:24:16.608	-0.2					T__		---		15330496	FDSN	Z3	00	BUD	BUD	HHN	???	_
ABAH	1.29	71.1	Sn	08:24:22.862	0.7					T__		---		15330497	FDSN	HU	--	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/09/19	11:28:27.64	4.18	0.07	47.6425	20.3711	12.4	6.7	68	13.5F	17.1	6	3	251	0.02	0.08	m	ke	BUD	15316779	iLoc		320

Magnitude	Err	Nsta	Author	OrigID
ML	1.1	0.2	3 ILOC	15316779

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
TENKA	0.02	307.1	Pg	11:28:30.338	-0.0					T__		584.9	---	MLv	15316781	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
TENKA	0.02	307.1	Lg	11:28:32.398	0.0					T__			---		15316782	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.1 1																								
ATAN2	0.03	198.7	Pg	11:28:30.389	-0.0					T__		800.4	---	MLv	15316783	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ATAN2	0.03	198.7	Lg	11:28:32.538	0.1					T__			---		15316784	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.3 1																								
HU23A	0.08	267.6	Pg	11:28:30.890	0.0					T__		303.5	---	MLv	15316785	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
HU23A	0.08	267.6	Lg	11:28:33.176	-0.1					T__			---		15316786	FDSN	ZJ	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
2019/09/19	11:36:34.30	2.34	0.81	48.5095	20.3417	16.5	5.0	147	0.0S		7	4	249	0.10	0.66	m	sx	BUD	15316800	iLoc		293

(description : suspected quarry blast)

(locality : Jelsava Slovakia)

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.4	4 ILOC	15316800

Sta	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	0.10	105.3	Pg	11:36:36.916	0.4					T__		934.4	---	MLv	15316802	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_	
KECS	0.10	105.3	Lg	11:36:37.764	-0.6					T__			---		15316803	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Station ML : 1.5 1																								
JOS	0.13	96.1	Pg	11:36:37.411	0.3					T__		254.2	---	MLv	15316804	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_	
(Station ML : 1.1 1																								
HU02A	0.41	162.4	Pg	11:36:43.940	0.9					T__		33.7	---	MLv	15316805	FDSN	ZJ	00	BUD	iLoc	HHE	HHZ	_	
HU02A	0.41	162.4	Lg	11:36:49.037	-0.7					T__			---		15316806	FDSN	ZJ	00	BUD	iLoc	HHE	???	_	
(Station ML : 1.0 1																								
PSZ	0.66	207.0	Pg	11:36:48.497	0.0					T__		73.7	---	MLv	15316807	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	0.66	207.0	Lg	11:36:57.828	-0.8					T__			---		15316808	FDSN	GE	--	BUD	iLoc	BHE	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/09/20	06:40:04.40	1.17	0.84	48.0744	20.6526	7.1	4.1	162	0.0S		9	5	192	0.10	0.53	m	sx	BUD	15316826	iLoc		263

(description : suspected quarry blast)

(locality : Miskolc-Mexikóvölgy Hungary)

Magnitude Err Nsta Author OrigID
 ML 1.2 0.1 4 ILOC 15316826

Sta	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	299.3	Pg	06:40:07.079	0.1					T__		418.8		---	MLv	15316828	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.10	299.3	Lg	06:40:09.620	0.3					T__				---		15316829	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.2 1																								
KECS	0.42	344.8	Lg	06:40:19.908	0.2					T__				---		15316830	FDSN	SK	--	BUD	iLoc	EHE	???	_
JOS	0.43	349.7	Pg	06:40:13.254	0.2					T__		60.8		---	MLv	15316831	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.43	349.7	Lg	06:40:19.420	-0.4					T__				---		15316832	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 1.3 1																								
ABAH	0.45	60.3	Pg	06:40:14.244	0.6					T__		45.9		---	MLv	15316833	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.45	60.3	Lg	06:40:19.818	-1.7					T__				---		15316834	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.2 1																								
PSZ	0.53	253.2	Pg	06:40:16.286	0.3					T__		39.0		---	MLv	15316835	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.53	253.2	Lg	06:40:23.695	-0.7					T__				---		15316836	FDSN	GE	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/09/24	00:21:15.90	0.24	0.41	45.9457	21.7720	2.9	1.4	87	17.2F	1.9	14	150		0.31	1.18	a	ke BUC	15279791	ISC			360
2019/09/24	00:21:16.04	0.85	0.76	45.9606	21.7608	6.6	3.4	76	10.3F	6.3	23	8 153		0.31	1.18	m	ke BUD	15316854	iLoc			204

Magnitude Err Nsta Author OrigID
 ml 0.8 BUC 15279791
 ML 1.0 0.5 4 ILOC 15316854

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
SIRR	0.31	347.4	Pg	00:21:22.976	0.2					T__		33.9		---	MLv	15316856	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.31	347.4	Lg	00:21:27.376	-0.4					T__				---		15316857	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 0.7 1																								
SURR	0.33	129.0	Pg	00:21:22.939	0.3					T__				---		15316858	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.33	129.0	Pg	00:21:22.939	0.3					T__				---		15316859	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.33	129.0	Lg	00:21:27.314	-0.2					T__				---		15316860	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.35	193.9	Pg	00:21:23.370	0.1					T__		28.0		---	MLv	15316861	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.35	193.9	Lg	00:21:28.315	-0.2					T__				---		15316862	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 0.7 1																								
GZR	0.91	128.2	Pg	00:21:33.571	0.1					T__				---		15316863	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.91	128.2	Pg	00:21:33.571	0.1					T__				---		15316864	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.91	128.2	Pn	00:21:36.380	2.2					T__		23.3		---	MLv	15316865	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	0.91	128.2	Lg	00:21:45.203	-0.6					T__				---		15316866	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 1.4 1																								
DRGR	1.06	38.0	Pn	00:21:36.658	0.6					T__				---		15316867	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.06	38.0	Pn	00:21:36.658	0.6					T__				---		15316868	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.06	38.0	Lg	00:21:50.821	-0.1					T__				---		15316869	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.06	38.0	Pn	00:21:36.327	0.3					T__		24.2		---	MLv	15316870	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	1.06	38.0	Lg	00:21:50.326	-0.6					T__				---		15316871	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 1.5 1																								
HERR	1.17	156.6	Lg	00:21:52.895	-0.5					T__				---		15316872	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.17	156.6	Lg	00:21:52.895	-0.5					T__				---		15316873	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.18	181.7	Pn	00:21:37.014	-0.8					T__				---		15316874	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.18	181.7	Pn	00:21:37.014	-0.8					T__				---		15316875	FDSN	IR	--	ISC	iLoc	???	???	_

MARR	1.18	52.3	Pn	00:21:38.242	0.3	T__	---	15316876	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.18	52.3	Pn	00:21:38.242	0.3	T__	---	15316877	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.18	52.3	Lg	00:21:53.511	-1.4	T__	---	15316878	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/09/24	07:48:27.43	0.96	0.01	48.0638	20.6815				0.2F	4.7	5	197	0.44	0.55	a	kx	KRSZO	15279824	ISC			360
2019/09/24	07:48:26.02	1.17	1.07	48.0755	20.6453	7.9	4.1	165	0.0S		8	5	192	0.09	0.53	m	sx	BUD	15316906	iLoc		262

(description : suspected quarry blast)
(locality : Miskolc-Mexikóvölgy Hungary)

Magnitude	Err	Nsta	Author	OrigID
M	1.4		KRSZO	15279824
MLv	1.4		KRSZO	15279824
ML	1.5	0.0	3 ILOC	15316906

Sta	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	300.1	Pg	07:48:28.521	-0.0					T__		929.0		---	MLv	15316908	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.09	300.1	Lg	07:48:31.187	0.4					T__				---		15316909	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 1.5 1																								
KECS	0.42	345.4	Lg	07:48:41.314	0.1					T__				---		15316910	FDSN	SK	--	BUD	iLoc	EHE	???	_
JOS	0.43	350.3	Lg	07:48:41.163	-0.2					T__				---		15316911	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
ABAH	0.45	60.7	Pg	07:48:35.982	0.6					T__		54.7		---	MLv	15316912	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.45	60.7	Lg	07:48:41.315	-2.0					T__				---		15316913	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.3 1																								
PSZ	0.53	253.0	Pg	07:48:38.005	0.5					T__		58.1		---	MLv	15316914	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.53	253.0	Lg	07:48:44.914	-1.0					T__				---		15316915	FDSN	GE	--	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	
2019/09/24	08:51:25.45	2.76	0.36	46.0806	18.1500	18.8	7.4	127	0.0S		4	3	224	0.04	0.45	m	sx	BUD	15316896	iLoc			312

(description : suspected quarry blast)
(locality : Bükkösd-II Hungary)

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	0.04	282.5	Pg	08:51:27.038	0.1					T__		2127.3		---	MLv	15316898	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.04	282.5	Lg	08:51:28.215	-0.2					T__				---		15316899	FDSN	HU	--	BUD	iLoc	BHN	???	_
A273A	0.28	234.9	Lg	08:51:35.821	-0.2					T__				---		15316900	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A266A	0.45	10.1	Lg	08:51:42.078	-0.2					T__				---		15316901	FDSN	Z3	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	
2019/09/24	13:58:40.92	1.27	0.66	48.5906	20.7718	7.6	4.0	10	0.0S		13	6	189	0.18	1.03	m	sx	BUD	15316929	iLoc			255

(description : suspected quarry blast)
(locality : Dvorniky-Vcelare Slovakia)

Magnitude	Err	Nsta	Author	OrigID
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ML 1.6 0.1 6 ILOC 15316929

Sta	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	238.7	Pg	13:58:45.133	0.4					T__		478.5		---	MLv	15316931	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.18	238.7	Lg	13:58:48.337	0.5					T__				---		15316932	FDSN	ZJ	--	BUD	iLoc	HHZ	???	_
				(Station ML : 1.5 1																				
KECS	0.22	240.6	Pg	13:58:45.400	-0.1					T__		2.4		---		15316933	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	0.22	240.6	Pg	13:58:45.609	0.1					T__		2428.8		---	MLv	15316934	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.22	240.6	Lg	13:58:48.555	-0.5					T__				---		15316935	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.22	240.6	Lg	13:58:49.700	0.6					T__		2.4		---		15316936	FDSN	IR	--	ISC	iLoc	???	???	_
				(Station ML : 2.3 0																				
ABAH	0.43	133.2	Pg	13:58:50.286	0.6					T__		64.0		---	MLv	15316937	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.43	133.2	Lg	13:58:55.865	-1.2					T__				---		15316938	FDSN	HU	--	BUD	iLoc	HHE	???	_
				(Station ML : 1.3 1																				
HU02A	0.50	199.4	Pg	13:58:51.230	-0.2					T__		41.1		---	MLv	15316939	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.50	199.4	Lg	13:58:58.550	-0.9					T__				---		15316940	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
				(Station ML : 1.3 0																				
PSZ	0.89	221.4	Pg	13:59:00.374	0.6					T__		42.6		---	MLv	15316941	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.89	221.4	Lg	13:59:12.786	-0.3					T__				---		15316942	FDSN	GE	--	BUD	iLoc	BHN	???	_
				(Station ML : 1.6 1																				
LANS	1.03	303.5	Pg	13:59:00.908	-0.3					T__		37.0		---	MLv	15316943	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/09/24	18:40:05.16	2.26	0.22	47.6356	20.3646	7.9	7.2	91	15.1F	10.1	8	5	181	0.02	0.50	m	ke BUD	15316971	iLoc			260

Magnitude Err Nsta Author OrigID
 ML 1.0 0.3 3 ILOC 15316971

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TENKA	0.02	329.0	Pg	18:40:08.183	0.0					T__		420.4		---	MLv	15316973	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.02	329.0	Lg	18:40:10.269	-0.1					T__				---		15316974	FDSN	HU	--	BUD	iLoc	HHN	???	_
				(Station ML : 1.0 1																				
ATAN2	0.02	194.1	Pg	18:40:08.192	0.0					T__		1042.6		---	MLv	15316975	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN2	0.02	194.1	Lg	18:40:10.347	-0.1					T__				---		15316976	FDSN	HU	--	BUD	iLoc	HHN	???	_
				(Station ML : 1.4 1																				
HU23A	0.08	272.5	Pg	18:40:08.690	0.1					T__		171.3		---	MLv	15316977	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.08	272.5	Lg	18:40:11.153	0.1					T__				---		15316978	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
				(Station ML : 0.8 1																				
PSZ	0.43	311.9	Lg	18:40:21.097	-0.4					T__				---		15316979	FDSN	GE	--	BUD	iLoc	HHN	???	_
HU02A	0.50	12.4	Lg	18:40:23.645	0.2					T__				---		15316980	FDSN	ZJ	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
2019/09/25	06:31:47.99	0.95	0.83	47.8696	19.4364	7.3	3.0	177	0.0S		12	7	166	0.12	1.11	m	kx BUD	15316994	iLoc			184
2019/09/25	06:31:48.12f		0.87	47.8920	19.4049f				0.0S		12		160	0.13	1.10	a	kx BUD_GT	15328579	BUD			174

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.1	7 BUD	15316994
ML	1.8	0.1	7 ILOC	15328579

Sta	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	06:31:51.647	0.3					T__		1729.0		---	MLv	15330498	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_		
(Station ML : 1.9 1																										
HU10A	0.26	259.9	Pg	06:31:53.451	-0.5					T__		547.9		---	MLv	15330499	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_		
HU10A	0.26	259.9	Lg	06:31:59.631	1.0					T__				---		15330500	FDSN	ZJ	00	BUD	BUD	HHZ	???	_		
(Station ML : 1.8 1																										
PSZ	0.33	85.2	Pg	06:31:55.297	-0.3					T__		158.7		---	MLv	15330501	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_		
PSZ	0.33	85.2	Lg	06:32:00.525	-0.8					T__				---		15330502	FDSN	GE	--	BUD	BUD	BHN	???	_		
(Station ML : 1.4 0																										
A336A	0.44	321.6	Pg	06:31:58.318	1.1					T__		299.5		---	MLv	15330503	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_		
A336A	0.44	321.6	Lg	06:32:04.331	0.1					T__				---		15330504	FDSN	Z3	00	BUD	BUD	HH3	???	_		
(Station ML : 2.0 1																										
HU02A	0.79	72.6	Pg	06:32:02.421	-2.1					T__		65.1		---	MLv	15330505	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_		
HU02A	0.79	72.6	Lg	06:32:15.926	-0.9					T__				---		15330506	FDSN	ZJ	00	BUD	BUD	HHN	???	_		
(Station ML : 1.8 1																										
JOS	0.97	51.0	Pn	06:32:07.810	-0.0					T__		58.4		---	MLv	15330507	FDSN	ZJ	--	BUD	BUD	HHZ	HHZ	_		
JOS	0.97	51.0	Sn	06:32:23.566	0.1					T__				---		15330508	FDSN	ZJ	--	BUD	BUD	HHE	???	_		
(Station ML : 1.8 1																										
HU08A	1.10	245.8	Pg	06:32:10.918	0.9					T__		101.4		---	MLv	15330509	FDSN	ZJ	00	BUD	BUD	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
2019/09/25	07:45:58.88	0.38	0.27	47.5749	16.3564	3.4	1.5	167	0.0F	0.0	11	2		0.13	0.65	a	kx VIE	15279836	ISC			360
2019/09/25	07:45:57.85	1.26	1.31	47.5523	16.3782	8.8	4.5	144	0.0S		17	8	200	0.16	1.51	m	sx BUD	15317037	iLoc			232

Magnitude	Err	Nsta	Author	OrigID
mb	0.7		VIE	15279836
ml	1.4		VIE	15279836
ML	1.6	0.3	4 ILOC	15317037

Sta	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	0.16	339.5	Pg	07:46:01.190	-0.2					T__		8.2	0.08	---		15317039	FDSN	IR	--	ISC	iLoc	???	???	_		
RONA	0.16	339.5	Lg	07:46:03.365	-0.5					T__		90.6	0.26	---		15317040	FDSN	IR	--	ISC	iLoc	???	???	_		
SOP	0.18	42.8	Pg	07:46:02.186	0.4					T__		149.9		---	MLv	15317041	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_		
SOP	0.18	42.8	Lg	07:46:04.953	0.3					T__				---		15317042	FDSN	HU	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.0 1																										
CONA	0.51	317.4	Pg	07:46:06.652	-1.5					T__		73.8		---	MLv	15317043	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_		
CONA	0.51	317.4	Lg	07:46:15.636	0.6					T__				---		15317044	FDSN	OE	--	BUD	iLoc	BHN	???	_		
CONA	0.51	317.4	Pg	07:46:08.349	0.2					T__		0.4	0.04	---		15317045	FDSN	IR	--	ISC	iLoc	???	???	_		
(Station ML : 1.6 1																										
A012A	0.54	275.8	Pg	07:46:09.091	0.4					T__		75.6		---	MLv	15317046	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
A012A	0.54	275.8	Lg	07:46:17.847	2.2					T__				---		15317047	FDSN	Z3	00	BUD	iLoc	HH2	???	_		
(Station ML : 1.7 1																										
ARSA	0.65	242.8	Lg	07:46:20.281	1.5					T__		3.9	0.42	---		15317048	FDSN	IR	--	ISC	iLoc	???	???	_		
ARSA	0.65	242.8	Lg	07:46:15.753	-3.0					T__				---		15317049	FDSN	OE	--	BUD	iLoc	BHN	???	_		
MODS	1.02	36.0	Sn	07:46:33.921	-0.4					T__				---		15317050	FDSN	SK	--	BUD	iLoc	HHZ	???	_		
A007A	1.30	334.3	Pn	07:46:23.264	0.5					T__		56.3		---	MLv	15317051	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
(Station ML : 2.0 1																										

KRUC	1.51	0.4	Pn	07:46:25.500	-0.1	T__	---	15317052	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.51	0.4	Sn	07:46:44.300	-1.7	T__	---	15317053	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.51	0.4	Pg	07:46:25.954	-0.8	T__	---	15317054	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	1.51	0.4	Sn	07:46:45.425	-0.6	T__	---	15317055	FDSN	CZ	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/09/25	09:03:00.34	1.02	0.89	47.8683	19.1731	8.7	3.7	170	0.0S	5	3	173	0.11	0.49	m	kx	BUD	15317077	iLoc			275
2019/09/25	09:03:00.31f		0.78	47.8355	19.1270f				0.0S	5		197	0.07	0.52	a	kx	BUD_GT	15328583	BUD			289

(GT info : GT2 explosion)
(description : known quarry blast)
(locality : Sejce-Vác Hungary)

Magnitude Err Nsta Author OrigID

Sta	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	0.07	277.6	Pg	09:03:03.120	0.8					T__		2034.8			MLv	15330510	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU10A	0.07	277.6	Lg	09:03:04.862	0.7					T__						15330511	FDSN	ZJ	00	BUD	BUD	HHE	???	_
A336A	0.41	347.9	Lg	09:03:14.636	-0.7					T__						15330512	FDSN	Z3	00	BUD	BUD	HHZ	???	_
PSZ	0.52	80.6	Pg	09:03:10.563	-1.2					T__		104.7			MLv	15330513	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.52	80.6	Lg	09:03:19.980	-0.1					T__						15330514	FDSN	GE	--	BUD	BUD	BHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/09/25	09:13:32.69	1.65	5.57	45.6414	17.2646	7.8	3.2	140	0.0A	12		226	0.74	2.91	a	sx	KRSZO	15279856	ISC				360
2019/09/25	09:13:31.59	2.54	0.86	45.6118	17.2818	17.8	12.2	137	0.0S	15	8	220	0.37	1.30	m	sx	BUD	15327181	iLoc				269

(description : suspected quarry blast)
(locality : Batinjska-Rijeka Croatia)

Magnitude Err Nsta Author OrigID
ML 2.1 KRSZO 15279856
ML 1.9 0.6 3 ILOC 15327181

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
MOSL	0.37	270.5	Pg	09:13:39.600	0.1					T__						15327183	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.37	270.5	Lg	09:13:44.680	-0.3					T__						15327184	FDSN	IR	--	ISC	iLoc	???	???	_
A264A	0.55	0.5	Sn	09:13:54.710	-1.8					T__						15327185	FDSN	Z3	00	BUD	iLoc	HHE	???	_
KOVH	0.74	49.9	Pn	09:13:48.091	-0.2					T__		40.9			MLv	15327186	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.74	49.9	Sn	09:13:59.274	-1.6					T__						15327187	FDSN	HU	--	BUD	iLoc	BHN	???	_

(Station ML : 1.5 1

KALN	0.78	312.3	Pg	09:13:47.790	0.2					T__						15327188	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.78	312.3	Lg	09:13:58.020	-0.3					T__						15327189	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.93	337.9	Sn	09:14:04.986	-0.4					T__						15327190	FDSN	HU	--	BUD	iLoc	BHE	???	_
PTJ	0.97	288.3	Pn	09:13:52.042	0.2					T__		78.8			MLv	15327191	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.97	288.3	Sn	09:14:05.886	-0.6					T__						15327192	FDSN	CR	--	BUD	iLoc	BHN	???	_
PTJ	0.97	288.3	Pg	09:13:50.650	-0.2					T__						15327193	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.97	288.3	Lg	09:14:04.710	0.1					T__						15327194	FDSN	IR	--	ISC	iLoc	???	???	_

(Station ML : 1.9 1

KOGS	1.10	319.7	Sn	09:14:10.253	0.9					T__						15327195	FDSN	SL	--	BUD	iLoc	BHE	???	_
CRES	1.30	280.2	Pn	09:13:57.581	0.9					T__		144.5			MLv	15327196	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_

CRES	1.30	280.2	Lg	09:14:16.031	0.7			T__						15327197	FDSN	SL	--	BUD	iLoc	BHE	???	_
(Station ML : 2.4 1																						
SOP	2.13	346.7	Pg	09:14:23.201	10.8		7.2	---						15327198	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/09/25	09:57:55.41	1.06	0.61	48.5847	20.8085	6.9	3.6	7	0.0S	18	9	126	0.20	1.28	m	sx	BUD	15317124	iLoc			184
(description : suspected quarry blast)																						
(locality : Szentgál Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.1	6 ILOC	15317124

Sta	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	243.8	Pg	09:57:59.851	0.2					T__		595.0		---	MLv	15317126	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.20	243.8	Lg	09:58:03.699	0.8					T__				---		15317127	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 1.6 1																								
KECS	0.24	244.8	Pg	09:58:00.300	-0.1					T__		1.2		---		15317128	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	0.24	244.8	Pg	09:58:00.617	0.3					T__		1238.8		---	MLv	15317129	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.24	244.8	Lg	09:58:03.200	-1.0					T__		1.2		---		15317130	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	0.24	244.8	Lg	09:58:04.703	0.5					T__				---		15317131	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 2.1 0																								
ABAH	0.41	135.0	Pg	09:58:04.002	0.2					T__		82.3		---	MLv	15317132	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.41	135.0	Lg	09:58:10.160	-0.7					T__				---		15317133	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.3 0																								
HU02A	0.50	202.3	Pg	09:58:05.729	-0.2					T__		60.5		---	MLv	15317134	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.50	202.3	Lg	09:58:13.452	-0.6					T__				---		15317135	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.5 1																								
PSZ	0.90	222.8	Pn	09:58:14.126	-0.3					T__		62.2		---	MLv	15317136	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.90	222.8	Lg	09:58:28.498	0.5					T__				---		15317137	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.8 1																								
KOLS	1.03	69.7	Lg	09:58:31.744	0.7					T__				---		15317138	FDSN	SK	--	BUD	iLoc	HHE	???	_
HOLU	1.05	92.6	Pn	09:58:16.741	0.5					T__				---		15317139	FDSN	UA	--	BUD	iLoc	MHZ	???	_
HOLU	1.05	92.6	Lg	09:58:31.685	-0.1					T__				---		15317140	FDSN	UA	--	BUD	iLoc	MHZ	???	_
LANS	1.05	303.1	Pn	09:58:15.970	-0.7					T__		48.1		---	MLv	15317141	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
LANS	1.05	303.1	Lg	09:58:30.098	-0.9					T__				---		15317142	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.8 1																								
STZU	1.28	69.5	Pn	09:58:20.483	0.7					T__				---		15317143	FDSN	UA	--	BUD	iLoc	MHZ	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/09/25	19:09:51.54	2.01	0.16	47.6510	20.3782	19.6	7.0	65	12.0A	5	3	282	0.02	0.09	m	ke	BUD	15317171	iLoc			343

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
TENKA	0.02	279.2	Pg	19:09:53.930	-0.1					T__		132.9		---	MLv	15317173	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.02	279.2	Lg	19:09:55.998	0.1					T__				---		15317174	FDSN	HU	--	BUD	iLoc	HHN	???	_
ATAN2	0.04	201.3	Pg	19:09:54.039	-0.1					T__		238.9		---	MLv	15317175	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN2	0.04	201.3	Lg	19:09:56.246	0.2					T__				---		15317176	FDSN	HU	--	BUD	iLoc	HHE	???	_

HU23A 0.09 262.2 Lg 19:09:56.952 0.0 T__ --- 15317177 FDSN ZJ 00 BUD iLoc HHN ??? _

Table with columns: Date, Time, Err, RMS, Latitude, Longitude, Smaj, Smin, Az, Depth, Err Ndef, Nsta, Gap, mdist, Mdist, Qual, Author, OrigID, Rep, DPdep, Err, Sgp. Rows include data for dates 2019/09/26 and stations BEO, BUC, CSEM, BUD.

Table with columns: Magnitude, Err, Nsta, Author, OrigID. Rows include data for stations BEO, BUC, CSEM, ILOC.

Main data table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude, ArrID, Agy, Deploy, Ln, Auth, Rep, PCh, ACh, L. Rows include data for stations TIM, BZS, BANR, SIRR, VRSS, SURR, SUBS, HU21A, HU24A.

HU24A	1.09	2.2	Lg	00:57:42.532	0.6	T__			15317295	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML	: 2.5		0														
BEO	1.10	204.6	Sn	00:57:40.093	-1.0	T__			15317296	FDSN	SJ	--	BUD	iLoc	BHE	???	_
BEO	1.10	203.8	Pg	00:57:27.900	1.7	T__	0.4		15317297	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	1.12	232.8	Sn	00:57:41.413	-0.8	T__			15317298	FDSN	SJ	--	BUD	iLoc	HHN	???	_
FRGS	1.12	234.2	Pn	00:57:25.500	-0.3	T__			15317299	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	1.12	234.2	Sn	00:57:41.900	-0.0	T__			15317300	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.13	157.1	Pn	00:57:25.700	-0.6	T__			15317301	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.13	157.1	Pg	00:57:26.103	-1.0	T__			15317302	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.13	157.1	Pg	00:57:26.103	-1.0	T__	0.1		15317303	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.13	157.1	Sn	00:57:41.800	-0.5	T__			15317304	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.13	157.1	Sn	00:57:41.801	-0.5	T__	0.1		15317305	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.13	157.1	Sn	00:57:41.801	-0.5	T__			15317306	FDSN	IR	--	ISC	iLoc	???	???	_
AVAS	1.20	200.3	Pg	00:57:27.800	-0.2	T__			15317307	FDSN	IR	--	ISC	iLoc	???	???	_
AVAS	1.20	200.3	Sn	00:57:43.200	-0.6	T__			15317308	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.25	109.3	Pn	00:57:28.277	0.0	T__	290.7	MLv	15317309	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.25	109.3	Pn	00:57:28.500	0.3	T__	0.3		15317310	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.25	109.3	Pg	00:57:29.206	-0.2	T__			15317311	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.25	109.3	Pg	00:57:29.206	-0.2	T__	0.3		15317312	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.25	109.3	Sn	00:57:45.415	-0.0	T__			15317313	FDSN	RO	--	BUD	iLoc	BHE	???	_
GZR	1.25	109.3	Lg	00:57:45.849	-0.1	T__	0.3		15317314	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.25	109.3	Lg	00:57:45.849	-0.1	T__			15317315	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML	: 2.7		1														
DEV	1.26	86.3	Pg	00:57:28.997	-0.5	T__	493.8	MLv	15317316	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DEV	1.26	86.3	Lg	00:57:46.028	0.3	T__			15317317	FDSN	RO	--	BUD	iLoc	BHN	???	_
DEV	1.26	86.5	Pg	00:57:29.101	-0.5	T__			15317318	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	1.26	86.5	Pg	00:57:29.101	-0.5	T__	0.3		15317319	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	1.26	86.5	Pb	00:57:31.000	1.4	T__	0.5		15317320	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML	: 2.9		1														
HERR	1.32	134.8	Pn	00:57:29.482	0.6	T__	0.1		15317322	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.32	134.8	Pn	00:57:29.482	0.6	T__			15317321	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.32	134.8	Lg	00:57:47.253	-0.5	T__	0.1		15317323	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.32	134.8	Lg	00:57:47.253	-0.5	T__			15317324	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	1.36	20.3	Lg	00:57:48.548	-1.2	T__			15317325	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	1.36	20.3	Lg	00:57:48.548	-1.2	T__	0.2		15317326	FDSN	IR	--	ISC	iLoc	???	???	_
HU22A	1.46	291.0	Pg	00:57:33.207	-0.3	T__	414.3	MLv	15317327	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
(Station ML	: 2.9		1														
KUBS	1.47	163.6	Pn	00:57:29.000	-1.9	T__			15317328	FDSN	IR	--	ISC	iLoc	???	???	_
KUBS	1.47	163.6	Sn	00:57:50.900	0.8	T__			15317329	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.48	48.5	Pn	00:57:31.570	0.4	T__			15317330	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.48	48.5	Pn	00:57:31.570	0.4	T__	0.1		15317331	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.48	48.5	Pg	00:57:33.500	-1.0	T__	0.2		15317332	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.48	48.5	Sn	00:57:51.811	0.9	T__	0.1		15317333	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.48	48.5	Sn	00:57:51.811	0.9	T__			15317334	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.48	48.5	Lg	00:57:53.000	-0.5	T__			15317335	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.48	48.5	Pn	00:57:31.375	0.2	T__	189.6	MLv	15317336	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	1.48	48.5	Lg	00:57:53.235	-0.3	T__			15317337	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML	: 2.6		0														
HU04A	1.50	312.0	Sn	00:57:50.507	-0.1	T__			15317338	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
DJES	1.53	138.5	Pg	00:57:33.023	-1.2	T__			15317339	FDSN	IR	--	ISC	iLoc	???	???	_
DJES	1.53	138.5	Pg	00:57:33.023	-1.2	T__	0.4		15317340	FDSN	IR	--	ISC	iLoc	???	???	_
DJES	1.53	138.5	Lg	00:57:53.420	-0.9	T__	0.4		15317341	FDSN	IR	--	ISC	iLoc	???	???	_
DJES	1.53	138.5	Lg	00:57:53.420	-0.9	T__			15317342	FDSN	IR	--	ISC	iLoc	???	???	_

DJES	1.56	139.1	Lg	00:57:54.051	-0.7	T__			15317343	FDSN	SJ	--	BUD	iLoc	BHN	???	_	
BSZH	1.59	339.1	Pg	00:57:39.500	2.0	T__	0.1	---	15317344	FDSN	IR	--	ISC	iLoc	???	???	_	
RMGR	1.62	135.2	Lg	00:57:55.811	-0.8	T__		---	15317345	FDSN	IR	--	ISC	iLoc	???	???	_	
RMGR	1.62	135.2	Lg	00:57:55.811	-0.8	T__	0.6	---	15317346	FDSN	IR	--	ISC	iLoc	???	???	_	
MARR	1.64	57.9	Pn	00:57:34.097	0.5	T__		---	15317347	FDSN	IR	--	ISC	iLoc	???	???	_	
MARR	1.64	57.9	Pn	00:57:34.097	0.5	T__	0.1	---	15317348	FDSN	IR	--	ISC	iLoc	???	???	_	
MARR	1.64	57.9	Sn	00:57:55.741	0.6	T__	0.1	---	15317349	FDSN	IR	--	ISC	iLoc	???	???	_	
MARR	1.64	57.9	Sn	00:57:55.741	0.6	T__		---	15317350	FDSN	IR	--	ISC	iLoc	???	???	_	
TRUS	1.67	197.3	Pn	00:57:33.100	-0.4	T__		---	15317351	FDSN	IR	--	ISC	iLoc	???	???	_	
TRUS	1.67	197.3	Sn	00:57:56.600	1.5	T__		---	15317352	FDSN	IR	--	ISC	iLoc	???	???	_	
TEKS	1.69	221.7	Pn	00:57:32.500	-1.2	T__		---	15317353	FDSN	IR	--	ISC	iLoc	???	???	_	
TEKS	1.69	221.7	Sn	00:57:57.800	2.2	T__		---	15317354	FDSN	IR	--	ISC	iLoc	???	???	_	
A272A	1.74	302.8	Pn	00:57:35.306	1.0	T__	178.1	---	15317355	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A272A	1.74	302.8	Sn	00:57:56.422	-0.3	T__		---	15317356	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
(Station ML : 2.7 1																		
HU01A	1.83	326.8	Sn	00:57:58.693	0.0	T__		---	15317357	FDSN	ZJ	00	BUD	iLoc	HHN	???	_	
MESR	1.85	43.2	Pn	00:57:37.537	1.4	T__		---	15317358	FDSN	IR	--	ISC	iLoc	???	???	_	
MESR	1.85	43.2	Pn	00:57:37.537	1.4	T__	0.4	---	15317359	FDSN	IR	--	ISC	iLoc	???	???	_	
BORS2	1.85	159.0	Pn	00:57:34.800	-1.4	T__		---	15317360	FDSN	IR	--	ISC	iLoc	???	???	_	
DIVS	1.89	204.9	Pn	00:57:36.400	-0.4	T__		---	15317361	FDSN	IR	--	ISC	iLoc	???	???	_	
HU23A	1.91	342.5	Pn	00:57:37.658	0.9	T__	206.7	---	15317362	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
HU23A	1.91	342.5	Sn	00:58:01.410	1.1	T__		---	15317363	FDSN	ZJ	00	BUD	iLoc	HHN	???	_	
(Station ML : 2.9 1																		
LOT	1.91	100.3	Pg	00:57:41.600	-0.1	T__		---	15317364	FDSN	IR	--	ISC	iLoc	???	???	_	
LOT	1.91	100.3	Pn	00:57:37.663	-0.1	T__	225.8	---	15317365	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
(Station ML : 2.9 1																		
GRUS	1.95	188.1	Pg	00:57:39.200	-1.9	T__		---	15317366	FDSN	IR	--	ISC	iLoc	???	???	_	
CJR	1.95	61.9	Pn	00:57:38.971	1.1	T__	349.3	---	15317367	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
CJR	1.95	61.9	Pn	00:57:39.127	1.2	T__		---	15317368	FDSN	IR	--	ISC	iLoc	???	???	_	
CJR	1.95	61.9	Pn	00:57:39.127	1.2	T__	0.3	---	15317369	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 3.1 0																		
A271A	2.06	311.3	Sn	00:58:04.408	0.1	T__		---	15317370	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
A266A	2.09	290.7	Lg	00:58:11.801	-3.2	T__		---	15317371	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
KOVH	2.11	278.4	Pg	00:57:43.489	-1.7	T__	79.0	---	15317372	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
KOVH	2.11	278.4	Pg	00:57:50.200	5.0	T__		---	15317373	FDSN	IR	--	ISC	iLoc	???	???	_	
KOVH	2.11	278.4	Lg	00:58:12.803	-1.9	T__		---	15317374	FDSN	HU	--	BUD	iLoc	BHE	???	_	
(Station ML : 2.6 0																		
ZAGS	2.16	157.7	Pn	00:57:40.500	0.0	T__		---	15317375	FDSN	IR	--	ISC	iLoc	???	???	_	
BUD	2.19	320.1	Pn	00:57:43.750	3.1	T__	81.3	---	15317376	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
BUD	2.19	320.1	Sn	00:58:05.600	-1.9	T__	0.1	---	15317377	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 2.6 1																		
BOVS	2.23	168.6	Pn	00:57:41.803	0.5	T__		---	15317378	FDSN	IR	--	ISC	iLoc	???	???	_	
BOVS	2.23	168.6	Pn	00:57:41.803	0.5	T__		---	15317379	FDSN	IR	--	ISC	iLoc	???	???	_	
PSZ	2.26	339.0	Pn	00:57:42.151	0.3	T__		---	15317380	FDSN	IR	--	ISC	iLoc	???	???	_	
PSZ	2.26	339.0	Pn	00:57:42.151	0.3	T__		---	15317381	FDSN	IR	--	ISC	iLoc	???	???	_	
PSZ	2.26	339.0	Pg	00:57:51.500	0.5	T__		---	15317382	FDSN	IR	--	ISC	iLoc	???	???	_	
PSZ	2.26	339.0	Pn	00:57:41.947	0.1	T__	75.3	---	15317383	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	2.26	339.0	Sn	00:58:07.927	-1.4	T__		---	15317384	FDSN	GE	--	BUD	iLoc	BHE	???	_	
(Station ML : 2.6 1																		
BBLs	2.29	212.2	Pn	00:57:44.033	1.8	T__	562.8	---	15317385	FDSN	SJ	--	BUD	iLoc	BHZ	BHZ	_	
(Station ML : 3.5 0																		
HU03A	2.32	334.3	Pn	00:57:43.327	0.8	T__	100.8	---	15317386	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
(Station ML : 2.8 1																		

HU02A	2.34	350.6	Pn	00:57:43.123	0.3	T__	75.6	---	MLv	15317387	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	2.34	350.6	Sn	00:58:10.532	-0.4	T__		---		15317388	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 2.7 1																		
IVAS	2.34	197.0	Pn	00:57:42.000	-1.1	T__		---		15317389	FDSN	IR	--	ISC	iLoc	???	???	_
TIH	2.47	297.1	Pg	00:58:13.100	20.6	---		---		15317390	FDSN	IR	--	ISC	iLoc	???	???	_
HU10A	2.48	325.6	Pn	00:57:45.880	1.3	T__	166.5	---	MLv	15317391	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU10A	2.48	325.6	Sn	00:58:14.884	0.6	T__		---		15317392	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 3.1 0																		
ABAH	2.48	2.2	Pn	00:57:44.998	0.3	T__	80.5	---	MLv	15317393	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	2.48	2.2	Pg	00:58:01.300	7.4	---		---		15317394	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.8 1																		
BMR	2.48	40.8	Sn	00:58:16.330	1.3	T__		---		15317395	FDSN	RO	--	BUD	iLoc	BHE	???	_
BMR	2.48	40.8	Pg	00:57:57.000	3.8	T__		---		15317396	FDSN	IR	--	ISC	iLoc	???	???	_
CSKK	2.49	309.3	Sn	00:58:15.695	0.5	T__		---		15317397	FDSN	HU	--	BUD	iLoc	HHN	???	_
ARCR	2.58	59.5	Pn	00:57:47.031	0.3	T__		---		15317398	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	2.58	59.5	Pn	00:57:47.031	0.3	T__	0.1	---		15317399	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	2.58	59.5	Pn	00:57:47.136	0.4	T__	141.6	---	MLv	15317400	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
ARCR	2.58	59.5	Pg	00:57:57.600	2.7	T__		---		15317401	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	2.58	59.5	Lg	00:58:28.639	1.2	T__		---		15317402	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 3.1 1																		
SELS	2.60	179.6	Pn	00:57:45.700	-0.9	T__		---		15317403	FDSN	IR	--	ISC	iLoc	???	???	_
HU09A	2.61	315.2	Sn	00:58:17.795	0.0	T__		---		15317404	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
SJES	2.68	197.8	Pn	00:57:47.600	-0.4	T__		---		15317405	FDSN	IR	--	ISC	iLoc	???	???	_
JOS	2.70	352.1	Pn	00:57:48.766	0.9	T__	116.9	---	MLv	15317406	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	2.70	352.1	Sn	00:58:21.215	1.8	T__		---		15317407	FDSN	ZJ	--	BUD	iLoc	HHN	???	_
(Station ML : 3.1 1																		
HU08A	2.72	307.5	Sn	00:58:19.742	-0.9	T__		---		15317408	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
SRO	2.76	317.2	Sn	00:58:22.474	1.0	T__		---		15317409	FDSN	SK	--	BUD	iLoc	EHE	???	_
ZAPS	2.77	156.1	Pn	00:57:49.300	0.3	T__		---		15317410	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.80	96.5	Pn	00:57:50.631	0.3	T__		---		15317411	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.80	96.5	Pn	00:57:50.631	0.3	T__		---		15317412	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	2.95	250.9	Pn	00:57:51.407	-0.3	T__	81.4	---	MLv	15317413	FDSN	MN	--	BUD	iLoc	BHZ	BHZ	_
BLY	2.95	250.9	Lg	00:58:39.776	-0.2	T__		---		15317414	FDSN	MN	--	BUD	iLoc	BHE	???	_
BLY	2.96	250.2	Pn	00:57:51.546	-0.4	T__		---		15317415	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	2.96	250.2	Pn	00:57:51.546	-0.4	T__		---		15317416	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 3.1 1																		
DOPR	3.00	85.7	Pn	00:57:53.646	0.7	T__		---		15317417	FDSN	IR	--	ISC	iLoc	???	???	_
DOPR	3.00	85.7	Pn	00:57:53.646	0.7	T__		---		15317418	FDSN	IR	--	ISC	iLoc	???	???	_
BARS	3.05	170.0	Pn	00:57:51.300	-1.5	T__		---		15317419	FDSN	IR	--	ISC	iLoc	???	???	_
KOLS	3.22	14.0	Pg	00:58:18.300	11.5	---		---		15317420	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	3.36	55.6	Lg	00:58:55.261	2.9	T__		---		15317421	FDSN	RO	--	BUD	iLoc	BHE	???	_
MLR	3.42	93.8	Pn	00:57:59.222	-0.0	T__		---		15317422	FDSN	IR	--	ISC	iLoc	???	???	_
MLR	3.42	93.8	Pn	00:57:59.222	-0.0	T__		---		15317423	FDSN	IR	--	ISC	iLoc	???	???	_
MLR	3.42	93.8	Pg	00:58:01.300	-9.1	---		---		15317424	FDSN	IR	--	ISC	iLoc	???	???	_
NIE	3.64	351.8	Pg	00:58:19.200	3.2	T__		---		15317425	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	3.80	301.4	Pn	00:58:03.917	0.7	T__	0.3	0.12	---	15317426	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	3.80	301.4	Sn	00:58:45.115	-2.0	T__	2.0	0.42	---	15317427	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	3.83	323.8	Pn	00:58:03.900	-0.0	T__		---		15317428	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	4.10	292.4	Sn	00:58:52.211	-1.6	T__	1.1	0.40	---	15317429	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	4.16	302.3	Pg	00:58:18.317	-6.2	---	0.6	0.30	---	15317430	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	4.16	302.3	Sn	00:58:55.050	-1.2	T__	2.2	0.52	---	15317431	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	4.29	283.7	Sn	00:58:56.303	-2.4	T__	0.6	0.26	---	15317432	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	4.55	317.2	Pn	00:58:13.300	-0.3	T__		---		15317433	FDSN	IR	--	ISC	iLoc	???	???	_

KRUC	4.55	317.2	Sn	00:59:04.100	-1.7	T__	---	15317434	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	4.63	330.1	Pn	00:58:14.700	-0.2	T__	---	15317435	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	4.63	330.1	Pg	00:58:15.429	-20.1	---	---	15317436	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	4.63	330.1	Sn	00:59:06.200	-1.9	T__	---	15317437	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	4.63	320.5	Pn	00:58:14.800	-0.0	T__	---	15317438	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	4.63	320.5	Sn	00:59:06.300	-1.8	T__	---	15317439	FDSN	IR	--	ISC	iLoc	???	???	_
KSP	5.96	329.2	Pg	00:58:47.300	-11.6	---	---	15317440	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/09/26	01:04:51.40	0.30		45.8050	21.1030	0.1	0.0		6.0F	4.7	16			0.40	1.65	a	ke BEO	15280180	ISC			360
2019/09/26	01:04:51.53	0.41	0.53	45.8121	21.1592	3.5	1.9	102	14.2F	1.6	21		215	0.09	1.61	a	ke BUC	15280177	ISC			360
2019/09/26	01:04:51.05	1.05	0.93	45.8350	21.1196	7.0	3.6	113	9.5F	4.5	49	17	103	0.12	1.69	m	ke BUD	15317186	iLoc			166

Magnitude	Err	Nsta	Author	OrigID
ML	1.5		BEO	15280180
m1	1.5		BUC	15280177
ML	1.9	0.2	5 ILOC	15317186

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
TIM	0.12	144.2	Pg	01:04:53.867	-0.3					T__						15317188	FDSN	IR	--	ISC	iLoc	???	???	_		
TIM	0.12	144.2	Pg	01:04:53.867	-0.3					T__		1.1				15317189	FDSN	IR	--	ISC	iLoc	???	???	_		
TIM	0.12	144.2	Lg	01:04:56.906	0.4					T__		1.1				15317190	FDSN	IR	--	ISC	iLoc	???	???	_		
TIM	0.12	144.2	Lg	01:04:56.906	0.4					T__						15317191	FDSN	IR	--	ISC	iLoc	???	???	_		
BZS	0.41	121.9	Lg	01:05:05.500	0.1					T__						15317192	FDSN	IR	--	ISC	iLoc	???	???	_		
BZS	0.41	121.9	Sg	01:05:05.638	0.3					T__						15317193	FDSN	IR	--	ISC	iLoc	???	???	_		
BZS	0.42	120.5	Pg	01:04:59.185	-0.4					T__	98.7				MLv	15317194	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
BZS	0.42	120.5	Lg	01:05:04.568	-1.2					T__						15317195	FDSN	RO	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.5 0																										
BANR	0.45	178.4	Lg	01:05:06.381	-0.4					T__						15317196	FDSN	RO	--	BUD	iLoc	BHN	???	_		
BANR	0.45	178.6	Lg	01:05:07.092	0.4					T__						15317197	FDSN	IR	--	ISC	iLoc	???	???	_		
BANR	0.45	178.6	Lg	01:05:07.092	0.4					T__		0.1				15317198	FDSN	IR	--	ISC	iLoc	???	???	_		
SIRR	0.57	41.1	Pg	01:05:02.117	-0.7					T__	55.2				MLv	15317199	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
SIRR	0.57	41.1	Lg	01:05:10.431	-0.6					T__						15317200	FDSN	RO	--	BUD	iLoc	BHN	???	_		
SIRR	0.57	40.8	Lg	01:05:10.700	-0.3					T__						15317201	FDSN	IR	--	ISC	iLoc	???	???	_		
(Station ML : 1.6 1																										
SURR	0.71	96.2	Pg	01:05:05.007	0.2					T__						15317202	FDSN	IR	--	ISC	iLoc	???	???	_		
SURR	0.71	96.2	Pg	01:05:05.007	0.2					T__						15317203	FDSN	IR	--	ISC	iLoc	???	???	_		
SURR	0.71	96.2	Lg	01:05:14.895	0.6					T__						15317204	FDSN	IR	--	ISC	iLoc	???	???	_		
VRSS	0.73	168.5	Pg	01:05:05.300	0.1					T__						15317205	FDSN	IR	--	ISC	iLoc	???	???	_		
VRSS	0.73	168.5	Lg	01:05:14.100	-1.4					T__						15317206	FDSN	IR	--	ISC	iLoc	???	???	_		
HU21A	1.09	297.7	Sn	01:05:26.129	-0.4					T__						15317207	FDSN	ZJ	00	BUD	iLoc	HHN	???	_		
MDVR	1.13	158.1	Pn	01:05:12.129	0.0					T__						15317208	FDSN	IR	--	ISC	iLoc	???	???	_		
MDVR	1.13	158.1	Pn	01:05:12.129	0.0					T__						15317209	FDSN	IR	--	ISC	iLoc	???	???	_		
MDVR	1.13	158.1	Lg	01:05:27.108	-1.0					T__						15317210	FDSN	IR	--	ISC	iLoc	???	???	_		
FRGS	1.14	234.1	Pn	01:05:11.100	-0.7					T__						15317211	FDSN	IR	--	ISC	iLoc	???	???	_		
FRGS	1.14	234.1	Sn	01:05:26.600	-1.7					T__						15317212	FDSN	IR	--	ISC	iLoc	???	???	_		
AVAS	1.22	200.8	Pn	01:05:12.800	-0.1					T__						15317213	FDSN	IR	--	ISC	iLoc	???	???	_		
AVAS	1.22	200.8	Sn	01:05:29.500	-0.6					T__						15317214	FDSN	IR	--	ISC	iLoc	???	???	_		
DEV	1.24	87.0	Pg	01:05:14.845	0.1					T__	71.3				MLv	15317215	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
DEV	1.24	87.0	Sn	01:05:31.354	0.9					T__						15317216	FDSN	RO	--	BUD	iLoc	BHN	???	_		
(Station ML : 2.0 1																										

GZR	1.24	110.2	Pn	01:05:14.369	0.6	T__	54.4	---	MLv	15317217	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.24	110.2	Lg	01:05:29.700	-1.5	T__		---		15317218	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.24	110.2	Lg	01:05:30.107	-1.1	T__		---		15317219	FDSN	RO	--	BUD	iLoc	BHN	???	_
GZR	1.24	110.2	Lg	01:05:30.410	-0.8	T__		---		15317220	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.9 1)																		
DEV	1.25	87.1	Sn	01:05:30.104	-0.4	T__		---		15317221	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.32	135.8	Pn	01:05:14.787	0.2	T__		---		15317222	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.32	135.8	Pn	01:05:14.787	0.2	T__		---		15317223	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.32	135.8	Sn	01:05:32.378	-0.1	T__		---		15317224	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.46	48.5	Pn	01:05:17.922	1.3	T__		---		15317225	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.46	48.5	Pn	01:05:17.922	1.3	T__		---		15317226	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.46	48.5	Pg	01:05:19.300	-0.3	T__		---		15317227	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.46	48.5	Sn	01:05:38.039	1.8	T__		---		15317228	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.46	48.5	Lg	01:05:38.300	-0.1	T__		---		15317229	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.46	48.5	Pn	01:05:18.737	2.1	T__	56.9	---	MLv	15317230	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	1.46	48.5	Sn	01:05:38.408	2.1	T__		---		15317231	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 2.1 0)																		
MARR	1.62	58.1	Pn	01:05:20.104	1.1	T__		---		15317232	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.62	58.1	Pn	01:05:20.104	1.1	T__		---		15317233	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.62	58.1	Sn	01:05:40.854	0.4	T__		---		15317234	FDSN	IR	--	ISC	iLoc	???	???	_
TRUS	1.69	197.7	Pn	01:05:20.600	1.2	T__		---		15317235	FDSN	IR	--	ISC	iLoc	???	???	_
TRUS	1.69	197.7	Sn	01:05:43.100	1.7	T__		---		15317236	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/09/26	01:15:42.66	1.36	0.53	47.6439	20.3313	7.3	4.7	142	12.1F	6.2	14	8	104	0.02	0.89	m	ke	BUD	15317617	iLoc		191

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.3	7 ILOC	15317617

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
TENKA	0.02	47.4	Pg	01:15:45.008	-0.1					T__		1777.4		---	MLv	15317619	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
TENKA	0.02	47.4	Lg	01:15:47.110	0.1					T__				---		15317620	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.6 1)																									
ATAN2	0.04	152.1	Pg	01:15:44.977	-0.2					T__		4671.6		---	MLv	15317621	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ATAN2	0.04	152.1	Lg	01:15:47.095	-0.1					T__				---		15317622	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 2.1 0)																									
HU23A	0.06	264.9	Pg	01:15:45.473	0.1					T__		270.0		---	MLv	15317623	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
HU23A	0.06	264.9	Lg	01:15:47.980	0.5					T__				---		15317624	FDSN	ZJ	00	BUD	iLoc	HHN	???	_	
(Station ML : 0.9 0)																									
PSZ	0.40	313.2	Pg	01:15:51.583	-0.0					T__		40.0		---	MLv	15317625	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_	
PSZ	0.40	313.2	Lg	01:15:57.401	-0.7					T__				---		15317626	FDSN	GE	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.0 1)																									
HU02A	0.50	15.2	Pg	01:15:52.911	-0.3					T__		35.5		---	MLv	15317627	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
HU02A	0.50	15.2	Lg	01:16:00.503	-0.3					T__				---		15317628	FDSN	ZJ	00	BUD	iLoc	HHE	???	_	
(Station ML : 1.2 1)																									
HU01A	0.57	238.4	Pg	01:15:54.965	0.0					T__		78.8		---	MLv	15317629	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
(Station ML : 1.7 1)																									
JOS	0.86	9.1	Pg	01:16:01.176	1.4					T__		62.9		---	MLv	15317630	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_	
JOS	0.86	9.1	Lg	01:16:11.835	-0.1					T__				---		15317631	FDSN	ZJ	--	BUD	iLoc	HHE	???	_	
(Station ML : 1.8 1)																									
ABAH	0.89	42.8	Lg	01:16:13.299	0.0					T__				---		15317632	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
 2019/09/26 08:49:22.04 1.49 0.83 48.5496 20.7898 11.0 3.9 9 0.0S 12 7 164 0.18 1.24 m sx BUD 15317578 iLoc 216
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.4 0.2 6 ILOC 15317578

Sta	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	252.2	Pg	08:49:25.713	-0.1					T__		293.9		---	MLv	15317580	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.18	252.2	Lg	08:49:29.407	0.7					T__				---		15317581	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 1.3 1)																								
KECS	0.21	251.9	Pg	08:49:26.217	-0.3					T__		1619.7		---	MLv	15317582	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.21	251.9	Lg	08:49:30.621	0.6					T__				---		15317583	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 2.1 0)																								
ABAH	0.39	130.1	Pg	08:49:30.454	0.3					T__		77.4		---	MLv	15317584	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.39	130.1	Lg	08:49:36.329	-0.7					T__				---		15317585	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.3 1)																								
HU02A	0.46	202.5	Pg	08:49:31.599	-0.3					T__		39.4		---	MLv	15317586	FDSN	ZJ	00	BUD	iLoc	HHN	HHZ	_
HU02A	0.46	202.5	Lg	08:49:39.496	0.1					T__				---		15317587	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.2 0)																								
PSZ	0.87	223.8	Pg	08:49:40.765	0.4					T__		47.6		---	MLv	15317588	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.87	223.8	Lg	08:49:53.314	-0.2					T__				---		15317589	FDSN	GE	--	BUD	iLoc	BHZ	???	_
(Station ML : 1.7 1)																								
LANS	1.06	305.1	Pn	08:49:41.700	-1.7					T__		29.2		---	MLv	15317590	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 1.6 1)																								
TRPA	1.24	109.1	Sn	08:50:03.116	-1.3					T__				---		15317591	FDSN	HU	--	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
 2019/09/26 10:14:36.34 1.23 1.20 48.7039 21.4553 9.8 5.4 170 0.0S 17 10 175 0.43 1.31 m sx BUD 15317662 iLoc 214
 (description : suspected quarry blast)
 (locality : Slanec Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.7 0.1 6 ILOC 15317662

Sta	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	199.4	Pg	10:14:45.481	0.3					T__		116.5		---	MLv	15317664	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.43	199.4	Lg	10:14:52.108	-0.5					T__				---		15317665	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.6 1)																								
KOLS	0.59	66.7	Lg	10:14:56.244	-1.1					T__				---		15317666	FDSN	SK	--	BUD	iLoc	HHE	???	_
HOLU	0.64	105.7	Pn	10:14:50.066	-2.6					T__				---		15317667	FDSN	UA	--	BUD	iLoc	MHZ	???	_
HOLU	0.64	105.7	Lg	10:15:00.585	1.0					T__				---		15317668	FDSN	UA	--	BUD	iLoc	MHZ	???	_
JOS	0.64	251.4	Pn	10:14:50.000	-2.7					T__		68.9		---	MLv	15317669	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.64	251.4	Lg	10:14:58.688	-0.2					T__				---		15317670	FDSN	ZJ	--	BUD	iLoc	HHN	???	_
(Station ML : 1.7 1)																								
KECS	0.68	251.4	Pg	10:14:50.251	0.3					T__		166.7		---	MLv	15317671	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_

KECS	0.68	251.4	Lg	10:15:00.041	-0.1	T__	---	15317672	FDSN	SK	--	BUD	iLoc	EHN	???	_		
(Station ML : 2.1 0)																		
HU02A	0.85	227.1	Pn	10:14:54.002	-0.5	T__	45.4	---	MLv	15317673	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.85	227.1	Lg	10:15:05.594	-1.4	T__	---	---	---	15317674	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.6 1)																		
MUKU	0.86	106.6	Pn	10:14:54.566	-0.1	T__	---	15317675	FDSN	UA	--	BUD	iLoc	MHZ	???	_		
TRPA	0.92	128.1	Pn	10:14:55.974	0.5	T__	22.1	---	MLv	15317676	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
TRPA	0.92	128.1	Lg	10:15:08.376	-0.7	T__	---	---	---	15317677	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.4 0)																		
BRIU	1.10	108.8	Pn	10:14:58.713	0.5	T__	---	15317678	FDSN	UA	--	BUD	iLoc	MHZ	???	_		
PSZ	1.31	233.6	Pn	10:15:01.447	0.5	T__	56.6	---	MLv	15317679	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	1.31	233.6	Lg	10:15:21.951	-0.1	T__	---	---	---	15317680	FDSN	GE	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/09/26	11:09:36.97	2.62	1.10	47.3736	18.3533	21.4	6.6	130	0.0S	6	5	108	0.06	1.30	m	sx	BUD	15317706	iLoc		176	
(description : suspected quarry blast)																						
(locality : Tatabánya Hungary)																						

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	260.7	Pg	11:09:38.907	-0.0					T__		1938.6		---	MLv	15317708	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.06	260.7	Lg	11:09:40.979	0.0					T__				---	---	15317709	FDSN	HU	--	BUD	iLoc	HHN	???	_
HU09A	0.27	4.2	Lg	11:09:47.810	0.0					T__				---	---	15317710	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
MORH	1.18	170.1	Sn	11:10:15.843	-1.2					T__				---	---	15317711	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	1.18	61.8	Sn	11:10:18.286	0.3					T__				---	---	15317712	FDSN	GE	--	BUD	iLoc	HHE	???	_
KOVH	1.30	187.8	Sn	11:10:21.544	1.4					T__				---	---	15317713	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
2019/09/27	08:44:48.52	0.64	0.33	47.5789	16.3885	4.4	2.3	167	0.0F	0.0	15	2	0.14	0.67	a	kx	VIE	15280260	ISC		360	
2019/09/27	08:44:48.40	1.20	1.10	47.5701	16.3844	7.7	4.5	146	0.0S	23	11	195	0.14	1.87	m	sx	BUD	15317718	iLoc		216	

Magnitude	Err	Nsta	Author	OrigID
mb	1.0		VIE	15280260
m1	1.6		VIE	15280260
ML	1.7	0.2	4 ILOC	15317718

Sta	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	335.3	Pg	08:44:51.263	-0.4					T__		7.5	0.08	---	---	15317720	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.14	335.3	Lg	08:44:53.652	-0.3					T__		43.2	0.22	---	---	15317721	FDSN	IR	--	ISC	iLoc	???	???	_
SOP	0.16	46.0	Pg	08:44:52.401	0.4					T__		207.7		---	MLv	15317722	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
SOP	0.16	46.0	Lg	08:44:54.998	0.3					T__				---	---	15317723	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.1 1)																								
CONA	0.50	315.6	Pg	08:44:58.290	-0.2					T__		85.0		---	MLv	15317724	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
CONA	0.50	315.6	Lg	08:45:05.271	0.0					T__				---	---	15317725	FDSN	OE	--	BUD	iLoc	BHE	???	_
CONA	0.50	315.6	Pg	08:44:58.669	0.2					T__		0.6	0.16	---	---	15317726	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.50	315.6	Lg	08:45:05.013	-0.2					T__		15.9	0.46	---	---	15317727	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.6 1)																								

A012A	0.54	273.9	Pg	08:44:59.175	-0.1	T__	103.6	---	MLv	15317728	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A012A	0.54	273.9	Lg	08:45:06.374	0.1	T__		---		15317729	FDSN	Z3	00	BUD	iLoc	HH3	???	_
(Station ML : 1.8 1																		
ARSA	0.67	241.7	Lg	08:45:10.769	1.0	T__	10.9	0.40	---	15317730	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.67	241.6	Lg	08:45:08.681	-1.0	T__			---	15317731	FDSN	OE	--	BUD	iLoc	BHE	???	_
A013A	0.82	307.2	Pg	08:45:04.329	0.0	T__	79.1		---	15317732	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A013A	0.82	307.2	Lg	08:45:16.249	1.3	T__			---	15317733	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
(Station ML : 1.9 1																		
A019A	0.89	262.4	Sn	08:45:20.610	-1.1	T__			---	15317734	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
MODS	1.00	36.4	Sn	08:45:23.860	-0.6	T__			---	15317735	FDSN	SK	--	BUD	iLoc	HHN	???	_
MODS	1.00	36.4	Sn	08:45:21.300	-3.2	T__			---	15317736	FDSN	IR	--	ISC	iLoc	???	???	_
A007A	1.28	333.8	Sn	08:45:28.561	-2.5	T__			---	15317737	FDSN	Z3	00	BUD	iLoc	HHE	???	_
KRUC	1.49	0.3	Pn	08:45:15.800	-0.1	T__			---	15317738	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.49	0.3	Sn	08:45:35.100	-1.0	T__			---	15317739	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.49	0.3	Pn	08:45:16.058	0.1	T__			---	15317740	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	1.49	0.3	Sn	08:45:35.614	-0.5	T__			---	15317741	FDSN	CZ	--	BUD	iLoc	BHE	???	_
CKRC	1.87	312.8	Sn	08:45:46.011	0.4	T__			---	15317742	FDSN	CZ	--	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
2019/09/27	08:52:06.64	0.20	0.33	46.9373	22.7501	1.7	1.1	137	7.3F	1.2	21	164	0.15	2.19	a	ke	BUC	15280285	ISC			360
2019/09/27	08:52:06.53	0.84	0.74	46.9227	22.7964	4.7	2.9	123	0.0S		42	11	154	0.14	2.16	m	sx	BUD	15317765	iLoc		195
(description : suspected quarry blast)																						
(locality : Poieni Romania)																						

Magnitude	Err	Nsta	Author	OrigID
m1	1.4		BUC	15280285
ML	1.6	0.3	4 ILOC	15317765

Sta	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	0.14	204.1	Pg	08:52:09.634	-0.1					T__		423.8			MLv	15317767	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.14	204.1	Lg	08:52:12.351	-0.2					T__						15317768	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.14	204.1	Lg	08:52:12.690	0.2					T__		0.2				15317769	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.14	204.1	Lg	08:52:12.690	0.2					T__						15317770	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.3 1																								
MESR	0.25	24.7	Pg	08:52:12.034	0.2					T__						15317771	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.25	24.7	Pg	08:52:12.034	0.2					T__						15317772	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.25	24.7	Lg	08:52:15.120	-1.1					T__						15317773	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.33	138.0	Pg	08:52:13.206	-0.2					T__						15317774	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.33	138.0	Pg	08:52:13.206	-0.2					T__						15317775	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.33	138.0	Lg	08:52:19.358	0.3					T__						15317776	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.59	110.5	Pg	08:52:19.013	0.8					T__						15317777	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.59	110.5	Pg	08:52:19.013	0.8					T__		0.1				15317778	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.59	110.5	Lg	08:52:26.994	-0.4					T__		0.1				15317779	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.59	110.5	Lg	08:52:26.994	-0.4					T__						15317780	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.59	110.5	Sn	08:52:30.878	-1.6					T__						15317781	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	1.02	230.3	Pg	08:52:28.267	1.2					T__		19.1			MLv	15317782	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	1.02	230.3	Lg	08:52:41.723	-0.0					T__						15317783	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	1.02	230.5	Pn	08:52:26.004	-1.1					T__						15317784	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.02	230.5	Pn	08:52:26.004	-1.1					T__						15317785	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.02	230.5	Lg	08:52:39.843	-1.8					T__						15317786	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.4 1																								

SURR	1.26	202.0	Pn	08:52:30.575	0.1	T__	---	---	15317787	FDSN	IR	--	ISC	iLoc	???	???	_	
SURR	1.26	202.0	Pn	08:52:30.575	0.1	T__	---	---	15317788	FDSN	IR	--	ISC	iLoc	???	???	_	
SURR	1.26	202.0	Lg	08:52:47.850	-0.4	T__	---	---	15317789	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	1.53	180.5	Pn	08:52:34.974	0.3	T__	---	---	15317790	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	1.53	180.5	Pn	08:52:34.974	0.3	T__	---	---	15317791	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	1.53	180.5	Pg	08:52:35.843	0.3	T__	---	27.0	MLv	15317792	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.53	180.5	Sn	08:52:55.646	-0.4	T__	---	---	15317793	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	1.53	180.5	Sn	08:52:55.927	-0.1	T__	---	---	15317794	FDSN	RO	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.8 1																		
BZS	1.53	212.0	Pg	08:52:36.145	-0.3	T__	---	30.2	MLv	15317795	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	1.53	212.0	Lg	08:52:58.337	1.6	T__	---	---	15317796	FDSN	RO	--	BUD	iLoc	BHE	???	_	
BZS	1.54	212.5	Pn	08:52:34.654	0.2	T__	---	---	15317797	FDSN	IR	--	ISC	iLoc	???	???	_	
BZS	1.54	212.5	Pn	08:52:34.654	0.2	T__	---	---	15317798	FDSN	IR	--	ISC	iLoc	???	???	_	
BZS	1.54	212.5	Sn	08:52:55.075	-0.7	T__	---	---	15317799	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.8 1																		
LOT	1.62	155.0	Pn	08:52:36.234	0.0	T__	---	---	15317800	FDSN	IR	--	ISC	iLoc	???	???	_	
LOT	1.62	155.0	Pn	08:52:36.234	0.0	T__	---	---	15317801	FDSN	IR	--	ISC	iLoc	???	???	_	
LOT	1.62	155.0	Sn	08:52:58.510	-0.3	T__	---	---	15317802	FDSN	IR	--	ISC	iLoc	???	???	_	
LOT	1.62	155.0	Sn	08:52:57.735	-1.3	T__	---	---	15317803	FDSN	RO	--	BUD	iLoc	BHE	???	_	
BURAR	1.79	66.3	Sn	08:53:02.110	-1.3	T__	---	---	15317804	FDSN	IR	--	ISC	iLoc	???	???	_	
BURAR	1.79	66.3	Sn	08:53:02.110	-1.3	T__	---	---	15317805	FDSN	IR	--	ISC	iLoc	???	???	_	
VOIR	2.16	132.7	Pn	08:52:43.952	0.2	T__	---	---	15317806	FDSN	IR	--	ISC	iLoc	???	???	_	
VOIR	2.16	132.7	Pn	08:52:43.952	0.2	T__	---	---	15317807	FDSN	IR	--	ISC	iLoc	???	???	_	
VOIR	2.16	132.7	Sn	08:53:12.366	-0.2	T__	---	---	15317808	FDSN	IR	--	ISC	iLoc	???	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/09/27	11:06:01.47	0.92	1.88	48.2508	21.2330	6.6	5.2	12	0.0S		23	15	74	0.05	4.63	m	kx BUD	15317829	iLoc			84
2019/09/27	11:06:01.15f		1.79	48.2470	21.2460f				0.0S		23		74	0.05	4.62	a	kx BUD_GT	15328599	BUD			84

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.3	8 BUD	15317829
ML	1.8	0.3	8 ILOC	15328599

Sta	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	11:06:03.005	0.3					T__		17675.0		---	MLv	15330515	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_	
ABAH	0.05	355.1	Lg	11:06:03.651	-0.7					T__				---		15330516	FDSN	HU	--	BUD	BUD	HHE	???	_	
(Station ML : 2.7 0																									
HU02A	0.50	255.8	Pg	11:06:11.555	-0.2					T__		81.7		---	MLv	15330517	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_	
HU02A	0.50	255.8	Lg	11:06:19.431	-0.4					T__				---		15330518	FDSN	ZJ	00	BUD	BUD	HHE	???	_	
(Station ML : 1.6 1																									
JOS	0.53	298.0	Pg	11:06:12.282	0.4					T__		105.3		---	MLv	15330519	FDSN	ZJ	--	BUD	BUD	HHZ	HHZ	_	
JOS	0.53	298.0	Lg	11:06:20.081	-0.0					T__				---		15330520	FDSN	ZJ	--	BUD	BUD	HHE	???	_	
(Station ML : 1.8 1																									
KECS	0.56	295.3	Pg	11:06:12.889	0.5					T__		556.8		---	MLv	15330521	FDSN	SK	--	BUD	BUD	EHE	EHZ	_	
KECS	0.56	295.3	Lg	11:06:21.088	0.1					T__				---		15330522	FDSN	SK	--	BUD	BUD	EHE	???	_	
(Station ML : 2.6 1																									
HOLU	0.81	69.3	Pn	11:06:18.570	-0.1					T__				---		15330523	FDSN	UA	--	BUD	BUD	MHZ	???	_	
HOLU	0.81	69.3	Lg	11:06:31.409	1.0					T__				---		15330524	FDSN	UA	--	BUD	BUD	MHZ	???	_	

TRPA	0.87	97.2	Pn	11:06:19.378	-0.1	T__	33.3	---	MLv	15330525	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
TRPA	0.87	97.2	Lg	11:06:32.236	-0.4	T__		---		15330526	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 1.5 0																		
PSZ	0.96	250.6	Pg	11:06:21.950	0.5	T__	63.4	---	MLv	15330527	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.96	250.6	Lg	11:06:34.961	-0.9	T__		---		15330528	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.8 1																		
KOLS	0.97	44.4	Pn	11:06:21.700	0.6	T__		---		15330529	FDSN	SK	--	BUD	BUD	HHZ	???	_
NIE	1.33	332.6	Pg	11:06:29.695	3.5	T__	25.5	---	MLv	15330530	FDSN	PL	--	BUD	BUD	BHZ	BHZ	_
(Station ML : 1.6 1																		
DRGR	1.76	145.2	Pg	11:06:36.690	1.0	T__	37.7	---	MLv	15330531	FDSN	RO	--	BUD	BUD	BHZ	BHZ	_
DRGR	1.76	145.2	Sn	11:06:54.844	-1.4	T__		---		15330532	FDSN	RO	--	BUD	BUD	BHZ	???	_
(Station ML : 2.1 1																		
TGMR	2.81	126.5	Pg	11:06:58.283	3.1	T__		---		15330533	FDSN	IR	--	ISC	BUD	???	???	_
HERR	3.46	166.1	Pg	11:07:11.980	4.3	T__		---		15330534	FDSN	IR	--	ISC	BUD	???	???	_
ARR	3.70	139.8	Pg	11:07:08.799	-3.2	T__		---		15330535	FDSN	IR	--	ISC	BUD	???	???	_
VOIR	3.84	135.7	Pn	11:07:04.546	2.8	T__		---		15330536	FDSN	IR	--	ISC	BUD	???	???	_
BOVS	4.62	175.9	Pg	11:07:25.797	-2.7	T__		---		15330537	FDSN	IR	--	ISC	BUD	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/09/28	17:59:17.66	4.18	0.04	47.6297	20.3746	12.0	7.9	92	14.3F	17.4	6	3	252	0.02	0.09	m	ke BUD	15317887	iLoc			312

Magnitude	Err	Nsta	Author	OrigID
ML	0.7	0.2	3 ILOC	15317887

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
ATAN2	0.02	216.0	Pg	17:59:20.508	-0.0					T__		295.5		---	MLv	15317889	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN2	0.02	216.0	Lg	17:59:22.676	0.0					T__				---		15317890	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 0.8 1																								
TENKA	0.03	323.9	Pg	17:59:20.552	0.0					T__		212.9		---	MLv	15317891	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.03	323.9	Lg	17:59:22.651	-0.0					T__				---		15317892	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 0.7 1																								
HU23A	0.09	276.3	Pg	17:59:21.032	-0.0					T__		89.6		---	MLv	15317893	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.09	276.3	Lg	17:59:23.528	0.0					T__				---		15317894	FDSN	ZJ	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	
2019/09/30	07:32:18.24	0.91	0.69	47.8878	19.4491	6.0	3.2	176	0.0S		13	8	131	0.29	1.27	m	kx BUD	15317908	iLoc				177
2019/09/30	07:32:18.29f		0.78	47.9151	19.4088f				0.0S		13		121	0.27	1.28	a	kx BUD_GT	15328603	BUD				165

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

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.2	6 BUD	15317908
ML	1.9	0.1	6 ILOC	15328603

Sta	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	255.2	Pg	07:32:24.453	0.2					T__		818.9		---	MLv	15330538	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU10A	0.27	255.2	Lg	07:32:30.127	1.1					T__				---		15330539	FDSN	ZJ	00	BUD	BUD	HHE	???	_

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(Station ML : 2.0 1
PSZ 0.33 89.2 Pg 07:32:25.326 -0.4 T__ 193.6 ___ MLv 15330540 FDSN GE -- BUD BUD BHZ BHZ _
PSZ 0.33 89.2 Lg 07:32:30.849 -0.5 T__ 193.6 ___ MLv 15330541 FDSN GE -- BUD BUD BHN ??? _
(Station ML : 1.5 0
A336A 0.42 319.4 Pg 07:32:27.936 0.9 T__ 385.0 ___ MLv 15330542 FDSN Z3 00 BUD BUD HHZ HHZ _
A336A 0.42 319.4 Lg 07:32:34.777 1.0 T__ 385.0 ___ MLv 15330543 FDSN Z3 00 BUD BUD HH2 ??? _
(Station ML : 2.1 1
BUD 0.50 211.2 Lg 07:32:36.573 -0.8 T__ 78.3 ___ MLv 15330544 FDSN HU -- BUD BUD BHN ??? _
HU02A 0.78 74.1 Pg 07:32:33.804 -0.7 T__ 78.3 ___ MLv 15330545 FDSN ZJ 00 BUD BUD HHZ HHZ _
HU02A 0.78 74.1 Lg 07:32:45.257 -1.4 T__ 78.3 ___ MLv 15330546 FDSN ZJ 00 BUD BUD HHN ??? _
(Station ML : 1.8 1
KECS 0.92 51.3 Pn 07:32:37.376 0.1 T__ 158.5 ___ MLv 15330547 FDSN SK -- BUD BUD EHN EHZ _
(Station ML : 2.2 0
JOS 0.95 52.0 Pn 07:32:38.084 0.3 T__ 75.9 ___ MLv 15330548 FDSN ZJ -- BUD BUD HHZ HHZ _
JOS 0.95 52.0 Lg 07:32:50.405 -1.2 T__ 75.9 ___ MLv 15330549 FDSN ZJ -- BUD BUD HHN ??? _
(Station ML : 1.9 1
ABAH 1.28 72.1 Sn 07:33:01.627 0.4 T__ 15330550 FDSN HU -- BUD BUD 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
2019/09/30 09:23:40.47 2.05 0.80 48.5772 20.7308 18.8 4.1 0 0.0S 10 6 146 0.15 1.10 m sx BUD 15317948 iLoc 211
(description : suspected quarry blast)
(locality : Dvorniky-Vcelare Slovakia)

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Magnitude Err Nsta Author OrigID
ML 1.7 0.3 5 ILOC 15317948

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Sta 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 0.15 237.6 Pg 09:23:43.934 0.2 T__ 481.3 ___ MLv 15317950 FDSN ZJ -- BUD iLoc HHZ HHZ _
JOS 0.15 237.6 Lg 09:23:46.890 0.6 T__ 481.3 ___ MLv 15317951 FDSN ZJ -- BUD iLoc HHN ??? _
(Station ML : 1.4 0
KECS 0.19 240.1 Pg 09:23:44.432 -0.0 T__ 1497.3 ___ MLv 15317952 FDSN SK -- BUD iLoc EHE EHZ _
KECS 0.19 240.1 Lg 09:23:47.533 -0.0 T__ 1497.3 ___ MLv 15317953 FDSN SK -- BUD iLoc EHN ??? _
(Station ML : 2.0 0
ABAH 0.44 129.5 Pg 09:23:50.002 0.5 T__ 77.4 ___ MLv 15317954 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.44 129.5 Lg 09:23:55.929 -1.1 T__ 77.4 ___ MLv 15317955 FDSN HU -- BUD iLoc HHN ??? _
(Station ML : 1.4 1
PSZ 0.86 220.6 Pn 09:23:59.131 0.2 T__ 50.7 ___ MLv 15317956 FDSN GE -- BUD iLoc BHZ BHZ _
PSZ 0.86 220.6 Lg 09:24:11.062 -0.6 T__ 50.7 ___ MLv 15317957 FDSN GE -- BUD iLoc BHN ??? _
(Station ML : 1.7 1
LANS 1.01 305.0 Pn 09:24:00.179 -1.0 T__ 64.6 ___ MLv 15317958 FDSN SK -- BUD iLoc EHZ EHZ _
(Station ML : 1.9 1
HOLU 1.10 92.0 Pn 09:24:00.996 -1.1 T__ 64.6 ___ MLv 15317959 FDSN UA -- BUD iLoc MHZ ??? _

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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
2019/10/01 08:00:35.02 1.60 0.61 47.9564 20.3987 14.0 4.0 144 0.0S 9 5 205 0.19 0.66 m sx BUD 15317981 iLoc 307
(description : suspected quarry blast)
(locality : Egerbakta Hungary)

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Magnitude Err Nsta Author OrigID
ML 1.4 0.3 4 ILOC 15317981

Sta	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	27.0	Pg	08:00:39.191	-0.2					T__		350.2		---	MLv	15317983	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
HU02A	0.19	27.0	Lg	08:00:42.691	-0.4					T__				---		15317984	FDSN	ZJ	00	BUD	iLoc	HHE	???	_	
(Station ML : 1.4 1																									
PSZ	0.34	263.8	Pg	08:00:43.037	0.3					T__		55.2		---	MLv	15317985	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	0.34	263.8	Lg	08:00:47.634	-0.9					T__				---		15317986	FDSN	GE	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.0 1																									
KECS	0.53	6.3	Pg	08:00:46.502	0.7					T__		102.2		---	MLv	15317987	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_	
KECS	0.53	6.3	Lg	08:00:54.049	0.1					T__				---		15317988	FDSN	SK	--	BUD	iLoc	EHE	???	_	
(Station ML : 1.8 1																									
JOS	0.55	9.7	Pg	08:00:46.099	0.0					T__		43.9		---	MLv	15317989	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_	
JOS	0.55	9.7	Lg	08:00:54.237	-0.3					T__				---		15317990	FDSN	ZJ	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.4 1																									
ABAH	0.66	58.6	Lg	08:01:00.053	0.7					T__				---		15317991	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/10/01	15:15:20.77	0.26	0.29	46.1303	21.6121	3.1	1.1	108	11.3F	1.6	14	196		0.14	1.65	a	ke BUC	15280365	ISC			360
2019/10/01	15:15:20.83	1.03	0.50	46.1200	21.5969	9.5	4.1	94	4.7F	10.2	25	9	200	0.15	1.66	m	ke BUD	15318009	iLoc			231

Magnitude Err Nsta Author OrigID
ml 1.4 BUC 15280365
ML 1.6 0.3 4 ILOC 15318009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
SIRR	0.15	17.5	Pg	15:15:24.276	-0.0					T__		550.0		---	MLv	15318011	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
SIRR	0.15	17.5	Lg	15:15:26.829	-0.3					T__				---		15318012	FDSN	RO	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.5 1																									
BZS	0.50	176.5	Pg	15:15:31.020	0.3					T__		25.8		---	MLv	15318013	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
BZS	0.50	176.5	Lg	15:15:37.731	-0.2					T__				---		15318014	FDSN	RO	--	BUD	iLoc	BHN	???	_	
BZS	0.50	178.4	Pg	15:15:30.609	-0.1					T__				---		15318015	FDSN	IR	--	ISC	iLoc	???	???	_	
BZS	0.50	178.4	Lg	15:15:30.609	-0.1					T__				---		15318016	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.1 1																									
SURR	0.52	134.6	Pg	15:15:30.765	-0.2					T__				---		15318017	FDSN	IR	--	ISC	iLoc	???	???	_	
SURR	0.52	134.6	Lg	15:15:30.765	-0.2					T__				---		15318018	FDSN	IR	--	ISC	iLoc	???	???	_	
DRGR	1.02	48.5	Pg	15:15:41.717	0.7					T__		53.4		---	MLv	15318019	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
DRGR	1.02	48.5	Lg	15:15:54.998	-0.2					T__				---		15318020	FDSN	RO	--	BUD	iLoc	BHZ	???	_	
(Station ML : 1.8 1																									
GZR	1.10	130.9	Pn	15:15:42.260	0.1					T__				---		15318021	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	1.10	130.9	Pn	15:15:42.260	0.1					T__				---		15318022	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	1.10	130.9	Pn	15:15:42.604	0.4					T__		65.4		---	MLv	15318023	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
GZR	1.10	130.9	Lg	15:15:57.222	0.1					T__				---		15318024	FDSN	RO	--	BUD	iLoc	BHZ	???	_	
GZR	1.10	130.9	Lg	15:15:57.613	0.5					T__				---		15318025	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.9 1																									
MARR	1.19	61.6	Pn	15:15:43.173	-0.2					T__				---		15318026	FDSN	IR	--	ISC	iLoc	???	???	_	
MARR	1.19	61.6	Pn	15:15:43.173	-0.2					T__				---		15318027	FDSN	IR	--	ISC	iLoc	???	???	_	
MARR	1.19	61.6	Lg	15:15:58.932	-1.7					T__				---		15318028	FDSN	IR	--	ISC	iLoc	???	???	_	
MDVR	1.34	176.5	Pn	15:15:45.987	0.6					T__				---		15318029	FDSN	IR	--	ISC	iLoc	???	???	_	
MDVR	1.34	176.5	Pn	15:15:45.987	0.6					T__				---		15318030	FDSN	IR	--	ISC	iLoc	???	???	_	

MDVR	1.34	176.5	Sn	15:16:04.149	0.0	T__	---	15318031	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.37	154.8	Lg	15:16:04.779	-0.0	T__	---	15318032	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.37	154.8	Lg	15:16:04.779	-0.0	T__	---	15318033	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.66	113.1	Sn	15:16:12.021	-0.4	T__	---	15318034	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.66	113.1	Sn	15:16:12.021	-0.4	T__	---	15318035	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/10/02	07:30:15.18	1.66	1.00	47.3284	18.4117	13.2	4.8	163	0.0S	9	7	130	0.11	1.29	m	sx	BUD	15318053	iLoc			228
(description : suspected quarry blast)																						
(locality : Gánt Hungary)																						

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	0.11	288.8	Pg	07:30:18.417	0.4					T__		1325.8			MLv	15318055	FDSN	HU	--	BUD	iLoc	HHE	HHZ	_
CSKK	0.11	288.8	Lg	07:30:19.675	-1.0					T__						15318056	FDSN	HU	--	BUD	iLoc	HHN	???	_
HU09A	0.31	356.3	Lg	07:30:27.556	-0.0					T__						15318057	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
HU08A	0.35	287.4	Lg	07:30:28.402	-0.3					T__						15318058	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
HU10A	0.66	38.2	Lg	07:30:39.986	0.2					T__						15318059	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
PSZ	1.16	59.0	Pg	07:30:39.298	-0.4					T__		47.1			MLv	15318060	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	1.16	59.0	Sn	07:30:55.936	0.1					T__						15318061	FDSN	GE	--	BUD	iLoc	BHE	???	_
KOVH	1.26	189.9	Sn	07:30:59.195	1.8					T__						15318062	FDSN	HU	--	BUD	iLoc	BHN	???	_
MODS	1.29	324.2	Sn	07:30:57.994	-1.1					T__						15318063	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	
2019/10/02	07:36:41.44	1.53	0.62	48.4746	21.3794	8.6	6.9	68	0.0S	8	5	155	0.20	0.75	m	sx	BUD	15318072	iLoc				295
(description : suspected quarry blast)																							
(locality : Pálháza Hungary)																							

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.1	3 ILOC	15318072

Sta	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	207.6	Pg	07:36:46.190	0.3					T__		324.5			MLv	15318074	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.20	207.6	Lg	07:36:49.037	-0.8					T__						15318075	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.4 1																								
JOS	0.56	272.4	Pg	07:36:52.550	-0.1					T__		49.0			MLv	15318076	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.56	272.4	Lg	07:37:01.670	0.5					T__						15318077	FDSN	ZJ	--	BUD	iLoc	HHN	???	_
(Station ML : 1.5 1																								
KECS	0.59	271.2	Lg	07:37:02.656	0.3					T__						15318078	FDSN	SK	--	BUD	iLoc	EHN	???	_
HU02A	0.67	238.6	Pg	07:36:55.621	0.2					T__		39.0			MLv	15318079	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.67	238.6	Lg	07:37:05.122	-0.8					T__						15318080	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 1.5 1																								
KOLS	0.75	51.9	Lg	07:37:07.562	-0.5					T__						15318081	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
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2019/10/02 10:05:31.50 1.82 1.06 48.6247 20.8689 13.5 6.1 10 0.0S 11 6 202 0.26 1.06 m sx BUD 15318095 iLoc 264
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.4 0.3 6 ILOC 15318095

Sta	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	239.7	Pg	10:05:37.635	0.9					T__		157.6			MLv	15318097	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_		
JOS	0.26	239.7	Lg	10:05:40.991	0.1					T__						15318098	FDSN	ZJ	--	BUD	iLoc	HHE	???	_		
(Station ML : 1.2 1)																										
KECS	0.29	241.1	Pg	10:05:38.150	0.7					T__		970.3			MLv	15318099	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_		
KECS	0.29	241.1	Lg	10:05:41.195	-0.9					T__						15318100	FDSN	SK	--	BUD	iLoc	EHE	???	_		
(Station ML : 2.1 0)																										
ABAH	0.41	143.0	Pn	10:05:42.987	-1.7					T__		41.8			MLv	15318101	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
ABAH	0.41	143.0	Lg	10:05:48.734	1.7					T__						15318102	FDSN	HU	--	BUD	iLoc	HHE	???	_		
(Station ML : 1.1 0)																										
HU02A	0.55	204.6	Pg	10:05:43.467	0.4					T__		29.2			MLv	15318103	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_		
HU02A	0.55	204.6	Lg	10:05:51.675	-0.2					T__						15318104	FDSN	ZJ	00	BUD	iLoc	HHN	???	_		
(Station ML : 1.3 1)																										
PSZ	0.96	223.0	Pn	10:05:51.787	0.5					T__		44.1			MLv	15318105	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	0.96	223.0	Lg	10:06:05.749	-0.3					T__						15318106	FDSN	GE	--	BUD	iLoc	BHE	???	_		
(Station ML : 1.7 1)																										
LANS	1.06	300.2	Pn	10:05:53.862	1.0					T__		33.4			MLv	15318107	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/10/02	21:06:12.95	0.25	0.61	47.7781	16.2204	2.8	2.2	37	4.2	1.5	31	17	51	0.25	1.65	m	ke BUD	15258867	scolv@krszo			360
2019/10/02	21:06:12.80	0.10	0.22	47.7540	16.2461	1.3	1.1	23	14.0F	1.1	20		100	0.06	1.57	a	ke IPEC	15280402	ISC			360
2019/10/02	21:06:13.40			47.7800	16.2300				1.0A		9					a	ke PRU	15280409	ISC			360
2019/10/02	21:06:13.08	0.19	0.26	47.7323	16.2279	1.0	0.9	116	11.0F	1.5	27		10	0.06	1.32	a	ke VIE	15280405	ISC			360
2019/10/02	21:06:12.78	0.75	0.79	47.7799	16.2524	3.5	2.6	33	11.7F	0.3	43	20	52	0.09	2.24	m	ke BUD_GT	15318133	iLoc			68

(GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)

Magnitude Err Nsta Author OrigID
 M 1.9 8 BUD 15258867
 MLv 1.9 0.3 8 BUD 15258867
 ML 1.4 IPEC 15280402
 mb 0.9 VIE 15280405
 ml 1.8 VIE 15280405
 ML 1.9 0.1 10 ILOC 15318133

Sta	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	159.7	Pg	21:06:15.680	-0.1					T__		10.3	0.04			15318135	FDSN	IR	--	ISC	iLoc	???	???	_		
RONA	0.09	159.7	Lg	21:06:17.274	-0.6					T__		329.8	0.08			15318136	FDSN	IR	--	ISC	iLoc	???	???	_		
SOP	0.23	115.0	Pg	21:06:17.800	-0.1					T__		133.0			MLv	15318137	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_		
SOP	0.23	115.0	Lg	21:06:21.452	0.0					T__						15318138	FDSN	HU	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.1 0)																										
CONA	0.30	299.6	Pg	21:06:19.337	0.0					T__		100.8			MLv	15318139	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_		
CONA	0.30	299.6	Lg	21:06:24.287	0.5					T__						15318140	FDSN	OE	--	BUD	iLoc	BHE	???	_		
CONA	0.30	299.6	Pg	21:06:19.578	0.3					T__		1.5	0.08			15318141	FDSN	IR	--	ISC	iLoc	???	???	_		
CONA	0.30	299.6	Lg	21:06:24.392	0.6					T__		3.7	0.10			15318142	FDSN	IR	--	ISC	iLoc	???	???	_		

(Station ML : 1.1 0																		
A012A	0.48	248.9	Pg	21:06:22.566	-0.2	T__	127.9	---	MLv	15318143	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A012A	0.48	248.9	Lg	21:06:28.757	-0.4	T__		---		15318144	FDSN	Z3	00	BUD	iLoc	HH2	???	_
(Station ML : 1.8 1																		
A260A	0.58	148.0	Pg	21:06:24.478	-0.1	T__	160.5	---	MLv	15318145	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A260A	0.58	148.0	Lg	21:06:32.517	0.0	T__		---		15318146	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 2.0 1																		
A013A	0.64	296.8	Pg	21:06:25.477	0.3	T__	220.9	---	MLv	15318147	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A013A	0.64	296.8	Lg	21:06:34.192	0.6	T__		---		15318148	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
(Station ML : 2.2 0																		
ZST	0.71	53.6	Pg	21:06:27.137	0.1	T__		---		15318149	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.71	53.6	Lg	21:06:37.060	-0.5	T__		---		15318150	FDSN	SK	--	BUD	iLoc	HHN	???	_
A008A	0.71	325.9	Pg	21:06:27.117	0.5	T__	154.5	---	MLv	15318151	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A008A	0.71	325.9	Lg	21:06:36.580	0.2	T__		---		15318152	FDSN	Z3	00	BUD	iLoc	HH2	???	_
(Station ML : 2.1 1																		
ARSA	0.72	223.3	Lg	21:06:35.457	-0.7	T__	5.1	0.20	---	15318153	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.72	223.3	Pg	21:06:26.382	-0.6	T__	107.8	---	MLv	15318154	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
ARSA	0.72	223.3	Lg	21:06:35.575	-0.6	T__		---		15318155	FDSN	OE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.9 1																		
EGYH	0.82	116.1	Pg	21:06:29.571	0.7	T__	98.3	---	MLv	15318156	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
EGYH	0.82	116.1	Lg	21:06:40.988	0.5	T__		---		15318157	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.9 1																		
MODS	0.91	48.8	Pn	21:06:29.966	-0.8	T__		---		15318158	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.91	48.8	Sn	21:06:44.236	-0.1	T__		---		15318159	FDSN	SK	--	BUD	iLoc	HHN	???	_
A007A	1.05	333.0	Pn	21:06:32.893	0.0	T__	72.9	---	MLv	15318160	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A007A	1.05	333.0	Lg	21:06:46.201	-1.4	T__		---		15318161	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 1.9 1																		
HU08A	1.18	106.5	Lg	21:06:52.578	-0.0	T__		---		15318162	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
KRUC	1.29	4.2	Pn	21:06:36.594	0.6	T__		---		15318163	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	1.29	4.2	Sn	21:06:54.093	0.9	T__		---		15318164	FDSN	CZ	--	BUD	iLoc	BHE	???	_
KOGS	1.33	180.1	Pg	21:06:39.020	1.1	T__	276.4	---	MLv	15318165	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	1.33	180.1	Lg	21:06:55.335	0.0	T__		---		15318166	FDSN	SL	--	BUD	iLoc	BHN	???	_
(Station ML : 2.7 0																		
MOA	1.34	273.7	Pg	21:06:38.103	-0.1	T__	0.3	0.08	---	15318167	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	1.34	273.7	Lg	21:06:56.815	1.2	T__	2.4	0.22	---	15318168	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.55	8.3	Pn	21:06:40.100	0.5	T__		---		15318169	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.55	8.3	Pg	21:06:40.200	-1.8	T__		---		15318170	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.55	8.3	Sn	21:07:01.000	1.4	T__	1.8	0.19	---	15318171	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.55	8.3	Pn	21:06:40.541	0.9	T__		---		15318172	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.55	8.3	Sn	21:07:01.144	1.6	T__		---		15318173	FDSN	CZ	--	BUD	iLoc	BHE	???	_
TREC	1.60	341.7	Lg	21:07:03.089	-1.3	T__		---		15318174	FDSN	CZ	--	BUD	iLoc	BHE	???	_
CKRC	1.66	309.5	Sn	21:07:03.222	0.5	T__		---		15318175	FDSN	CZ	--	BUD	iLoc	BHN	???	_
CKRC	1.66	309.5	Lg	21:07:04.500	-1.5	T__	2.0	0.30	---	15318176	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	2.24	308.2	Lg	21:07:23.600	-0.5	T__	3.7	0.60	---	15318177	FDSN	IR	--	ISC	iLoc	???	???	_

Date 2019/10/03 Time 08:31:59.80 Err 0.82 RMS 1.46 Latitude 48.2357 Longitude 18.7884 Smaj 4.3 Smin 2.9 Az 34 Depth 0.0S Err Ndef 24 Nsta 15 Gap 97 mdist 0.14 Mdist 1.75 Qual m sx Author BUD OrigID 15318229 Rep iLoc DPdep Err Sgp 104
 (description : suspected quarry blast)
 (locality : Hontianske-Trstany Slovakia)

Magnitude Err Nsta Author OrigID

ML 1.9 0.1 8 ILOC 15318229

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
A336A	0.14	90.9	Pg	08:32:03.437	0.5					T__		3770.9		---	MLv	15318231	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A336A	0.14	90.9	Lg	08:32:06.124	0.6					T__				---		15318232	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
(Station ML : 2.3 0)																								
A338A	0.37	233.1	Lg	08:32:14.272	0.5					T__				---		15318233	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.37	305.2	Pn	08:32:09.166	-3.2					T__		269.3		---	MLv	15318234	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A335A	0.37	305.2	Lg	08:32:14.252	0.7					T__				---		15318235	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
(Station ML : 1.8 0)																								
HU10A	0.42	158.3	Pg	08:32:09.216	0.6					T__		223.7		---	MLv	15318236	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU10A	0.42	158.3	Lg	08:32:14.928	-0.7					T__				---		15318237	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.8 1)																								
A332A	0.61	339.4	Pg	08:32:12.270	0.1					T__		177.4		---	MLv	15318238	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A332A	0.61	339.4	Lg	08:32:21.142	0.3					T__				---		15318239	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 2.1 1)																								
HU03A	0.64	121.1	Lg	08:32:22.718	-0.1					T__				---		15318240	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
PSZ	0.81	112.8	Pn	08:32:18.706	1.1					T__		76.4		---	MLv	15318241	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.81	112.8	Lg	08:32:27.831	-1.3					T__				---		15318242	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.8 1)																								
CSKK	0.94	202.4	Sn	08:32:33.286	-1.6					T__				---		15318243	FDSN	HU	--	BUD	iLoc	HHE	???	_
JAVC	0.97	310.4	Pn	08:32:19.770	-0.4					T__				---		15318244	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.97	310.4	Lg	08:32:33.835	-0.6					T__				---		15318245	FDSN	CZ	--	BUD	iLoc	BHE	???	_
MODS	1.02	278.3	Lg	08:32:34.761	-1.2					T__				---		15318246	FDSN	SK	--	BUD	iLoc	HHE	???	_
ZST	1.13	268.6	Sn	08:32:39.427	-0.1					T__				---		15318247	FDSN	SK	--	BUD	iLoc	HHN	???	_
KECS	1.16	77.0	Pg	08:32:22.248	-0.5					T__		120.4		---	MLv	15318248	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	1.16	77.0	Sn	08:32:38.573	-1.6					T__				---		15318249	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 2.2 1)																								
HU02A	1.17	94.9	Pn	08:32:22.133	-0.4					T__		52.4		---	MLv	15318250	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.17	94.9	Sn	08:32:38.188	-2.4					T__				---		15318251	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.9 1)																								
JOS	1.19	76.8	Pg	08:32:23.477	0.1					T__		56.4		---	MLv	15318252	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	1.19	76.8	Sn	08:32:37.842	-3.1					T__				---		15318253	FDSN	ZJ	--	BUD	iLoc	HHN	???	_
(Station ML : 1.9 1)																								
MORC	1.75	332.5	Sn	08:32:53.149	-2.5					T__				---		15318254	FDSN	CZ	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2019/10/03	08:35:57.50	3.50	0.78	46.1364	18.3354	25.0	8.0	115	0.0S		4	3	260	0.17	0.47	m	kx BUD	15318288	iLoc			314		
2019/10/03	08:35:58.07f		0.81	46.1765	18.2926f				0.0S		4		239	0.16	0.42	a	kx BUD_GT	15328619	BUD			309		
(GT info : GT2 explosion)																								
(description : known quarry blast)																								
(locality : Koml6-II Hungary)																								

Magnitude Err Nsta Author OrigID

Sta	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	236.7	Pg	08:36:01.757	-0.2					T__		475.6		---	MLv	15330551	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.16	236.7	Lg	08:36:04.243	-0.8					T__				---		15330552	FDSN	HU	--	BUD	BUD	BHN	???	_
A266A	0.35	356.8	Lg	08:36:11.927	0.5					T__				---		15330553	FDSN	Z3	00	BUD	BUD	HHE	???	_
A265A	0.42	305.9	Lg	08:36:14.941	1.3					T__				---		15330554	FDSN	Z3	00	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/10/03	12:50:49.32	1.12	0.68	45.9330	16.9969	10.5	6.5	179	13.7F	0.5	13	6	186	0.56	1.18	m	ke BUD	15318333	iLoc			190

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.3	6 ILOC	15318333

Sta	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	0.56	344.1	Pn	12:51:01.500	-0.4					T__		0.1				15318335	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.56	344.1	Pn	12:51:01.753	-0.2					T__		214.2			MLv	15318336	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BEHE	0.56	344.1	Lg	12:51:08.931	0.7					T__						15318337	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 2.1 1																								
PTJ	0.72	268.3	Pg	12:51:03.235	0.2					T__		176.0			MLv	15318338	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.72	268.3	Lg	12:51:13.013	-0.2					T__						15318339	FDSN	CR	--	BUD	iLoc	BHE	???	_
(Station ML : 2.1 1																								
KOGS	0.73	315.1	Pg	12:51:03.183	-0.2					T__		562.7			MLv	15318340	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.73	315.1	Lg	12:51:12.842	-0.4					T__						15318341	FDSN	SL	--	BUD	iLoc	BHE	???	_
(Station ML : 2.7 1																								
KOVH	0.78	78.2	Pn	12:51:04.437	-0.3					T__		67.4			MLv	15318342	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.78	78.2	Lg	12:51:15.689	0.5					T__						15318343	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.8 1																								
CRES	1.08	264.9	Pn	12:51:10.097	0.6					T__		618.4			MLv	15318344	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	1.08	264.9	Lg	12:51:24.917	-0.7					T__						15318345	FDSN	SL	--	BUD	iLoc	BHE	???	_
(Station ML : 2.9 0																								
MORH	1.18	75.6	Pn	12:51:10.886	0.8					T__		18.5			MLv	15318346	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.18	75.6	Lg	12:51:27.559	-1.2					T__						15318347	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/10/04	07:43:05.70	1.49	0.49	48.1039	21.3639	9.3	6.4	152	0.0S		12	7	172	0.21	1.03	m	sx BUD	15318298	iLoc			224	
(description : suspected quarry blast)																							
(locality : Tarcsl Hungary)																							

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.2	5 ILOC	15318298

Sta	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	336.7	Pg	07:43:10.712	0.4					T__		224.8			MLv	15318300	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.21	336.7	Lg	07:43:14.245	-0.2					T__						15318301	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.2 0																								
HU02A	0.56	272.2	Pg	07:43:18.007	0.4					T__		57.9			MLv	15318302	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.56	272.2	Lg	07:43:26.343	-0.3					T__						15318303	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.6 1																								
JOS	0.68	305.7	Pg	07:43:19.024	-0.2					T__		63.6			MLv	15318304	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.68	305.7	Lg	07:43:28.845	-0.7					T__						15318305	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 1.7 1																								
KECS	0.70	303.2	Pg	07:43:19.696	-0.0					T__		112.5			MLv	15318306	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.70	303.2	Lg	07:43:30.609	0.3					T__						15318307	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.9 0																								
TRPA	0.79	87.6	Pn	07:43:22.063	-0.8					T__		23.6			MLv	15318308	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_

TRPA	0.79	87.6	Lg	07:43:34.066	-0.4	T__	---	15318309	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.3 1																
PSZ	1.00	259.9	Lg	07:43:41.381	-0.5	T__	---	15318310	FDSN	GE	--	BUD	iLoc	BHN	???	_
KOLS	1.03	35.7	Lg	07:43:41.861	-0.1	T__	---	15318311	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
2019/10/04	08:23:25.36	1.33	0.61	48.5428	20.7834	10.0	3.8	9	0.0S	12	7	87	0.17	1.06	m	sx	BUD	15318374	iLoc			173
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.3	6 ILOC	15318374

Sta	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	254.0	Pg	08:23:28.832	-0.2					T__		390.2			MLv	15318376	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.17	254.0	Lg	08:23:32.603	0.8					T__						15318377	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 1.4 1																								
KECS	0.21	253.4	Pg	08:23:29.319	-0.4					T__		717.3			MLv	15318378	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.21	253.4	Lg	08:23:33.237	0.1					T__						15318379	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.7 1																								
ABAH	0.39	128.9	Pg	08:23:33.488	0.0					T__		81.9			MLv	15318380	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.39	128.9	Lg	08:23:39.801	-0.5					T__						15318381	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.3 0																								
HU02A	0.45	202.4	Pg	08:23:34.714	-0.3					T__		57.3			MLv	15318382	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.45	202.4	Lg	08:23:43.064	0.6					T__						15318383	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 1.3 1																								
PSZ	0.86	223.9	Pn	08:23:42.861	-0.9					T__		61.8			MLv	15318384	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.86	223.9	Lg	08:23:56.721	0.2					T__						15318385	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.8 0																								
NIE	0.93	340.7	Pn	08:23:45.690	0.8					T__		48.0			MLv	15318386	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 1.7 1																								
KOLS	1.06	67.8	Pn	08:23:47.083	0.5					T__						15318387	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	
2019/10/04	10:08:25.31	1.36	3.07	47.6232	16.4500	5.1	4.0	150	0.0A		11	105	0.09	2.34	a	kx	KRSZO	15280452	ISC				360
2019/10/04	10:08:25.28	0.63	0.71	47.5814	16.3647	5.0	2.9	153	0.0F	0.0	14	7	0.13	1.44	a	sx	VIE	15280448	ISC				360
2019/10/04	10:08:25.29	1.12	1.15	47.5772	16.3975	7.4	5.0	143	0.0S		25	12	81	0.14	1.74	m	sx	BUD	15318413	iLoc			139
(description : suspected quarry blast)																							
(locality : Burgruine-Landsee Austria)																							

Magnitude	Err	Nsta	Author	OrigID
ML	1.7		KRSZO	15280452
mb	0.6		VIE	15280448
m1	1.5		VIE	15280448
ML	1.9	0.3	7 ILOC	15318413

Sta	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	330.9	Pg	10:08:27.702	-0.8					T__		2.6	0.08			15318415	FDSN	IR	--	ISC	iLoc	???	???	_

RONA	0.14	330.9	Lg	10:08:30.055	-0.7	T__	30.3	0.20	---	15318416	FDSN	IR	--	ISC	iLoc	???	???	_	
SOP	0.15	45.6	Pg	10:08:29.322	0.6	T__	170.0		---	15318417	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
SOP	0.15	45.6	Lg	10:08:31.572	0.3	T__			---	15318418	FDSN	HU	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.0 0)																			
CONA	0.50	314.4	Pg	10:08:35.584	0.2	T__	91.2		---	15318419	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_	
CONA	0.50	314.4	Pg	10:08:35.371	-0.0	T__	0.4	0.14	---	15318420	FDSN	IR	--	ISC	iLoc	???	???	_	
CONA	0.50	314.4	Lg	10:08:42.829	0.7	T__	3.8	0.28	---	15318421	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.7 1)																			
EGYH	0.65	103.9	Sn	10:08:52.702	-0.1	T__			---	15318422	FDSN	HU	--	BUD	iLoc	HHN	???	_	
ARSA	0.68	241.5	Pg	10:08:38.447	0.0	T__	0.3	0.10	---	15318423	FDSN	IR	--	ISC	iLoc	???	???	_	
ARSA	0.68	241.5	Lg	10:08:46.580	-0.4	T__	1.6	0.26	---	15318424	FDSN	IR	--	ISC	iLoc	???	???	_	
ARSA	0.68	241.5	Pn	10:08:39.402	-2.7	T__	70.8		---	15318425	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_	
(Station ML : 1.7 1)																			
A013A	0.83	306.4	Pg	10:08:41.434	0.2	T__	105.6		---	15318426	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A013A	0.83	306.4	Lg	10:08:52.682	0.7	T__			---	15318427	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
(Station ML : 2.0 1)																			
A018A	0.91	281.1	Pn	10:08:44.044	-0.9	T__	80.5		---	15318428	FDSN	Z3	00	BUD	iLoc	HHN	HHZ	_	
A018A	0.91	281.1	Sn	10:08:55.491	-3.0	T__			---	15318429	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
(Station ML : 1.9 1)																			
KOGS	1.13	185.2	Pn	10:08:49.032	1.3	T__	331.9		---	15318430	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_	
KOGS	1.13	185.2	Sn	10:09:04.570	0.8	T__			---	15318431	FDSN	SL	--	BUD	iLoc	BHE	???	_	
(Station ML : 2.7 0)																			
A007A	1.28	333.3	Pn	10:08:49.968	0.0	T__	118.6		---	15318432	FDSN	Z3	00	BUD	iLoc	HHN	HHZ	_	
A007A	1.28	333.3	Sn	10:09:05.525	-2.4	T__			---	15318433	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
(Station ML : 2.3 1)																			
MOA	1.47	281.5	Pg	10:08:53.830	0.4	T__	1.1	0.26	---	15318434	FDSN	IR	--	ISC	iLoc	???	???	_	
MOA	1.47	281.5	Sn	10:09:12.586	0.1	T__	2.8	0.42	---	15318435	FDSN	IR	--	ISC	iLoc	???	???	_	
KRUC	1.49	359.9	Pn	10:08:52.200	-0.5	T__			---	15318436	FDSN	IR	--	ISC	iLoc	???	???	_	
KRUC	1.49	359.9	Pn	10:08:52.495	-0.2	T__			---	15318437	FDSN	CZ	--	BUD	iLoc	BHZ	???	_	
KRUC	1.49	359.9	Sn	10:09:11.973	-0.9	T__			---	15318438	FDSN	CZ	--	BUD	iLoc	BHE	???	_	
VRAC	1.74	4.2	Sn	10:09:19.311	0.2	T__			---	15318439	FDSN	CZ	--	BUD	iLoc	BHE	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/10/04	11:13:22.42	1.33	0.65	48.2413	21.2381	8.7	4.2	129	0.0S		15	7	153	0.05	0.98	m	kx BUD	15318477	iLoc			206
2019/10/04	11:13:22.39f		0.51	48.2470	21.2460f				0.0S		15		153	0.05	0.97	a	kx BUD_GT	15328629	BUD			206

(GT info : GT2 explosion)

(description : known quarry blast)

(locality : Tallya Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.1	6 BUD	15318477
ML	1.7	0.1	6 ILOC	15328629

Sta	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	11:13:24.246	0.3					T__		7958.4		---	MLv	15330555	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_	
(Station ML : 2.3 0)																									
HU02A	0.50	255.8	Pg	11:13:32.842	-0.1					T__		78.2		---	MLv	15330556	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_	
HU02A	0.50	255.8	Lg	11:13:41.166	0.1					T__				---		15330557	FDSN	ZJ	00	BUD	BUD	HHZ	???	_	
(Station ML : 1.6 1)																									
JOS	0.53	298.0	Pg	11:13:33.633	0.5					T__		65.2		---	MLv	15330558	FDSN	ZJ	--	BUD	BUD	HHZ	HHZ	_	
JOS	0.53	298.0	Lg	11:13:40.889	-0.4					T__				---		15330559	FDSN	ZJ	--	BUD	BUD	HHE	???	_	

(Station ML : 1.6 1																					
KECS	0.56	295.3	Pg	11:13:34.146	0.5	T__				120.0	---	MLv	15330560	FDSN	SK	--	BUD	BUD	EHE	EHZ	_
KECS	0.56	295.3	Lg	11:13:41.159	-1.1	T__					---		15330561	FDSN	SK	--	BUD	BUD	EHN	???	_
(Station ML : 1.9 1																					
TRPA	0.87	97.2	Pn	11:13:40.631	-0.1	T__				32.3	---	MLv	15330562	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
TRPA	0.87	97.2	Lg	11:13:54.029	0.2	T__					---		15330563	FDSN	HU	--	BUD	BUD	BHE	???	_
(Station ML : 1.5 0																					
PSZ	0.96	250.6	Pg	11:13:42.522	-0.2	T__				53.5	---	MLv	15330565	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.96	250.6	Lg	11:13:57.066	-0.1	T__					---		15330566	FDSN	GE	--	BUD	BUD	BHE	???	_
PSZ	0.96	250.6	Lg	11:13:57.600	0.5	T__				0.1	---		15330564	FDSN	IR	--	ISC	BUD	???	???	_
(Station ML : 1.8 1																					
KOLS	0.97	44.4	Pn	11:13:42.320	0.0	T__					---		15330567	FDSN	SK	--	BUD	BUD	HHZ	???	_
KOLS	0.97	44.4	Lg	11:13:57.608	0.9	T__					---		15330568	FDSN	SK	--	BUD	BUD	HHE	???	_
KOLS	0.97	44.4	Sn	11:13:57.800	-0.9	T__					---		15330569	FDSN	IR	--	ISC	BUD	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/10/04	14:44:26.97	3.12	0.38	47.7508	19.7586	20.7	8.1	6	0.0S	6	4	271	0.19	0.91	m	sx	BUD	15318520	iLoc			334
(description : suspected quarry blast)																						
(locality : Nagylóc Hungary)																						

Magnitude	Err	Nsta	Author	OrigID																				
Sta	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	325.1	Lg	14:44:34.882	0.2					T__						15318522	FDSN	ZJ	00	BUD	iLoc	HHZ	???	_
PSZ	0.19	28.6	Pg	14:44:31.504	-0.1					T__	151.4				MLv	15318523	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.19	28.6	Lg	14:44:35.261	-0.2					T__						15318524	FDSN	GE	--	BUD	iLoc	BHE	???	_
HU02A	0.64	53.9	Pn	14:44:42.286	0.1					T__	39.5				MLv	15318525	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.64	53.9	Lg	14:44:51.075	0.6					T__						15318526	FDSN	ZJ	00	BUD	iLoc	HHZ	???	_
JOS	0.91	34.7	Lg	14:44:58.923	0.1					T__						15318527	FDSN	ZJ	--	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
2019/10/07	09:46:35.98	0.20	0.41	46.8646	22.8718	2.0	1.2	133	3.5F	1.7	18	134	0.13	1.76	a	ke	BUC	15280486	ISC			360
2019/10/07	09:46:35.30	0.83	0.71	46.8742	22.8641	5.8	2.8	118	0.0S	39	10	137	0.13	1.77	m	sx	BUD	15318536	iLoc			190

Magnitude	Err	Nsta	Author	OrigID
ml	1.5		BUC	15280486
ML	1.7	0.3	4 ILOC	15318536

Sta	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	0.13	231.9	Pg	09:46:37.735	-0.6					T__	294.3				MLv	15318538	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.13	231.9	Lg	09:46:40.585	-0.4					T__						15318539	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.13	231.9	Pg	09:46:38.480	0.1					T__						15318540	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.13	231.9	Pg	09:46:38.480	0.1					T__	0.2					15318541	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.13	231.9	Lg	09:46:40.835	-0.1					T__	0.2					15318542	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.13	231.9	Lg	09:46:40.835	-0.1					T__						15318543	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.1 1																								
MARR	0.26	138.4	Pg	09:46:40.988	0.1					T__						15318544	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.26	138.4	Pg	09:46:40.988	0.1					T__						15318545	FDSN	IR	--	ISC	iLoc	???	???	_

MARR	0.26	138.4	Lg	09:46:44.275	-1.2	T__	---	---	15318546	FDSN	IR	--	ISC	iLoc	???	???	_	
MESR	0.28	11.9	Pg	09:46:41.202	0.0	T__	---	---	15318547	FDSN	IR	--	ISC	iLoc	???	???	_	
MESR	0.28	11.9	Pg	09:46:41.202	0.0	T__	---	0.1	---	15318548	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.28	11.9	Lg	09:46:45.967	-0.2	T__	---	0.1	---	15318549	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.28	11.9	Lg	09:46:45.967	-0.2	T__	---	---	15318550	FDSN	IR	--	ISC	iLoc	???	???	_	
SIRR	1.03	234.1	Pn	09:46:57.073	1.1	T__	---	27.3	MLv	15318551	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	1.03	234.1	Lg	09:47:09.592	-1.1	T__	---	---	---	15318552	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	1.03	234.3	Lg	09:47:09.267	-1.4	T__	---	---	---	15318553	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.03	234.3	Lg	09:47:09.267	-1.4	T__	---	---	---	15318554	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.5 1																		
ARCR	1.04	77.7	Lg	09:47:10.273	-0.3	T__	---	---	15318555	FDSN	IR	--	ISC	iLoc	???	???	_	
ARCR	1.04	77.7	Lg	09:47:10.273	-0.3	T__	---	0.1	---	15318556	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.23	204.8	Pg	09:47:00.066	1.0	T__	---	---	---	15318557	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.23	204.8	Pg	09:47:00.066	1.0	T__	---	---	---	15318558	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.23	204.8	Sn	09:47:16.680	-0.3	T__	---	---	---	15318559	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.48	182.4	Pg	09:47:03.508	0.1	T__	---	---	---	15318560	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.48	182.4	Pg	09:47:03.508	0.1	T__	---	---	---	15318561	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.48	182.4	Pg	09:47:04.809	1.4	T__	---	35.7	MLv	15318562	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.48	182.4	Sn	09:47:23.842	0.2	T__	---	---	---	15318563	FDSN	RO	--	BUD	iLoc	BHN	???	_
GZR	1.48	182.4	Sn	09:47:23.998	0.3	T__	---	---	---	15318564	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.9 1																		
BZS	1.52	214.5	Pg	09:47:06.076	1.2	T__	---	38.4	MLv	15318565	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	1.52	214.5	Lg	09:47:24.758	-0.3	T__	---	---	---	15318566	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	1.53	215.0	Pg	09:47:04.466	-0.7	T__	---	---	---	15318567	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.53	215.0	Pg	09:47:04.466	-0.7	T__	---	---	---	15318568	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.53	215.0	Sn	09:47:24.537	0.4	T__	---	---	---	15318569	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.9 1																		
LOT	1.56	155.9	Pg	09:47:05.295	0.3	T__	---	---	---	15318570	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.56	155.9	Pg	09:47:05.295	0.3	T__	---	---	---	15318571	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.56	155.9	Sn	09:47:26.348	0.3	T__	---	---	---	15318572	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.56	155.9	Sn	09:47:26.895	0.7	T__	---	---	---	15318573	FDSN	RO	--	BUD	iLoc	BHE	???	_
BURAR	1.77	64.3	Pn	09:47:07.888	0.8	T__	---	---	---	15318574	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	1.77	64.3	Pn	09:47:07.888	0.8	T__	---	---	---	15318575	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	1.77	64.3	Sn	09:47:30.850	-0.7	T__	---	---	---	15318576	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/10/07	11:08:53.19	0.97	0.98	47.8794	19.1875	8.4	3.2	168	0.0S	7	4	168		0.12	0.93	m	kx BUD	15318599	iLoc		255	
2019/10/07	11:08:53.06f		1.65	47.8355	19.1270f				0.0S	7		197		0.07	0.98	a	kx BUD_GT	15328635	BUD		267	

(GT info : GT2 explosion)

(description : known quarry blast)

(locality : Sejce-Vác Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.2	3 BUD	15318599
ML	1.6	0.0	3 ILOC	15328635

Sta	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	0.07	277.6	Pg	11:08:55.470	0.4					T__		1387.4		---	MLv	15330570	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU10A	0.07	277.6	Lg	11:09:00.049	3.1					T__				---	---	15330571	FDSN	ZJ	00	BUD	BUD	HHN	???	_
(Station ML : 1.6 1																								
A336A	0.41	347.9	Lg	11:09:07.638	-0.5					T__				---	---	15330572	FDSN	Z3	00	BUD	BUD	HH3	???	_

PSZ	0.52	80.6	Pg	11:09:04.080	-0.4	T__	51.6	___	MLv	15330573	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.52	80.6	Lg	11:09:11.319	-1.5	T__		---		15330574	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.5 1																		
HU02A	0.98	72.5	Pn	11:09:11.466	-1.6	T__	39.7	___	MLv	15330575	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.98	72.5	Lg	11:09:26.954	-1.9	T__		---		15330576	FDSN	ZJ	00	BUD	BUD	HHZ	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/10/07	21:57:05.34	1.58	0.68	47.7460	18.3108	6.7	5.0	31	13.7F	8.8	10	7	116	0.07	1.19	m	ke	BUD	15318621	iLoc		210

Magnitude	Err	Nsta	Author	OrigID
ML	1.1	0.2	3 ILOC	15318621

Sta	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	1.4	Pg	21:57:08.727	0.4					T__		1088.6		---	MLv	15318623	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
SR0	0.07	1.4	Lg	21:57:09.720	-1.1					T__				---		15318624	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.5 1																								
HU09A	0.12	155.7	Pg	21:57:09.322	0.4					T__		231.6		---	MLv	15318625	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU09A	0.12	155.7	Lg	21:57:11.899	-0.0					T__				---		15318626	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.0 1																								
CSKK	0.38	185.1	Lg	21:57:19.796	-0.3					T__				---		15318627	FDSN	HU	--	BUD	iLoc	HHN	???	_
HU08A	0.41	219.9	Pg	21:57:13.836	-0.0					T__		47.9		---	MLv	15318628	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU08A	0.41	219.9	Lg	21:57:20.134	-0.5					T__				---		15318629	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 1.1 1																								
BUD	0.55	118.3	Lg	21:57:24.919	-0.6					T__				---		15318630	FDSN	HU	--	BUD	iLoc	BHE	???	_
EGYH	0.74	243.9	Lg	21:57:31.106	0.4					T__				---		15318631	FDSN	HU	--	BUD	iLoc	HHE	???	_
SOP	1.19	267.6	Sn	21:57:43.218	0.7					T__				---		15318632	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/10/08	09:22:29.96	1.36	0.42	48.5465	20.8180	10.1	3.8	10	0.0S		12	7	111	0.19	1.04	m	sx	BUD	15318646	iLoc		195

(description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.1	6 ILOC	15318646

Sta	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	254.8	Pg	09:22:34.036	0.0					T__		343.4		---	MLv	15318648	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.19	254.8	Lg	09:22:37.266	0.0					T__				---		15318649	FDSN	ZJ	--	BUD	iLoc	HHN	???	_
(Station ML : 1.4 1																								
KECS	0.23	254.1	Pg	09:22:34.509	-0.3					T__		870.5		---	MLv	15318650	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.23	254.1	Lg	09:22:38.555	0.1					T__				---		15318651	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.9 0																								
ABAH	0.38	131.6	Pg	09:22:37.517	-0.2					T__		96.9		---	MLv	15318652	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.38	131.6	Lg	09:22:44.717	0.4					T__				---		15318653	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.3 1																								
HU02A	0.47	204.8	Pg	09:22:39.903	0.0					T__		48.1		---	MLv	15318654	FDSN	ZJ	00	BUD	iLoc	HHN	HHZ	_
HU02A	0.47	204.8	Lg	09:22:47.440	-0.0					T__				---		15318655	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.3 0																								

PSZ	0.88	224.8	Pg	09:22:48.471	-0.1	T__	66.8	___	MLv	15318656	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	0.88	224.8	Lg	09:23:01.666	-0.1	T__		---		15318657	FDSN	GE	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.8 1																			
NIE	0.93	339.3	Pn	09:22:50.561	1.1	T__	28.9	___	MLv	15318658	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_	
(Station ML : 1.5 1																			
HOLU	1.04	90.5	Pn	09:22:51.172	0.4	T__		---		15318659	FDSN	UA	--	BUD	iLoc	MHZ	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/10/09	08:03:44.04	1.16	0.72	47.3665	18.3820	7.8	5.3	146	0.0S	9	6	109	0.08	1.17	m	sx	BUD	15318685	iLoc			206
(description : suspected quarry blast)																						
(locality : Gánt Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.3	3 ILOC	15318685

Sta	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	267.8	Pg	08:03:46.536	0.2					T__		3534.8	---	MLv	15318687	FDSN	HU	--	BUD	iLoc	HHN	HHZ	_	
CSKK	0.08	267.8	Lg	08:03:48.081	-0.6					T__			---		15318688	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 2.1 1																								
HU09A	0.27	0.1	Lg	08:03:55.440	0.3					T__			---		15318689	FDSN	ZJ	00	BUD	iLoc	HHN	???	_	
HU08A	0.32	281.9	Lg	08:03:56.606	0.0					T__			---		15318690	FDSN	ZJ	00	BUD	iLoc	HHE	???	_	
A336A	0.96	25.4	Lg	08:04:17.767	-0.7					T__			---		15318691	FDSN	Z3	00	BUD	iLoc	HH3	???	_	
PSZ	1.16	61.1	Pn	08:04:07.054	0.4					T__		50.9	---	MLv	15318692	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	1.16	61.1	Sn	08:04:23.568	-1.1					T__			---		15318693	FDSN	GE	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.9 1																								
MORH	1.17	171.0	Pg	08:04:07.435	0.2					T__		15.8	---	MLv	15318694	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
MORH	1.17	171.0	Sn	08:04:23.118	-0.8					T__			---		15318695	FDSN	HU	--	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
2019/10/09	09:07:28.21	1.94	0.91	48.6228	20.8499	14.4	6.0	8	0.0S	10	5	261	0.24	0.95	m	sx	BUD	15318709	iLoc			323

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.1	5 ILOC	15318709

Sta	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	238.6	Pg	09:07:33.874	0.6					T__		256.3	---	MLv	15318711	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_	
JOS	0.24	238.6	Lg	09:07:37.537	0.4					T__			---		15318712	FDSN	ZJ	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.4 1																								
KECS	0.28	240.1	Pg	09:07:34.416	0.4					T__		1355.7	---	MLv	15318713	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_	
KECS	0.28	240.1	Lg	09:07:38.128	-0.3					T__			---		15318714	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Station ML : 2.2 0																								
ABAH	0.42	141.4	Pn	09:07:40.234	-1.2					T__		66.1	---	MLv	15318715	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ABAH	0.42	141.4	Lg	09:07:45.332	1.3					T__			---		15318716	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.3 0																								
HU02A	0.55	203.5	Pg	09:07:40.116	0.4					T__		44.7	---	MLv	15318717	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
HU02A	0.55	203.5	Lg	09:07:47.566	-0.8					T__			---		15318718	FDSN	ZJ	00	BUD	iLoc	HHN	???	_	
(Station ML : 1.5 1																								
NIE	0.87	336.3	Lg	09:07:50.980	-6.1					---			---		15318719	FDSN	PL	--	BUD	iLoc	BHZ	???	_	

PSZ	0.95	222.5	Pg	09:07:48.932	0.7	T__	52.6	---	MLv	15318720	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.95	222.5	Lg	09:08:01.879	-0.5	T__		---		15318721	FDSN	GE	--	BUD	iLoc	BHZ	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/10/09	10:48:12.89	2.48	1.13	48.2322	21.2390	16.2	3.8	122	0.0S		10	5	250	0.06	0.95	m	kx	BUD	15318780	iLoc		311
2019/10/09	10:48:12.98f		0.92	48.2470	21.2460f				0.0S		10		255	0.05	0.96	a	kx	BUD_GT	15328643	BUD		312

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.1	5 BUD	15318780
ML	1.9	0.1	5 ILOC	15328643

Sta	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	10:48:14.730	0.2					T__		8300.6		---	MLv	15330577	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
ABAH	0.05	355.1	Lg	10:48:16.266	0.1					T__				---		15330578	FDSN	HU	--	BUD	BUD	HHN	???	_
(Station ML : 2.4 0)																								
HU02A	0.50	255.8	Pg	10:48:23.319	-0.2					T__		83.1		---	MLv	15330579	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.50	255.8	Lg	10:48:30.838	-0.8					T__				---		15330580	FDSN	ZJ	00	BUD	BUD	HHN	???	_
(Station ML : 1.6 1)																								
JOS	0.53	298.0	Pg	10:48:24.055	0.3					T__		65.1		---	MLv	15330581	FDSN	ZJ	--	BUD	BUD	HHZ	HHZ	_
JOS	0.53	298.0	Lg	10:48:31.616	-0.3					T__				---		15330582	FDSN	ZJ	--	BUD	BUD	HHE	???	_
(Station ML : 1.6 0)																								
KECS	0.56	295.3	Pg	10:48:24.549	0.3					T__		135.6		---	MLv	15330583	FDSN	SK	--	BUD	BUD	EHE	EHZ	_
KECS	0.56	295.3	Lg	10:48:32.966	0.2					T__				---		15330584	FDSN	SK	--	BUD	BUD	EHN	???	_
(Station ML : 1.9 1)																								
PSZ	0.96	250.6	Pg	10:48:34.671	1.4					T__		73.0		---	MLv	15330585	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.96	250.6	Lg	10:48:45.369	-2.4					T__				---		15330586	FDSN	GE	--	BUD	BUD	BHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/10/09	10:59:07.89	0.26	0.35	46.1300	21.6482	2.7	1.3	101	11.1F	1.8	14		183	0.14	1.35	a	ke	BUC	15280554	ISC			360
2019/10/09	10:59:07.64	0.89	0.60	46.1293	21.6573	7.6	2.8	84	0.0S		25	7	180	0.14	1.35	m	sx	BUD	15318743	iLoc			225

Magnitude	Err	Nsta	Author	OrigID
ml	1.0		BUC	15280554

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
SIRR	0.14	1.7	Pg	10:59:11.367	0.4					T__		152.0		---	MLv	15318745	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.14	1.7	Lg	10:59:13.823	0.0					T__				---		15318746	FDSN	RO	--	BUD	iLoc	BHE	???	_
SIRR	0.14	0.7	Pg	10:59:11.249	0.2					T__				---		15318747	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.14	0.7	Pg	10:59:11.249	0.2					T__		0.2		---		15318748	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.14	0.7	Lg	10:59:13.946	0.1					T__		0.2		---		15318749	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.14	0.7	Lg	10:59:13.946	0.1					T__				---		15318750	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.50	138.9	Pg	10:59:17.741	0.5					T__				---		15318751	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.50	138.9	Pg	10:59:17.741	0.5					T__				---		15318752	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.50	138.9	Lg	10:59:24.495	0.2					T__				---		15318753	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.51	181.4	Pg	10:59:17.809	0.1					T__		27.3		---	MLv	15318754	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_

BZS	0.51	181.4	Lg	10:59:24.482	-0.7	T__	---	15318755	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	0.51	183.2	Lg	10:59:24.885	-0.4	T__	---	15318756	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.98	47.3	Pg	10:59:26.705	-0.6	T__	---	15318757	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.98	47.3	Pg	10:59:26.705	-0.6	T__	---	15318758	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.98	47.3	Lg	10:59:40.833	-1.0	T__	---	15318759	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.98	47.3	Lg	10:59:42.235	0.4	T__	---	15318760	FDSN	RO	--	BUD	iLoc	BHE	???	_
GZR	1.08	132.8	Pn	10:59:29.360	0.0	T__	---	15318761	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.08	132.8	Pn	10:59:29.360	0.0	T__	---	15318762	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.08	132.8	Lg	10:59:44.293	1.2	T__	---	15318763	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.15	61.1	Pn	10:59:30.158	-0.2	T__	---	15318764	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.15	61.1	Pn	10:59:30.158	-0.2	T__	---	15318765	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.15	61.1	Lg	10:59:45.403	-1.7	T__	---	15318766	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.35	178.3	Pn	10:59:32.701	-0.4	T__	---	15318767	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.35	178.3	Pn	10:59:32.701	-0.4	T__	---	15318768	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.35	178.3	Lg	10:59:51.375	-0.4	T__	---	15318769	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/10/10	01:35:06.73	0.37	1.10	46.1642	16.4346	4.3	3.1	142	11.3	3.3	15	10	129	0.31	1.25	m	ke BUD	15259539	scolv@krszo			360
2019/10/10	01:35:06.89	0.83	0.73	46.1604	16.4480	4.0	3.2	115	10.4F	4.2	25	16	65	0.03	1.41	m	ke BUD_GT	15318813	iLoc			76

(GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)

Magnitude	Err	Nsta	Author	OrigID
M	1.8	6	BUD	15259539
MLv	1.8	0.4	6 BUD	15259539
ML	1.7	0.2	6 ILOC	15318813

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
KALN	0.03	169.6	Pg	01:35:09.100	-0.1					T__						15318815	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.03	169.6	Lg	01:35:10.760	-0.3					T__						15318816	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.26	269.0	Pg	01:35:12.320	-0.2					T__						15318817	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.26	269.0	Lg	01:35:16.100	-0.4					T__						15318818	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.32	334.6	AMB	01:35:18.860	-99.0					---		12.0	0.08			15318819	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.32	334.6	Pg	01:35:13.675	0.1					T__		352.4		_c	MLv	15318820	FDSN	SL	--	BUD	iLoc	BH	BHZ	_
KOGS	0.32	334.6	Lg	01:35:18.169	0.2					T__				---		15318821	FDSN	SL	--	BUD	iLoc	BHE	???	_
(Station ML : 1.7 1																								
BEHE	0.38	36.1	Pg	01:35:15.424	0.5					T__		45.4		_c	MLv	15318822	FDSN	HU	--	BUD	iLoc	BH	BHZ	_
BEHE	0.38	36.1	Lg	01:35:21.505	1.1					T__				---		15318823	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.0 0																								
PTJ	0.42	233.0	Pg	01:35:15.176	-0.2					T__		93.6		---	MLv	15318824	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.42	233.0	Lg	01:35:21.200	-0.1					T__				---		15318825	FDSN	CR	--	BUD	iLoc	BHN	???	_
(Station ML : 1.4 1																								
ZAG	0.46	224.1	Pg	01:35:16.501	0.3					T__		115.6		---	MLv	15318826	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.46	224.1	Lg	01:35:23.934	1.2					T__				---		15318827	FDSN	CR	--	BUD	iLoc	BHE	???	_
(Station ML : 1.7 1																								
A264A	0.58	89.8	Sn	01:35:30.407	0.4					T__				---		15318828	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MOSL	0.59	158.5	Pg	01:35:18.700	0.1					T__				---		15318829	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.59	158.5	Lg	01:35:26.190	-0.5					T__				---		15318830	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.68	269.4	Pg	01:35:19.940	-0.0					T__				---		15318831	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.68	269.4	AMB	01:35:32.090	-99.0					---		3.0	0.11	---		15318832	FDSN	IR	--	ISC	iLoc	???	???	_
GROS	0.72	295.0	Pn	01:35:21.720	-0.9					T__				---		15318833	FDSN	IR	--	ISC	iLoc	???	???	_
A021A	0.74	324.4	Sn	01:35:33.048	-0.3					T__				---		15318834	FDSN	Z3	00	BUD	iLoc	HHN	???	_

CRES	0.77	244.5	Pn	01:35:22.150	-1.1	T__	228.8	___	MLv	15318835	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.77	244.5	Lg	01:35:33.387	0.3	T__		---		15318836	FDSN	SL	--	BUD	iLoc	BHN	???	_
(Station ML : 2.3 1																		
A263A	0.77	51.0	Pg	01:35:20.487	-1.4	T__	269.9	___	MLv	15318837	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.4 0																		
OZLJ	0.88	231.8	Pn	01:35:24.500	-0.1	T__		---		15318838	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	1.15	93.0	Sn	01:35:42.452	-1.0	T__		---		15318839	FDSN	HU	--	BUD	iLoc	BHN	???	_
ARSA	1.26	330.1	Lg	01:35:47.130	-0.0	T__		---		15318840	FDSN	OE	--	BUD	iLoc	BHE	???	_
PLIT	1.41	204.6	Pg	01:35:34.060	1.4	T__		---		15318841	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/10/10	08:16:46.78	0.87	2.25	46.8497	17.3741	4.3	4.1	24	0.0S		20	11	81	0.19	1.68	m	kx	BUD	15318916	iLoc		102
2019/10/10	08:16:45.92f		1.94	46.8548	17.2699f				0.0S		22		78	0.13	1.62	a	kx	BUD_GT	15328647	BUD		98
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Várvölgy Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	2.4	0.1	6 BUD	15318916
ML	2.4	0.2	6 ILOC	15328647

Sta	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	08:16:51.222	2.1					T__		10563.6		___	MLv	15330587	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A261A	0.13	319.5	Lg	08:16:55.494	3.7					T__				---		15330588	FDSN	Z3	00	BUD	BUD	HHN	???	_
(Station ML : 2.7 0																								
TIH	0.43	83.7	Pg	08:16:52.534	-2.3					T__		1437.0		___	MLv	15330589	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
TIH	0.43	83.7	Lg	08:17:00.152	-1.6					T__				---		15330590	FDSN	HU	--	BUD	BUD	HHZ	???	_
(Station ML : 2.6 1																								
BEHE	0.51	221.7	Sn	08:17:12.400	2.4					T__				---		15330591	FDSN	IR	--	ISC	BUD	???	???	_
EGYH	0.56	4.3	Lg	08:17:06.889	0.5					T__				---		15330592	FDSN	HU	--	BUD	BUD	HHE	???	_
HU08A	0.73	37.5	Pg	08:17:00.780	0.0					T__		284.6		___	MLv	15330593	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU08A	0.73	37.5	Lg	08:17:13.238	0.6					T__				---		15330594	FDSN	ZJ	00	BUD	BUD	HHN	???	_
(Station ML : 2.4 1																								
KOGS	0.81	240.3	Pg	08:17:00.325	-1.7					T__		359.1		___	MLv	15330595	FDSN	SL	--	BUD	BUD	BHZ	BHZ	_
KOGS	0.81	240.3	Pn	08:17:05.000	1.2					T__		0.4		---		15330597	FDSN	IR	--	ISC	BUD	???	???	_
KOGS	0.81	240.3	Lg	08:17:10.440	-2.2					T__				---		15330596	FDSN	SL	--	BUD	BUD	BHN	???	_
KOGS	0.81	240.3	Sn	08:17:17.700	1.0					T__		0.4		---		15330598	FDSN	IR	--	ISC	BUD	???	???	_
(Station ML : 2.5 1																								
KOVH	0.96	142.9	Pg	08:17:04.684	-0.6					T__		69.2		___	MLv	15330599	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.96	142.9	Lg	08:17:17.722	-1.1					T__				---		15330600	FDSN	HU	--	BUD	BUD	BHE	???	_
KOVH	0.96	142.9	Lg	08:17:19.400	0.6					T__		0.1		---		15330601	FDSN	IR	--	ISC	BUD	???	???	_
(Station ML : 1.9 1																								
HU09A	1.09	43.6	Sn	08:17:24.539	0.5					T__				---		15330602	FDSN	ZJ	00	BUD	BUD	HHN	???	_
MORH	1.14	123.5	Pg	08:17:08.361	-0.4					T__		12.6		___	MLv	15330603	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	1.14	123.5	Sn	08:17:19.500	-5.3					T__		0.0		---		15330605	FDSN	IR	--	ISC	BUD	???	???	_
MORH	1.14	123.5	Sn	08:17:23.089	-1.7					T__				---		15330604	FDSN	HU	--	BUD	BUD	BHE	???	_
(Station ML : 1.2 0																								
CONA	1.44	318.8	Lg	08:17:35.120	2.3					T__				---		15330606	FDSN	OE	--	BUD	BUD	BHE	???	_
MODS	1.52	0.2	Sn	08:17:35.004	0.2					T__				---		15330607	FDSN	SK	--	BUD	BUD	HHE	???	_
CRES	1.62	231.3	Lg	08:17:39.282	-1.3					T__				---		15330608	FDSN	SL	--	BUD	BUD	BHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/10/10	08:44:31.22	1.03	0.64	46.1437	18.3026	10.9	3.7	158	0.0S	5	3	175	0.15	0.38	m	kx	BUD	15318869	iLoc			283
2019/10/10	08:44:31.27f		0.60	46.1765	18.2926f				0.0S	5		155	0.16	0.35	a	kx	BUD_GT	15328651	BUD			276

(GT info : GT2 explosion)
(description : known quarry blast)
(locality : Koml6-II Hungary)

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	236.7	Pg	08:44:35.150	0.0					T__		442.2		---	MLv	15330609	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.16	236.7	Lg	08:44:37.470	-0.8					T__				---		15330610	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.25	80.7	Pg	08:44:37.054	0.3					T__		46.3		---	MLv	15330611	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.25	80.7	Lg	08:44:40.517	-0.7					T__				---		15330612	FDSN	HU	--	BUD	BUD	BHN	???	_
A266A	0.35	356.8	Lg	08:44:45.517	0.8					T__				---		15330613	FDSN	Z3	00	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/10/10	09:12:57.52	2.03	0.37	48.5853	20.8125	17.1	4.2	7	0.0S	9	6	133	0.20	0.91	m	sx	BUD	15318884	iLoc			250

Magnitude	Err	Nsta	Author	OrigID
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ML	1.2	0.1	5 ILOC	15318884
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Sta	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	243.9	Pg	09:13:01.808	0.0					T__		152.5		---	MLv	15318886	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.20	243.9	Lg	09:13:05.503	0.4					T__				---		15318887	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 1.0 0)																								
KECS	0.24	244.9	Pg	09:13:02.354	-0.2					T__		406.5		---	MLv	15318888	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.24	244.9	Lg	09:13:06.460	0.1					T__				---		15318889	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.6 1)																								
ABAH	0.41	135.3	Pg	09:13:06.058	0.2					T__		60.9		---	MLv	15318890	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.41	135.3	Lg	09:13:12.325	-0.6					T__				---		15318891	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.2 1)																								
HU02A	0.50	202.6	Pg	09:13:08.122	0.0					T__		29.1		---	MLv	15318892	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.2 1)																								
STHS	0.88	18.7	Sn	09:13:31.298	-0.3					T__				---		15318893	FDSN	SK	--	BUD	iLoc	EHE	???	_
PSZ	0.91	222.9	Pn	09:13:16.168	-0.4					T__		39.9		---	MLv	15318894	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/10/10	09:27:14.06	1.67	1.12	47.3279	18.3626	12.6	7.0	99	0.0S	7	5	128	0.08	1.25	m	sx	BUD	15319006	iLoc			185

(description : suspected quarry blast)
(locality : Gánt Hungary)

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	297.1	Pg	09:27:16.463	0.2					T__		2844.2		---	MLv	15319008	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_

CSKK	0.08	297.1	Lg	09:27:18.427	-0.1				T__						15319009	FDSN	HU	--	BUD	iLoc	HHN	???	_
CSKK	0.08	297.0	Pg	09:27:16.600	0.3				T__	101.8					15319010	FDSN	IR	--	ISC	iLoc	???	???	_
HU09A	0.31	2.5	Lg	09:27:26.390	-0.1				T__						15319011	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
TIH	0.54	217.3	Sn	09:27:37.613	-1.1				T__						15319012	FDSN	HU	--	BUD	iLoc	HHZ	???	_
PSZ	1.19	59.7	Sn	09:27:53.707	-1.7				T__						15319013	FDSN	GE	--	BUD	iLoc	BHN	???	_
KOVH	1.25	188.4	Lg	09:27:58.173	0.8				T__						15319014	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/10/11 09:59:12.65 1.09 0.76 46.8116 17.3301 7.9 5.2 66 0.0S 14 10 89 0.17 1.63 m sx BUD 15318969 iLoc 164
 (description : suspected quarry blast)
 (locality : Várvölgy Hungary)

Magnitude Err Nsta Author OrigID
 ML 1.5 0.0 5 ILOC 15318969

Sta	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	0.17	183.5	Lg	09:59:20.183	0.3				T__							15318971	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A261A	0.19	318.5	Pg	09:59:16.894	-0.2				T__		1397.2			MLv		15318972	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.0 1																								
BEHE	0.51	228.4	Pg	09:59:22.801	-0.6				T__		59.4			MLv		15318973	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BEHE	0.51	228.4	Lg	09:59:31.774	1.1				T__							15318974	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.5 1																								
KOGS	0.83	244.4	Pn	09:59:30.014	-0.7				T__		333.6			MLv		15318975	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.83	244.4	Sn	09:59:42.881	-0.9				T__							15318976	FDSN	SL	--	BUD	iLoc	BHN	???	_
(Station ML : 2.5 0																								
CSKK	0.84	48.7	Sn	09:59:44.896	0.2				T__							15318977	FDSN	HU	--	BUD	iLoc	HHE	???	_
KOVH	0.90	143.4	Pn	09:59:31.855	0.5				T__		30.1			MLv		15318978	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.90	143.4	Sn	09:59:45.497	-0.1				T__							15318979	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.5 1																								
MORH	1.09	122.8	Pg	09:59:34.288	-0.1				T__		10.9			MLv		15318980	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.09	122.8	Sn	09:59:49.469	-0.6				T__							15318981	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.1 0																								
ARSA	1.31	290.2	Sn	09:59:55.450	0.1				T__							15318982	FDSN	OE	--	BUD	iLoc	BHN	???	_
CONA	1.50	318.8	Lg	10:00:01.763	0.3				T__							15318983	FDSN	OE	--	BUD	iLoc	BHE	???	_
CRES	1.63	233.5	Sn	10:00:05.271	1.6				T__							15318984	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
 2019/10/13 08:14:17.35 1.61 0.17 47.6458 20.3722 17.1 6.4 71 12.0A 5 3 260 0.02 0.08 m ke BUD 15319036 iLoc 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
TENKA	0.02	297.6	Pg	08:14:19.732	-0.1				T__		286.5			MLv		15319038	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.02	297.6	Lg	08:14:21.766	0.1				T__							15319039	FDSN	HU	--	BUD	iLoc	HHN	???	_
ATAN2	0.04	198.2	Pg	08:14:19.799	-0.1				T__		442.3			MLv		15319040	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN2	0.04	198.2	Lg	08:14:22.003	0.2				T__							15319041	FDSN	HU	--	BUD	iLoc	HHE	???	_
HU23A	0.08	265.4	Lg	08:14:22.685	0.0				T__							15319042	FDSN	ZJ	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
2019/10/14	07:12:13.37	1.08	1.01	47.5470	18.4460	8.5	3.6	102	0.0S	6	4	145	0.10	1.05	m	sx	BUD	15319020	iLoc			266
(description : suspected quarry blast)																						
(locality : Tatabánya Hungary)																						

Magnitude	Err	Nsta	Author	OrigID

Sta	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	334.9	Pg	07:12:16.355	0.4					T__		2484.5		---	MLv	15319022	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU09A	0.10	334.9	Lg	07:12:17.956	-0.5					T__				---		15319023	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
CSKK	0.22	214.5	Pg	07:12:18.945	0.6					T__		210.4		---	MLv	15319024	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.22	214.5	Lg	07:12:21.504	-1.3					T__				---		15319025	FDSN	HU	--	BUD	iLoc	HHN	???	_
HU10A	0.49	52.1	Lg	07:12:31.265	-0.6					T__				---		15319026	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
PSZ	1.05	68.7	Sn	07:12:51.833	0.6					T__				---		15319027	FDSN	GE	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/10/14	10:03:45.27	0.96	0.58	48.5330	20.7665	5.9	3.5	5	0.0S	15	9	86	0.16	1.32	m	sx	BUD	15319051	iLoc			171
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.2	6 ILOC	15319051

Sta	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	256.2	Pg	10:03:48.459	-0.2					T__		635.6		---	MLv	15319053	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.16	256.2	Lg	10:03:51.889	0.6					T__				---		15319054	FDSN	ZJ	--	BUD	iLoc	HHN	???	_
(Station ML : 1.5 1)																								
KECS	0.19	255.2	Pg	10:03:48.973	-0.4					T__		1573.7		---	MLv	15319055	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.19	255.2	Lg	10:03:52.956	0.4					T__				---		15319056	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 2.0 0)																								
ABAH	0.39	126.8	Pg	10:03:53.499	0.1					T__		76.7		---	MLv	15319057	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.39	126.8	Lg	10:03:59.626	-0.7					T__				---		15319058	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.3 1)																								
HU02A	0.44	201.5	Pg	10:03:54.283	-0.4					T__		43.2		---	MLv	15319059	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.44	201.5	Lg	10:04:02.746	0.9					T__				---		15319060	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.2 0)																								
PSZ	0.85	223.8	Pn	10:04:02.988	-0.5					T__		48.4		---	MLv	15319061	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.85	223.8	Lg	10:04:16.134	0.2					T__				---		15319062	FDSN	GE	--	BUD	iLoc	BHZ	???	_
(Station ML : 1.7 1)																								
NIE	0.94	341.6	Pn	10:04:05.116	0.3					T__		22.9		---	MLv	15319063	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.94	341.6	Lg	10:04:16.392	0.1					T__				---		15319064	FDSN	PL	--	BUD	iLoc	BHE	???	_
(Station ML : 1.4 1)																								
HOLU	1.08	89.7	Pg	10:04:05.906	0.1					T__				---		15319065	FDSN	UA	--	BUD	iLoc	MHZ	???	_
TRPA	1.25	108.2	Sn	10:04:26.594	-1.2					T__				---		15319066	FDSN	HU	--	BUD	iLoc	HHZ	???	_
STZU	1.32	67.8	Pn	10:04:10.108	-0.1					T__				---		15319067	FDSN	UA	--	BUD	iLoc	MHZ	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/10/14	10:05:26.44	0.99	0.37	47.8426	19.1737	8.6	3.5	172	0.0S	8	5	168	0.10	0.95	m	kx	BUD	15319093	iLoc			190
2019/10/14	10:05:26.57f		0.85	47.8355	19.1270f				0.0S	8		168	0.07	0.98	a	kx	BUD_GT	15328663	BUD			197

(GT info : GT2 explosion)
 (description : known quarry blast)
 (locality : Sejce-Vác Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.6	3 BUD	15319093
ML	1.4	0.0	3 ILOC	15328663

Sta	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	0.07	277.6	Pg	10:05:29.310	0.7					T__		1593.8		___	MLv	15330614	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU10A	0.07	277.6	Lg	10:05:30.852	0.4					T__				___		15330615	FDSN	ZJ	00	BUD	BUD	HHE	???	_
(Station ML : 1.7 1																								
A336A	0.41	347.9	Lg	10:05:41.409	-0.2					T__				___		15330616	FDSN	Z3	00	BUD	BUD	HH3	???	_
PSZ	0.52	80.6	Pg	10:05:37.417	-0.6					T__		49.4		___	MLv	15330617	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.52	80.6	Lg	10:05:44.757	-1.6					T__				___		15330618	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.4 1																								
HU09A	0.54	248.9	Lg	10:05:47.627	0.9					T__				___		15330619	FDSN	ZJ	00	BUD	BUD	HHE	???	_
HU02A	0.98	72.5	Pn	10:05:45.772	-0.8					T__		24.6		___	MLv	15330620	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.98	72.5	Lg	10:06:01.555	-0.8					T__				___		15330621	FDSN	ZJ	00	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/10/14	20:24:59.87	1.55	0.79	45.9049	16.1263	20.3	10.0	164	10.0F	10.3	6	4	181	0.11	1.78	m	ke	BUD	15319116	iLoc			251

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.2	3 ILOC	15319116

Sta	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	0.11	271.3	Pg	20:25:03.111	0.3					T__		335.8		___	MLv	15319118	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.11	271.3	Lg	20:25:04.392	-0.5					T__				___		15319119	FDSN	CR	--	BUD	iLoc	BHE	???	_
(Station ML : 1.1 1																								
CRES	0.47	260.7	Pg	20:25:09.655	0.4					T__		76.8		___	MLv	15319120	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.47	260.7	Lg	20:25:15.506	-0.8					T__				___		15319121	FDSN	SL	--	BUD	iLoc	BHE	???	_
(Station ML : 1.5 1																								
KOGS	0.55	9.0	Sn	20:25:23.019	0.0					T__				___		15319122	FDSN	SL	--	BUD	iLoc	BHE	???	_
MORH	1.78	79.0	Pg	20:25:33.094	-0.1					T__		7.4		___	MLv	15319123	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/10/15	09:42:24.84	2.33	1.48	47.8890	20.1065	28.5	3.8	163	0.0S	8	5	216	0.15	0.73	m	kx	BUD	15319137	iLoc				241
2019/10/15	09:42:24.93f		0.60	47.8987	20.0893f				0.0S	9		108	0.13	0.72	a	kx	BUD_GT	15328667	BUD				213

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.2	4 BUD	15319137

ML 1.8 0.1 4 ILOC 15328667

Sta	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	09:42:28.454	0.1					T__		1603.1		---	MLv	15330622	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_	
PSZ	0.13	278.6	Lg	09:42:31.333	-0.0					T__				---		15330623	FDSN	GE	--	BUD	BUD	BHZ	???	_	
(Station ML : 1.9 1																									
HU23A	0.28	157.3	Pn	09:42:35.532	-0.8					T__		665.3		---	MLv	15330624	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_	
(Station ML : 1.9 1																									
HU03A	0.33	271.1	Lg	09:42:38.210	0.7					T__				---		15330625	FDSN	ZJ	00	BUD	BUD	HHE	???	_	
HU02A	0.37	52.4	Pg	09:42:32.596	-0.4					T__		188.6		---	MLv	15330626	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_	
HU02A	0.37	52.4	Lg	09:42:39.505	0.3					T__				---		15330627	FDSN	ZJ	00	BUD	BUD	HHN	???	_	
(Station ML : 1.6 1																									
JOS	0.67	26.5	Pg	09:42:38.437	0.1					T__		77.1		---	MLv	15330628	FDSN	ZJ	--	BUD	BUD	HHZ	HHZ	_	
JOS	0.67	26.5	Lg	09:42:49.705	1.2					T__				---		15330629	FDSN	ZJ	--	BUD	BUD	HHN	???	_	
(Station ML : 1.8 1																									
HU10A	0.72	266.1	Lg	09:42:52.222	0.7					T__				---		15330630	FDSN	ZJ	00	BUD	BUD	HHE	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/10/15	09:42:50.02	0.94	0.61	47.9404	20.0840	5.7	3.5	151	0.0S		9	7	125	0.13	0.85	m	kx BUD	15319165	iLoc			226
2019/10/15	09:42:49.86f		0.98	47.8987	20.0893f				0.0S		9		121	0.13	0.87	a	kx BUD_GT	15328671	BUD			226
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Recsk Hungary)																						

Magnitude Err Nsta Author OrigID

Sta	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	09:42:53.592	0.3					T__		1604.7		---	MLv	15330631	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.13	278.6	Lg	09:42:55.462	-0.8					T__				---		15330632	FDSN	GE	--	BUD	BUD	BHN	???	_
HU23A	0.28	157.3	Lg	09:43:02.461	1.4					T__				---		15330633	FDSN	ZJ	00	BUD	BUD	HHN	???	_
ATAN2	0.34	147.8	Lg	09:43:05.078	2.0					T__				---		15330636	FDSN	HU	--	BUD	BUD	HHN	???	_
HU02A	0.37	52.4	Pg	09:42:57.176	-0.7					T__		188.0		---	MLv	15330634	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.37	52.4	Lg	09:43:04.226	0.1					T__				---		15330635	FDSN	ZJ	00	BUD	BUD	HHN	???	_
KECS	0.64	24.2	Lg	09:43:12.157	-0.5					T__				---		15330637	FDSN	SK	--	BUD	BUD	EHE	???	_
JOS	0.67	26.5	Lg	09:43:12.578	-0.9					T__				---		15330638	FDSN	ZJ	--	BUD	BUD	HHN	???	_
ABAH	0.87	62.3	Lg	09:43:20.346	-0.8					T__				---		15330639	FDSN	HU	--	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/10/15	09:45:58.47	1.99	0.28	48.3014	19.8616	15.1	4.7	121	0.0S		8	4	249	0.38	0.49	m	sx BUD	15319184	iLoc			314
(description : suspected quarry blast)																						
(locality : Velke-Dravce Slovakia)																						

Magnitude Err Nsta Author OrigID

ML 1.2 0.1 4 ILOC 15319184

Sta	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	176.7	Pg	09:46:06.993	0.0					T__		79.6		---	MLv	15319186	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.38	176.7	Lg	09:46:13.364	0.0					T__				---		15319187	FDSN	GE	--	BUD	iLoc	BHN	???	_

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(Station ML : 1.3 1
KECS 0.45 66.1 Pg 09:46:07.651 -0.0 T__ 125.6 ___ MLv 15319188 FDSN SK -- BUD iLoc EHN EHZ _
KECS 0.45 66.1 Lg 09:46:14.969 0.3 T__ ___ 15319189 FDSN SK -- BUD iLoc EHN ??? _
(Station ML : 1.7 1
HU02A 0.48 111.8 Pg 09:46:08.913 0.3 T__ 27.4 ___ MLv 15319190 FDSN ZJ 00 BUD iLoc HHZ HHZ _
HU02A 0.48 111.8 Lg 09:46:16.015 -0.4 T__ ___ 15319191 FDSN ZJ 00 BUD iLoc HHE ??? _
(Station ML : 1.1 1
JOS 0.49 66.4 Pg 09:46:08.138 -0.2 T__ 36.0 ___ MLv 15319192 FDSN ZJ -- BUD iLoc HHZ HHZ _
JOS 0.49 66.4 Lg 09:46:16.021 0.1 T__ ___ 15319193 FDSN ZJ -- 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
2019/10/16 07:05:53.19 1.65 1.50 47.3854 18.3137 14.8 5.4 129 0.0S 7 5 105 0.04 1.19 m sx BUD 15319211 iLoc 175
(description : suspected quarry blast)
(locality : Gánt Hungary)

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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 0.04 238.4 Pg 07:05:54.973 0.2 T__ 961.4 ___ MLv 15319213 FDSN HU -- BUD iLoc HHZ HHZ _
CSKK 0.04 238.4 Lg 07:05:56.358 -0.1 T__ ___ 15319214 FDSN HU -- BUD iLoc HHN ??? _
HU09A 0.26 10.4 Lg 07:06:03.913 0.2 T__ ___ 15319215 FDSN ZJ 00 BUD iLoc HHN ??? _
HU08A 0.27 280.0 Lg 07:06:03.637 -0.4 T__ ___ 15319216 FDSN ZJ 00 BUD iLoc HHE ??? _
MORH 1.19 168.9 Sn 07:06:31.880 -1.8 T__ ___ 15319217 FDSN HU -- BUD iLoc BHE ??? _
PSZ 1.19 62.9 Pn 07:06:15.296 -1.0 T__ 37.0 ___ MLv 15319218 FDSN GE -- BUD iLoc BHZ BHZ _
PSZ 1.19 62.9 Sn 07:06:32.538 -2.1 T__ ___ 15319219 FDSN GE -- BUD iLoc BHE ??? _

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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
2019/10/16 09:01:45.83 1.10 0.91 48.5153 20.7605 7.0 3.6 17 0.0S 12 7 142 0.15 1.06 m sx BUD 15319228 iLoc 219
(description : suspected quarry blast)
(locality : Dvorniky-Vcelare Slovakia)

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Magnitude Err Nsta Author OrigID
ML 1.4 0.2 7 ILOC 15319228
Sta 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 0.15 262.5 Pg 09:01:49.468 0.4 T__ 177.4 ___ MLv 15319230 FDSN ZJ -- BUD iLoc HHZ HHZ _
JOS 0.15 262.5 Lg 09:01:53.286 1.7 T__ ___ 15319231 FDSN ZJ -- BUD iLoc HHE ??? _
(Station ML : 1.0 1
KECS 0.19 260.2 Pg 09:01:50.094 0.3 T__ 491.0 ___ MLv 15319232 FDSN SK -- BUD iLoc EHZ EHZ _
KECS 0.19 260.2 Lg 09:01:52.470 -0.4 T__ ___ 15319233 FDSN SK -- BUD iLoc EHE ??? _
(Station ML : 1.5 1
ABAH 0.39 124.3 Pg 09:01:54.200 0.4 T__ 72.6 ___ MLv 15319234 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.39 124.3 Lg 09:02:00.951 0.3 T__ ___ 15319235 FDSN HU -- BUD iLoc HHN ??? _
(Station ML : 1.2 1
HU02A 0.42 201.9 Pg 09:01:53.764 -1.1 T__ 26.9 ___ MLv 15319236 FDSN ZJ 00 BUD iLoc HHZ HHZ _
HU02A 0.42 201.9 Lg 09:02:01.785 -0.1 T__ ___ 15319237 FDSN ZJ 00 BUD iLoc HHN ??? _
(Station ML : 0.9 0
PSZ 0.83 224.4 Pg 09:02:03.653 0.2 T__ 37.7 ___ MLv 15319238 FDSN GE -- BUD iLoc BHZ BHZ _

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LOT	1.82	146.0	Pn	10:00:23.430	1.2	T__									15319303	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.82	146.0	Sn	10:00:47.189	0.4	T__									15319304	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/10/16	10:11:05.28	1.16	0.98	48.3518	21.4635	13.0	4.8	165	0.0S		8	6	174	0.16	1.14	m	sx	BUD	15319326	iLoc		324
(description : suspected quarry blast)																						
(locality : Tallya Hungary)																						

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	0.16	249.6	Pg	10:11:09.252	0.3					T__		658.8		---	MLv	15319328	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.16	249.6	Lg	10:11:12.217	-0.0					T__				---		15319329	FDSN	HU	--	BUD	iLoc	HHN	???	_
JOS	0.63	283.5	Pg	10:11:18.144	0.2					T__		43.2		---	MLv	15319330	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.63	283.5	Lg	10:11:27.301	-0.3					T__				---		15319331	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
HOLU	0.64	73.7	Pg	10:11:17.818	0.1					T__				---		15319332	FDSN	UA	--	BUD	iLoc	MHZ	???	_
KECS	0.66	281.8	Lg	10:11:28.488	-0.2					T__				---		15319333	FDSN	SK	--	BUD	iLoc	EHN	???	_
HU02A	0.67	250.2	Lg	10:11:28.275	-1.5					T__				---		15319334	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
PSZ	1.14	248.2	Sn	10:11:43.791	-1.5					T__				---		15319335	FDSN	GE	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/10/16	10:38:53.11	1.10	1.04	48.3137	21.1156	11.4	3.8	5	0.0S		5	3	166	0.08	0.44	m	sx	BUD	15319344	iLoc		308
(description : suspected quarry blast)																						
(locality : Tallya Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.0	0.0	3 ILOC	15319344

Sta	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	0.08	102.0	Pg	10:38:55.319	-0.0					T__		701.2		---	MLv	15319346	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.08	102.0	Lg	10:38:57.327	-0.1					T__				---		15319347	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.4 1)																								
JOS	0.43	295.5	Pg	10:39:01.624	-0.1					T__		31.2		---	MLv	15319348	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.0 1)																								
HU02A	0.44	244.3	Pg	10:39:01.983	-0.5					T__		28.3		---	MLv	15319349	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.44	244.3	Lg	10:39:11.073	1.4					T__				---		15319350	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.0 1)																								
STZU	1.22	54.3	Pn	10:39:09.028	-7.6					---				---		15319351	FDSN	UA	--	BUD	iLoc	MHZ	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/10/16	18:12:23.24	1.74	0.14	47.6439	20.3791	17.7	6.7	76	12.0A		5	3	270	0.02	0.09	m	ke	BUD	15319365	iLoc		330

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
TENKA	0.02	296.3	Pg	18:12:25.639	-0.1					T__		240.3		---	MLv	15319367	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_

TENKA	0.02	296.3	Lg	18:12:27.688	0.1	T__									15319368	FDSN	HU	--	BUD	iLoc	HHN	???	_		
ATAN2	0.04	206.4	Pg	18:12:25.699	-0.1	T__				181.4					---	MLv	15319369	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN2	0.04	206.4	Lg	18:12:27.840	0.1	T__									---		15319370	FDSN	HU	--	BUD	iLoc	HHN	???	_
HU23A	0.09	266.8	Lg	18:12:28.655	0.0	T__									---		15319371	FDSN	ZJ	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
2019/10/17	08:36:41.69	1.03	0.47	46.1416	18.2993	11.0	3.7	158	0.0S	5	3	176		0.15	0.38	m	kx	BUD	15319380	iLoc		283
2019/10/17	08:36:41.75f		0.58	46.1765	18.2926f				0.0S	5		155		0.16	0.35	a	kx	BUD_GT	15328687	BUD		276

(GT info : GT2 explosion)
(description : known quarry blast)
(locality : Komló-II Hungary)

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	236.7	Pg	08:36:45.492	-0.1					T__		474.3			---	MLv	15330640	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.16	236.7	Lg	08:36:47.985	-0.7					T__					---		15330641	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.25	80.7	Pg	08:36:47.500	0.2					T__		61.9			---	MLv	15330642	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.25	80.7	Lg	08:36:51.240	-0.4					T__					---		15330643	FDSN	HU	--	BUD	BUD	BHN	???	_
A266A	0.35	356.8	Lg	08:36:56.110	1.0					T__					---		15330644	FDSN	Z3	00	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/10/17	11:31:56.80	2.39	0.76	47.9072	20.1482	31.2	4.3	160	0.0S	8	5	212		0.17	0.84	m	sx	BUD	15319395	iLoc		231

(description : suspected quarry blast)
(locality : Gyöngyöstarján Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.2	3 ILOC	15319395

Sta	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	273.8	Pg	11:32:01.271	0.2					T__		617.1			---	MLv	15319397	FDSN	GE	--	BUD	iLoc	BHN	BHZ	_
PSZ	0.17	273.8	Lg	11:32:04.085	-0.4					T__					---		15319398	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.6 1																									
HU02A	0.33	49.5	Pg	11:32:04.293	0.2					T__		85.6			---	MLv	15319399	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.33	49.5	Lg	11:32:09.349	-0.5					T__					---		15319400	FDSN	ZJ	00	BUD	iLoc	HHZ	???	_
(Station ML : 1.2 1																									
JOS	0.64	23.7	Pg	11:32:10.153	0.4					T__		35.8			---	MLv	15319401	FDSN	ZJ	--	BUD	iLoc	HHN	HHZ	_
JOS	0.64	23.7	Sn	11:32:23.355	-0.8					T__					---		15319402	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 1.4 1																									
ABAH	0.83	61.6	Sn	11:32:27.524	-1.1					T__					---		15319403	FDSN	HU	--	BUD	iLoc	HHE	???	_
A336A	0.84	293.4	Sn	11:32:28.519	-0.4					T__					---		15319404	FDSN	Z3	00	BUD	iLoc	HH3	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/10/18	08:43:18.84	1.45	0.93	48.5361	20.7735	10.6	3.7	10	0.0S	10	5	231		0.16	0.85	m	sx	BUD	15319418	iLoc		306

(description : suspected quarry blast)
(locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.2 0.1 5 ILOC 15319418

Sta	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	255.6	Pg	08:43:22.142	-0.2					T__		302.0		---	MLv	15319420	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.16	255.6	Lg	08:43:25.816	0.8					T__				---		15319421	FDSN	ZJ	--	BUD	iLoc	HHN	???	_
(Station ML : 1.2 1)																								
KECS	0.20	254.7	Pg	08:43:22.658	-0.4					T__		1531.8		---	MLv	15319422	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.20	254.7	Lg	08:43:26.387	0.1					T__				---		15319423	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 2.0 0)																								
ABAH	0.39	127.5	Pg	08:43:27.389	0.4					T__		62.7		---	MLv	15319424	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.39	127.5	Lg	08:43:32.005	-1.8					T__				---		15319425	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.2 1)																								
HU02A	0.45	201.9	Pg	08:43:28.299	-0.0					T__		31.4		---	MLv	15319426	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.45	201.9	Lg	08:43:35.628	0.0					T__				---		15319427	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.0 0)																								
PSZ	0.85	223.9	Pn	08:43:38.517	1.4					T__		37.8		---	MLv	15319428	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.85	223.9	Lg	08:43:49.787	0.1					T__				---		15319429	FDSN	GE	--	BUD	iLoc	BHZ	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/10/18 09:13:57.05 1.09 1.19 48.0527 19.6742 7.6 5.6 34 0.0S 8 5 120 0.16 0.73 m sx BUD 15319451 iLoc 213
 (description : suspected quarry blast)
 (locality : Kisnána Hungary)

Magnitude Err Nsta Author OrigID
 ML 1.4 0.2 3 ILOC 15319451

Sta	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	198.6	Lg	09:14:03.731	0.1					T__				---		15319453	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
PSZ	0.20	132.2	Pg	09:14:02.008	0.1					T__		251.5		---	MLv	15319454	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.20	132.2	Lg	09:14:05.300	-0.4					T__				---		15319455	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.3 1)																								
A336A	0.49	292.0	Lg	09:14:14.646	-0.2					T__				---		15319456	FDSN	Z3	00	BUD	iLoc	HH3	???	_
HU02A	0.57	82.7	Pg	09:14:09.600	0.4					T__		48.0		---	MLv	15319457	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.57	82.7	Sn	09:14:21.829	-1.4					T__				---		15319458	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.5 1)																								
JOS	0.73	52.1	Pn	09:14:12.493	-0.9					T__		29.3		---	MLv	15319459	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.73	52.1	Sn	09:14:24.517	-2.0					T__				---		15319460	FDSN	ZJ	--	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
 2019/10/18 09:59:42.50 1.06 0.91 47.5599 18.4413 8.2 3.7 100 0.0S 8 6 104 0.09 1.35 m sx BUD 15319474 iLoc 142
 (description : suspected quarry blast)
 (locality : Etyek Hungary)

Magnitude Err Nsta Author OrigID

Sta	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	333.2	Pg	09:59:45.104	0.3	T__	2401.9	---	MLv	15319476	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU09A	0.09	333.2	Lg	09:59:46.954	-0.1	T__		---		15319477	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
CSKK	0.23	212.0	Pg	09:59:48.204	0.5	T__	280.2	---	MLv	15319478	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.23	212.0	Lg	09:59:51.036	-1.2	T__		---		15319479	FDSN	HU	--	BUD	iLoc	HHN	???	_
HU10A	0.48	53.6	Lg	10:00:00.388	-0.4	T__		---		15319480	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
PSZ	1.04	69.4	Sn	10:00:20.311	-0.0	T__		---		15319481	FDSN	GE	--	BUD	iLoc	HHE	???	_
MODS	1.13	316.6	Sn	10:00:21.031	-1.3	T__		---		15319482	FDSN	SK	--	BUD	iLoc	HHE	???	_
MORH	1.35	174.0	Sn	10:00:26.370	-0.6	T__		---		15319483	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
2019/10/21	08:49:15.12	1.05	0.54	47.8444	19.1437	8.9	3.5	174	0.0S	7	4	189	0.08	0.97	m	kx	BUD	15319492	iLoc			264
2019/10/21	08:49:15.06f		0.42	47.8355	19.1270f				0.0S	7		197	0.07	0.98	a	kx	BUD_GT	15328699	BUD			267
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Sejce-Vác Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.2	4 BUD	15319492
ML	1.5	0.1	4 ILOC	15328699

Sta	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	0.07	277.6	Pg	08:49:17.492	0.4					T__		1049.6		---	MLv	15330645	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU10A	0.07	277.6	Lg	08:49:18.970	0.0					T__				---		15330646	FDSN	ZJ	00	BUD	BUD	HHZ	???	_
(Station ML : 1.5 1																								
A336A	0.41	347.9	Pg	08:49:23.538	0.0					T__		89.4		---	MLv	15330647	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 1.4 1																								
PSZ	0.52	80.6	Pg	08:49:26.083	-0.4					T__		38.9		---	MLv	15330648	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.52	80.6	Lg	08:49:34.288	-0.6					T__				---		15330649	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.3 1																								
HU02A	0.98	72.5	Pg	08:49:35.994	0.7					T__		35.5		---	MLv	15330650	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.98	72.5	Lg	08:49:50.510	-0.4					T__				---		15330651	FDSN	ZJ	00	BUD	BUD	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/10/21	08:52:01.54	1.98	0.80	48.6249	20.8395	14.8	6.2	6	0.0S	10	5	261	0.24	0.95	m	sx	BUD	15319518	iLoc				323
(description : suspected quarry blast)																							
(locality : Dvorniky-Vcelare Slovakia)																							

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.1	5 ILOC	15319518

Sta	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	237.3	Pg	08:52:07.163	0.7					T__		223.4		---	MLv	15319520	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.24	237.3	Lg	08:52:10.628	0.3					T__				---		15319521	FDSN	ZJ	--	BUD	iLoc	HHN	???	_
(Station ML : 1.3 1																								
KECS	0.27	239.0	Pg	08:52:07.566	0.4					T__		1157.5		---	MLv	15319522	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.27	239.0	Lg	08:52:11.159	-0.4					T__				---		15319523	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 2.1 0																								
ABAH	0.42	140.9	Pn	08:52:13.914	-1.0					T__		52.0		---	MLv	15319524	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_

ABAH	0.42	140.9	Lg	08:52:18.372	0.8	T__									15319525	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.2 0)																							
HU02A	0.55	202.7	Pg	08:52:13.466	0.5	T__					39.6		MLv		15319526	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.55	202.7	Lg	08:52:21.366	-0.3	T__									15319527	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.4 1)																							
PSZ	0.95	222.1	Pg	08:52:22.139	0.7	T__					53.4		MLv		15319528	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.95	222.1	Lg	08:52:34.521	-1.1	T__									15319529	FDSN	GE	--	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
2019/10/21	09:13:21.91	1.00	0.48	46.1446	18.3093	10.3	3.5	156	0.0S		6	4	163	0.16	0.41	m	kx	BUD	15319551	iLoc		241
2019/10/21	09:13:21.92f		0.56	46.1765	18.2926f				0.0S		6		151	0.16	0.42	a	kx	BUD_GT	15328705	BUD		235

(GT info : GT2 explosion)
(description : known quarry blast)
(locality : Komló-II Hungary)

Magnitude	Err	Nsta	Author	OrigID																				
Sta	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	236.7	Pg	09:13:25.946	0.1					T__		427.7			MLv	15330652	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.16	236.7	Lg	09:13:28.647	-0.2					T__						15330653	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.25	80.7	Pg	09:13:27.470	0.0					T__		42.0			MLv	15330654	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.25	80.7	Lg	09:13:31.624	-0.2					T__						15330655	FDSN	HU	--	BUD	BUD	BHN	???	_
A266A	0.35	356.8	Lg	09:13:36.144	0.8					T__						15330656	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A273A	0.42	232.1	Lg	09:13:35.789	-1.0					T__						15330657	FDSN	Z3	00	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/10/21	20:53:30.72	0.38	0.39	46.1463	21.7107	4.3	1.4	93	12.4F	3.6	12		159	0.12	1.11	a	ke	BUC	15280713	ISC		360
2019/10/21	20:53:30.43	1.20	0.57	46.1491	21.6584	10.0	4.3	102	11.9F	11.2	20		180	0.12	1.14	m	ke	BUD	15319599	iLoc		226

Magnitude	Err	Nsta	Author	OrigID
ml	0.9		BUC	15280713
ML	1.2	0.5	3 ILOC	15319599

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
SIRR	0.12	1.6	Pg	20:53:34.127	0.3					T__		45.4			MLv	15319601	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.12	1.6	Lg	20:53:36.119	-0.4					T__						15319602	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 0.3 1)																								
SURR	0.51	140.4	Pg	20:53:40.816	0.3					T__						15319603	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.51	140.4	Pg	20:53:40.816	0.3					T__						15319604	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.51	140.4	Lg	20:53:47.437	-0.1					T__						15319605	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.53	181.4	Pg	20:53:41.166	0.2					T__		24.8			MLv	15319606	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.53	181.4	Lg	20:53:47.794	-0.6					T__						15319607	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	0.53	183.1	Lg	20:53:48.125	-0.4					T__						15319608	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.2 1)																								
DRGR	0.97	48.2	Pg	20:53:49.625	-0.1					T__						15319609	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.97	48.2	Pg	20:53:49.625	-0.1					T__						15319610	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.97	48.2	Lg	20:54:01.833	-0.9					T__						15319611	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.97	48.2	Pg	20:53:50.275	0.6					T__		30.1			MLv	15319612	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_

DRGR	0.97	48.2	Lg	20:54:01.937	-0.8	T__	---	15319613	FDSN	RO	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.5 1																	
GZR	1.09	133.6	Pg	20:53:51.380	0.2	T__	---	15319614	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	1.09	133.6	Pg	20:53:51.380	0.2	T__	---	15319615	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	1.09	133.6	Lg	20:54:05.310	-0.4	T__	---	15319616	FDSN	RO	--	BUD	iLoc	BHN	???	_	
GZR	1.09	133.6	Sn	20:54:05.420	-0.9	T__	---	15319617	FDSN	IR	--	ISC	iLoc	???	???	_	
MARR	1.14	61.9	Pn	20:53:52.080	0.6	T__	---	15319618	FDSN	IR	--	ISC	iLoc	???	???	_	
MARR	1.14	61.9	Pn	20:53:52.080	0.6	T__	---	15319619	FDSN	IR	--	ISC	iLoc	???	???	_	
MARR	1.14	61.9	Sn	20:54:06.998	-0.8	T__	---	15319620	FDSN	IR	--	ISC	iLoc	???	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/10/22	09:03:58.71	2.23	0.72	47.9349	20.4184	19.9	4.4	141	0.0S	9	5	211	0.20	0.66	m	sx	BUD	15319567	iLoc			308
(description : suspected quarry blast)																						
(locality : Egerbakta Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.1	5 ILOC	15319567

Sta	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	20.9	Pg	09:04:03.565	0.2				T__			305.0		---	MLv	15319569	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.20	20.9	Lg	09:04:06.589	-0.7				T__					---		15319570	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 1.3 1																								
PSZ	0.35	267.5	Pg	09:04:07.166	0.5				T__		100.1			---	MLv	15319571	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.35	267.5	Lg	09:04:11.494	-1.2				T__					---		15319572	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.3 0																								
KECS	0.55	4.7	Pg	09:04:10.282	0.4				T__		89.6			---	MLv	15319573	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.55	4.7	Lg	09:04:18.453	0.1				T__					---		15319574	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.8 1																								
JOS	0.57	8.0	Pg	09:04:10.620	0.5				T__		75.2			---	MLv	15319575	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.57	8.0	Lg	09:04:18.542	-0.3				T__					---		15319576	FDSN	ZJ	--	BUD	iLoc	HHN	???	_
(Station ML : 1.7 1																								
ABAH	0.66	56.4	Pn	09:04:13.225	-0.7				T__		204.8			---	MLv	15319577	FDSN	HU	--	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
2019/10/22	09:47:51.96	1.20	0.78	48.2559	21.2525	8.5	5.2	143	0.0S	15	8	152	0.04	0.98	m	kx	BUD	15319634	iLoc			172
2019/10/22	09:47:51.93f	0.68	0.68	48.2470	21.2460f				0.0S	15		153	0.05	0.98	a	kx	BUD_GT	15328711	BUD			173
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Tallya Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.2	6 BUD	15319634
ML	2.0	0.1	6 ILOC	15328711

Sta	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	09:47:53.562	0.1				T__			8545.4		---	MLv	15330658	FDSN	HU	--	BUD	BUD	HHE	HHZ	_
ABAH	0.05	355.1	Lg	09:47:54.810	-0.3				T__					---		15330659	FDSN	HU	--	BUD	BUD	HHE	???	_
(Station ML : 2.4 0																								

HU02A	0.50	255.8	Pg	09:48:03.206	0.7	T__	90.3	---	MLv	15330660	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.50	255.8	Lg	09:48:10.284	-0.3	T__		---		15330661	FDSN	ZJ	00	BUD	BUD	HHN	???	_
(Station ML : 1.6 0																		
JOS	0.53	298.0	Pg	09:48:02.765	0.1	T__	146.5	---	MLv	15330662	FDSN	ZJ	--	BUD	BUD	HHZ	HHZ	_
JOS	0.53	298.0	Lg	09:48:10.846	-0.0	T__		---		15330663	FDSN	ZJ	--	BUD	BUD	HHZ	???	_
(Station ML : 2.0 1																		
KECS	0.56	295.3	Pg	09:48:03.437	0.2	T__	141.5	---	MLv	15330664	FDSN	SK	--	BUD	BUD	EHE	EHZ	_
KECS	0.56	295.3	Lg	09:48:11.530	-0.2	T__		---		15330665	FDSN	SK	--	BUD	BUD	EHN	???	_
(Station ML : 2.0 1																		
HOLU	0.81	69.3	Pn	09:48:09.367	-0.1	T__		---		15330666	FDSN	UA	--	BUD	BUD	MHZ	???	_
HOLU	0.81	69.3	Sn	09:48:22.612	-1.4	T__		---		15330667	FDSN	UA	--	BUD	BUD	MHZ	???	_
TRPA	0.87	97.2	Pn	09:48:09.962	-0.3	T__	54.3	---	MLv	15330668	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
TRPA	0.87	97.2	Lg	09:48:22.472	-0.9	T__		---		15330669	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 1.7 1																		
PSZ	0.96	250.6	Pg	09:48:12.854	0.6	T__	130.5	---	MLv	15330670	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.96	250.6	Lg	09:48:25.107	-1.6	T__		---		15330671	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 2.2 1																		
MUKU	0.98	77.3	Pn	09:48:12.616	0.7	T__		---		15330672	FDSN	UA	--	BUD	BUD	MHZ	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/10/22	10:13:24.95	0.21	0.41	46.0599	22.0611	1.9	1.5	92	11.3F	2.0	15	102	0.31	1.34	a	ke	BUC	15280742	ISC			360
2019/10/22	10:13:24.75	0.83	0.48	46.0734	22.0417	4.4	2.9	66	7.6F	10.4	33	9	94	0.32	1.36	m	ke	BUD	15319676	iLoc		180

Magnitude	Err	Nsta	Author	OrigID
m1	1.2		BUC	15280742
ML	1.6	0.4	4 ILOC	15319676

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
SURR	0.32	169.7	Pg	10:13:31.215	-0.0					T__						15319678	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.32	169.7	Pg	10:13:31.215	-0.0					T__						15319679	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.32	169.7	Lg	10:13:36.248	0.3					T__						15319680	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.33	306.2	Pg	10:13:31.450	-0.2					T__	49.0					15319681	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.33	306.2	Lg	10:13:36.976	0.0					T__						15319682	FDSN	RO	--	BUD	iLoc	BHE	???	_
SIRR	0.33	306.3	Pg	10:13:31.802	0.1					T__						15319683	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.33	306.3	Pg	10:13:31.802	0.1					T__	0.1					15319684	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.33	306.3	Lg	10:13:37.212	0.2					T__	0.1					15319685	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.33	306.3	Lg	10:13:37.212	0.2					T__						15319686	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 0.9 1																								
BZS	0.53	211.8	Pg	10:13:36.251	1.0					T__	48.1					15319687	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.53	211.8	Lg	10:13:43.083	0.1					T__						15319688	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	0.54	213.2	Pg	10:13:34.764	-0.7					T__						15319689	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.54	213.2	Pg	10:13:34.764	-0.7					T__						15319690	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.54	213.2	Lg	10:13:42.381	-0.9					T__						15319691	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.5 1																								
GZR	0.85	142.6	Pg	10:13:41.017	-0.1					T__	66.3					15319692	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	0.85	142.6	Pg	10:13:41.297	0.2					T__						15319693	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.85	142.6	Pg	10:13:41.297	0.2					T__						15319694	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.85	142.6	Lg	10:13:52.549	-0.6					T__						15319695	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.85	142.6	Lg	10:13:53.108	-0.0					T__						15319696	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 1.8 1																								
DRGR	0.85	32.6	Pg	10:13:41.417	-0.3					T__	103.7					15319697	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_

DRGR	0.85	32.6	Lg	10:13:53.058	-0.6	T__	---	15319698	FDSN	RO	--	BUD	iLoc	BHN	???	_	
(Station ML : 2.0 1																	
MARR	0.96	50.7	Pg	10:13:43.829	0.1	T__	---	15319699	FDSN	IR	--	ISC	iLoc	???	???	_	
MARR	0.96	50.7	Pg	10:13:43.829	0.1	T__	---	15319700	FDSN	IR	--	ISC	iLoc	???	???	_	
MARR	0.96	50.7	Lg	10:13:56.417	-0.7	T__	---	15319701	FDSN	IR	--	ISC	iLoc	???	???	_	
HERR	1.22	167.4	Pg	10:13:48.327	0.4	T__	---	15319702	FDSN	IR	--	ISC	iLoc	???	???	_	
HERR	1.22	167.4	Pg	10:13:48.327	0.4	T__	---	15319703	FDSN	IR	--	ISC	iLoc	???	???	_	
HERR	1.22	167.4	Sn	10:14:05.029	0.6	T__	---	15319704	FDSN	IR	--	ISC	iLoc	???	???	_	
MDVR	1.31	190.3	Pn	10:13:49.339	0.6	T__	---	15319705	FDSN	IR	--	ISC	iLoc	???	???	_	
MDVR	1.31	190.3	Pn	10:13:49.339	0.6	T__	---	15319706	FDSN	IR	--	ISC	iLoc	???	???	_	
MDVR	1.31	190.3	Sn	10:14:06.826	-0.1	T__	---	15319707	FDSN	IR	--	ISC	iLoc	???	???	_	
LOT	1.36	116.7	Sn	10:14:08.183	-0.6	T__	---	15319708	FDSN	IR	--	ISC	iLoc	???	???	_	
LOT	1.36	116.7	Sn	10:14:08.183	-0.6	T__	---	15319709	FDSN	IR	--	ISC	iLoc	???	???	_	
LOT	1.36	116.8	Sn	10:14:09.178	0.3	T__	---	15319710	FDSN	RO	--	BUD	iLoc	BHE	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/10/23	04:34:42.84	0.47	0.40	48.1825	19.0542	3.8	2.9	178	2.8	2.3	16	10	107	0.06	1.04	m	ke BUD	15260539	scolv@krszo			360
2019/10/23	04:34:41.71	0.87	0.95	48.1714	19.0538	4.8	3.2	178	11.5F	6.1	16	10	101	0.07	1.04	m	ke BUD_GT	15319730	iLoc		131	

(GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)

Magnitude	Err	Nsta	Author	OrigID
M	1.8	6	BUD	15260539
MLv	1.8 0.2	6	BUD	15260539
ML	1.8 0.1	6	ILOC	15319730

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
A336A	0.07	329.4	Pg	04:34:44.778	0.4					T__		723.6		---	MLv	15319732	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A336A	0.07	329.4	Lg	04:34:45.990	-0.5					T__				---		15319733	FDSN	Z3	00	BUD	iLoc	HH2	???	_
(Station ML : 1.4 0																								
HU10A	0.33	184.2	Lg	04:34:53.584	-0.7					T__				---		15319734	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
A338A	0.50	251.9	Pg	04:34:52.497	0.6					T__		168.3		---	MLv	15319735	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A338A	0.50	251.9	Lg	04:34:59.736	-0.3					T__				---		15319736	FDSN	Z3	00	BUD	iLoc	HH2	???	_
(Station ML : 1.9 1																								
A335A	0.55	300.2	Pg	04:34:53.229	0.2					T__		92.2		---	MLv	15319737	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A335A	0.55	300.2	Lg	04:35:00.287	-1.3					T__				---		15319738	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 1.8 1																								
SR0	0.61	234.5	Lg	04:35:03.530	-0.5					T__				---		15319739	FDSN	SK	--	BUD	iLoc	EHN	???	_
PSZ	0.62	113.9	Pg	04:34:55.152	0.2					T__		110.2		---	MLv	15319740	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.62	113.9	Lg	04:35:03.565	-0.7					T__				---		15319741	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.9 1																								
CSKK	0.97	213.8	Lg	04:35:15.510	-0.6					T__				---		15319742	FDSN	HU	--	BUD	iLoc	HHE	???	_
HU02A	0.99	92.3	Pn	04:35:02.303	2.0					T__		55.5		---	MLv	15319743	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.99	92.3	Lg	04:35:15.087	-1.0					T__				---		15319744	FDSN	ZJ	00	BUD	iLoc	HHZ	???	_
(Station ML : 1.8 1																								
KECS	1.01	71.4	Lg	04:35:15.648	-0.2					T__				---		15319745	FDSN	SK	--	BUD	iLoc	EHE	???	_
JOS	1.04	71.3	Pn	04:35:02.268	1.3					T__		120.6		---	MLv	15319746	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	1.04	71.3	Lg	04:35:16.625	-0.3					T__				---		15319747	FDSN	ZJ	--	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
2019/10/23	08:36:18.68	1.11	0.94	48.4221	22.6784	9.3	4.6	23	0.0S	10	8	148	0.03	1.47	m	sx	BUD	15319773	iLoc			183
(description : suspected quarry blast)																						
(locality : Ivanivtsi Ukraine)																						

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MUKU	0.03	10.8	Pg	08:36:19.248	-0.5					T__						15319775	FDSN	UA	--	BUD	iLoc	MHZ	???	_
HOLU	0.22	298.3	Pg	08:36:22.966	-0.4					T__						15319776	FDSN	UA	--	BUD	iLoc	MHZ	???	_
BRIU	0.24	110.1	Pg	08:36:23.427	-0.2					T__						15319777	FDSN	UA	--	BUD	iLoc	MHZ	???	_
STZU	0.60	356.5	Pg	08:36:29.941	-0.2					T__						15319778	FDSN	UA	--	BUD	iLoc	MHZ	???	_
STZU	0.60	356.5	Lg	08:36:40.632	1.1					T__						15319779	FDSN	UA	--	BUD	iLoc	MHZ	???	_
ABAH	0.97	263.0	Pn	08:36:40.415	1.9					T__	111.4			MLv	15319780	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ABAH	0.97	263.0	Lg	08:36:52.934	-0.1					T__						15319781	FDSN	HU	--	BUD	iLoc	HHN	???	_
STNU	1.24	75.9	Pn	08:36:43.504	0.3					T__						15319782	FDSN	UA	--	BUD	iLoc	MHZ	???	_
JOS	1.43	273.7	Sn	08:37:04.995	-0.8					T__						15319783	FDSN	ZJ	--	BUD	iLoc	HHN	???	_
HU02A	1.47	259.0	Pg	08:36:48.953	0.4					T__	57.9			MLv	15319784	FDSN	ZJ	00	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
2019/10/23	09:50:11.67	1.46	0.64	48.5516	20.7849	10.7	3.9	8	0.0S	11	6	127	0.17	0.92	m	sx	BUD	15319793	iLoc			238
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.3	6 ILOC	15319793

Sta	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	09:50:15.372	0.0					T__		315.8			MLv	15319795	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.17	251.2	Lg	09:50:19.039	0.8					T__						15319796	FDSN	ZJ	--	BUD	iLoc	HHN	???	_
(Station ML : 1.3 0)																								
KECS	0.21	251.1	Pg	09:50:15.900	-0.2					T__	1446.8			MLv	15319797	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_	
KECS	0.21	251.1	Lg	09:50:19.535	-0.0					T__						15319798	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 2.0 0)																								
ABAH	0.40	130.0	Pg	09:50:20.091	0.2					T__	105.5			MLv	15319799	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ABAH	0.40	130.0	Lg	09:50:26.301	-0.5					T__						15319800	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.4 1)																								
HU02A	0.46	202.1	Pg	09:50:21.335	-0.2					T__	86.3			MLv	15319801	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
HU02A	0.46	202.1	Lg	09:50:29.003	-0.0					T__						15319802	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.5 1)																								
PSZ	0.87	223.5	Pg	09:50:30.518	0.5					T__	96.9			MLv	15319803	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	0.87	223.5	Lg	09:50:42.829	-0.3					T__						15319804	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 2.0 1)																								
STHS	0.92	19.1	Pn	09:50:29.547	-1.4					T__	58.1			MLv	15319805	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/10/24	08:25:29.97	0.82	1.11	47.6691	18.5537	3.5	2.6	152	0.0S	27	13	76	0.12	1.57	m	sx	BUD	15319831	iLoc			105
(description : suspected quarry blast)																						

(locality : Tatabánya Hungary)

Magnitude Err Nsta Author OrigID
ML 2.0 0.2 7 ILOC 15319831

Sta	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	0.12	255.3	Pg	08:25:33.235	0.3					T__		3235.2		---	MLv	15319833	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_		
HU09A	0.12	255.3	Lg	08:25:35.719	0.1					T__				---		15319834	FDSN	ZJ	00	BUD	iLoc	HHZ	???	_		
(Station ML : 2.1 1																										
SR0	0.22	311.7	Pg	08:25:35.154	0.4					T__		5002.1		---	MLv	15319835	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_		
SR0	0.22	311.7	Lg	08:25:38.270	-0.7					T__				---		15319836	FDSN	SK	--	BUD	iLoc	EHE	???	_		
SR0	0.22	311.7	Pg	08:25:35.300	0.5					T__		5.0		---		15319837	FDSN	IR	--	ISC	iLoc	???	???	_		
SR0	0.22	311.7	Lg	08:25:38.600	-0.4					T__		5.0		---		15319838	FDSN	IR	--	ISC	iLoc	???	???	_		
(Station ML : 2.6 0																										
HU10A	0.36	60.5	Pg	08:25:38.473	0.8					T__		195.8		---	MLv	15319839	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_		
HU10A	0.36	60.5	Lg	08:25:44.525	0.6					T__				---		15319840	FDSN	ZJ	00	BUD	iLoc	HHN	???	_		
(Station ML : 1.6 1																										
CSKK	0.36	213.1	Pg	08:25:38.047	0.4					T__		301.6		---	MLv	15319841	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
CSKK	0.36	213.1	Lg	08:25:41.836	-2.4					T__				---		15319842	FDSN	HU	--	BUD	iLoc	HHN	???	_		
CSKK	0.37	213.1	Pg	08:25:38.700	1.0					T__		10.8		---		15319843	FDSN	IR	--	ISC	iLoc	???	???	_		
CSKK	0.37	213.1	Lg	08:25:45.400	1.2					T__		10.8		---		15319844	FDSN	IR	--	ISC	iLoc	???	???	_		
(Station ML : 1.8 1																										
BUD	0.37	120.1	Lg	08:25:43.810	-0.6					T__				---		15319845	FDSN	HU	--	BUD	iLoc	BHN	???	_		
HU08A	0.49	241.1	Lg	08:25:48.658	0.4					T__				---		15319846	FDSN	ZJ	00	BUD	iLoc	HHE	???	_		
A336A	0.64	27.8	Lg	08:25:52.224	-0.9					T__				---		15319847	FDSN	Z3	00	BUD	iLoc	HH2	???	_		
PSZ	0.94	74.1	Pg	08:25:50.353	0.5					T__		92.6		---	MLv	15319848	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	0.94	74.1	Sn	08:26:04.167	-1.1					T__				---		15319849	FDSN	GE	--	BUD	iLoc	BHN	???	_		
PSZ	0.94	74.1	Lg	08:26:03.200	-0.8					T__		0.1		---		15319850	FDSN	IR	--	ISC	iLoc	???	???	_		
(Station ML : 2.0 1																										
ZST	1.11	298.9	Sn	08:26:07.339	-1.7					T__				---		15319851	FDSN	SK	--	BUD	iLoc	HHE	???	_		
ZST	1.11	298.9	Sn	08:26:07.600	-1.4					T__				---		15319852	FDSN	IR	--	ISC	iLoc	???	???	_		
MODS	1.11	309.9	Pn	08:25:51.773	-0.3					T__				---		15319853	FDSN	SK	--	BUD	iLoc	HHZ	???	_		
MODS	1.11	309.9	Sn	08:26:06.729	-2.7					T__				---		15319854	FDSN	SK	--	BUD	iLoc	HHE	???	_		
HU02A	1.40	70.4	Pg	08:25:57.920	-0.7					T__		65.0		---	MLv	15319855	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_		
(Station ML : 2.1 1																										
MORH	1.46	177.5	Pg	08:25:57.714	-1.0					T__		15.7		---	MLv	15319856	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_		
MORH	1.46	177.5	Sn	08:26:16.791	-0.3					T__				---		15319857	FDSN	HU	--	BUD	iLoc	BHN	???	_		
MORH	1.46	177.5	Sn	08:26:16.600	-0.5					T__		0.0		---		15319858	FDSN	IR	--	ISC	iLoc	???	???	_		
(Station ML : 1.5 0																										
JOS	1.57	57.4	Sn	08:26:21.254	1.3					T__				---		15319859	FDSN	ZJ	--	BUD	iLoc	HHN	???	_		

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2019/10/24 08:49:40.52 1.57 1.53 48.5725 20.8429 12.0 5.9 11 0.0S 9 5 179 0.22 1.26 m sx BUD 15319895 iLoc 246

Magnitude Err Nsta Author OrigID
ML 1.7 0.1 4 ILOC 15319895

Sta	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	249.3	Pg	08:49:45.301	0.3					T__		667.7		---	MLv	15319897	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_		
JOS	0.22	249.3	Lg	08:49:48.865	0.3					T__				---		15319898	FDSN	ZJ	--	BUD	iLoc	HHN	???	_		
(Station ML : 1.7 1																										

ABAH	0.38	136.2	Pn	08:49:51.780	-1.5	T__	165.4	___	MLv	15319899	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.38	136.2	Lg	08:49:56.588	1.5	T__		---		15319900	FDSN	HU	--	BUD	iLoc	HHE	???	_
				(Station ML : 1.6 1														
HU02A	0.50	205.3	Pg	08:49:51.286	0.3	T__	94.1	___	MLv	15319901	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.50	205.3	Lg	08:49:58.448	-0.6	T__		---		15319902	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
				(Station ML : 1.7 1														
PSZ	0.91	224.4	Pg	08:50:00.561	0.9	T__	109.7	___	MLv	15319903	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.91	224.4	Lg	08:50:13.752	0.4	T__		---		15319904	FDSN	GE	--	BUD	iLoc	BHE	???	_
				(Station ML : 2.0 1														
STZU	1.26	68.7	Pn	08:50:07.488	2.9	T__		---		15319905	FDSN	UA	--	BUD	iLoc	MHZ	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/10/24	11:06:27.83	4.31	0.41	46.9375	22.8156	32.7	20.0	150	0.0S		6	4	285	0.16	1.63	m	sx	BUD	15319923	iLoc		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
DRGR	0.16	206.2	Pg	11:06:31.464	0.0					T__		396.5		---	MLv	15319925	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.16	206.2	Lg	11:06:34.478	-0.0					T__				---		15319926	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	1.04	230.2	Lg	11:07:03.384	-0.3					T__				---		15319927	FDSN	RO	--	BUD	iLoc	BHN	???	_
GZR	1.54	181.0	Pg	11:06:57.073	-0.0					T__		69.1		---	MLv	15319928	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.54	181.0	Sn	11:07:18.040	0.3					T__				---		15319929	FDSN	RO	--	BUD	iLoc	BHN	???	_
LOT	1.63	155.7	Sn	11:07:19.927	-0.6					T__				---		15319930	FDSN	RO	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/10/24	14:30:40.32	1.48	0.31	47.1325	19.3715	61.5	6.6	116	0.0S		5	3	184	0.79	1.04	m	kx	BUD	15319939	iLoc			281

(description : known quarry blast)
(locality : Dabas Hungary)

Magnitude Err Nsta Author OrigID

Sta	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	0.79	287.4	Sn	14:31:11.390	-0.0					T__				---		15319941	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	0.86	24.1	Pn	14:30:59.133	0.4					T__		95.5		---	MLv	15319942	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.86	24.1	Lg	14:31:11.944	-0.0					T__				---		15319943	FDSN	GE	--	BUD	iLoc	BHE	???	_
MORH	1.04	208.9	Pg	14:31:01.557	-0.1					T__		20.2		---	MLv	15319944	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.04	208.9	Lg	14:31:16.514	0.1					T__				---		15319945	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/10/24	22:45:41.10	1.33	0.14	47.6273	20.3706	15.2	6.8	94	12.0A		5	3	243	0.02	0.08	m	ke	BUD	15319998	iLoc			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
ATAN2	0.02	213.5	Pg	22:45:43.468	-0.1					T__		184.7		---	MLv	15320000	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN2	0.02	213.5	Lg	22:45:45.561	0.1					T__				---		15320001	FDSN	HU	--	BUD	iLoc	HHE	???	_

TENKA	0.03	330.5	Pg	22:45:43.536	-0.1	T__	243.5	---	MLv	15320002	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.03	330.5	Lg	22:45:45.587	0.1	T__		---		15320003	FDSN	HU	--	BUD	iLoc	HHN	???	_
HU23A	0.08	278.2	Lg	22:45:46.425	0.0	T__		---		15320004	FDSN	ZJ	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
2019/10/25	09:07:47.58	0.77	0.54	47.3560	18.7458				0.0F	0.0	7	215		0.23	1.42	a	kx	KRSZO	15280815	ISC		360
2019/10/25	09:07:45.90	1.03	0.97	47.3909	18.7670	7.4	2.9	164	0.0S		15	7	203	0.20	1.40	m	sx	BUD	15319954	iLoc		212

(description : suspected quarry blast)

(locality : Etyek Hungary)

Magnitude	Err	Nsta	Author	OrigID
M	2.4		KRSZO	15280815
MLv	2.4		KRSZO	15280815
ML	2.0	0.1	6 ILOC	15319954

Sta	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	0.20	61.9	Pg	09:07:51.008	0.5					T__		348.0		---	MLv	15319956	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BUD	0.20	61.9	Lg	09:07:54.968	0.5					T__				---		15319957	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.4 0)																								
CSKK	0.35	265.6	Pg	09:07:53.719	0.5					T__		636.3		---	MLv	15319958	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.35	265.6	Lg	09:07:58.354	-1.2					T__				---		15319959	FDSN	HU	--	BUD	iLoc	HHN	???	_
CSKK	0.35	265.6	Lg	09:07:59.300	-0.3					T__		22.8		---		15319960	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.1 1)																								
HU09A	0.36	313.7	Pg	09:07:54.721	1.2					T__		454.9		---	MLv	15319961	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU09A	0.36	313.7	Lg	09:07:59.163	-0.8					T__				---		15319962	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 2.0 1)																								
HU10A	0.49	20.4	Pg	09:07:56.330	0.1					T__		168.8		---	MLv	15319963	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU10A	0.49	20.4	Lg	09:08:03.582	-0.8					T__				---		15319964	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.9 1)																								
HU08A	0.57	274.4	Pg	09:07:58.650	1.0					T__		168.0		---	MLv	15319965	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU08A	0.57	274.4	Lg	09:08:05.725	-1.4					T__				---		15319966	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 2.0 1)																								
PSZ	0.93	54.9	Pg	09:08:06.059	0.5					T__		126.7		---	MLv	15319967	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.93	54.9	Lg	09:08:18.902	-0.8					T__				---		15319968	FDSN	GE	--	BUD	iLoc	BHN	???	_
PSZ	0.93	54.9	Pn	09:08:03.700	-1.6					T__		0.1		---		15319969	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.1 0)																								
MODS	1.40	315.0	Sn	09:08:32.151	-0.4					T__				---		15319970	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
2019/10/25	09:36:37.31	1.61	2.04	47.2594	18.3990	5.4	4.9	144	0.0A		6	147		0.14	1.21	a	ke	KRSZO	15280825	ISC		360
2019/10/25	09:36:37.58	1.40	1.00	47.2496	18.3586	11.9	6.7	74	0.0S		7	5	132	0.13	1.24	m	sx	BUD	15320013	iLoc		245

(description : suspected quarry blast)

(locality : Iszkaszentgyörgy Hungary)

Magnitude	Err	Nsta	Author	OrigID

Sta	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	329.6	Pg	09:36:40.834	-0.0					T__		1020.1		---		15320015	FDSN	IR	--	ISC	iLoc	???	???	_

CSKK	0.13	329.6	Pg	09:36:40.597	-0.3	T__	285.0	---	MLv	15320016	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.13	329.6	Lg	09:36:42.981	-1.0	T__		---		15320017	FDSN	HU	--	BUD	iLoc	HHN	???	_
HU08A	0.35	301.7	Lg	09:36:52.045	0.9	T__		---		15320018	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
HU09A	0.39	2.4	Lg	09:36:53.415	0.7	T__		---		15320019	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
MORH	1.05	169.1	Lg	09:37:13.795	-0.1	T__		---		15320020	FDSN	HU	--	BUD	iLoc	BHE	???	_
PSZ	1.24	56.7	Sn	09:37:21.342	1.3	T__		---		15320021	FDSN	GE	--	BUD	iLoc	BHE	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/10/25 12:40:29.52 1.00 2.10 47.9193 20.1210 6.6 3.7 151 0.0S 8 5 113 0.15 0.64 m sx BUD 15320179 iLoc 220
 (description : suspected quarry blast)
 (locality : Kiszána Hungary)

Magnitude Err Nsta Author OrigID
 ML 1.3 0.0 3 ILOC 15320179

Sta	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	269.7	Pg	12:40:32.769	-0.6					T__		373.9		---	MLv	15320181	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	0.15	269.7	Lg	12:40:36.283	-0.3					T__				---		15320182	FDSN	GE	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.3 1																										
HU23A	0.29	162.8	Lg	12:40:43.266	2.1					T__				---		15320183	FDSN	ZJ	00	BUD	iLoc	HHN	???	_		
HU02A	0.34	53.0	Pg	12:40:35.495	-1.5					T__		120.2		---	MLv	15320184	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_		
HU02A	0.34	53.0	Lg	12:40:40.677	-2.1					T__				---		15320185	FDSN	ZJ	00	BUD	iLoc	HHE	???	_		
(Station ML : 1.3 1																										
KECS	0.61	23.2	Lg	12:40:53.329	2.0					T__				---		15320186	FDSN	SK	--	BUD	iLoc	EHN	???	_		
JOS	0.64	25.6	Pg	12:40:43.594	1.2					T__		110.9		---	MLv	15320187	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_		
JOS	0.64	25.6	Lg	12:40:54.406	2.2					T__				---		15320188	FDSN	ZJ	--	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
 2019/10/26 02:08:58.80 0.10 0.25 47.7643 16.1751 1.1 1.0 80 15.4F 0.9 27 74 0.10 1.57 a ke IPEC 15280830 ISC 360
 2019/10/26 02:08:59.27 0.14 1.43 47.7643 16.1488 0.8 0.7 157 9.1F 1.7 37 2 0.12 2.02 a ke VIE 15280833 ISC 360
 2019/10/26 02:08:59.20 0.71 0.82 47.7886 16.1588 2.7 2.6 83 10.6F 5.2 67 29 35 0.13 2.04 m ke BUD 15320027 iLoc 53

Magnitude Err Nsta Author OrigID
 ML 1.9 IPEC 15280830
 mb 1.6 VIE 15280833
 ml 1.9 VIE 15280833
 ML 2.1 0.1 16 ILOC 15320027

Sta	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	133.7	Pg	02:09:02.238	-0.4					T__		6.1	0.10	---		15320029	FDSN	IR	--	ISC	iLoc	???	???	_		
RONA	0.13	133.7	Lg	02:09:04.289	-0.8					T__		152.2	0.10	---		15320030	FDSN	IR	--	ISC	iLoc	???	???	_		
A004A	0.24	42.5	Pg	02:09:05.048	0.7					T__		431.0		---	MLv	15320031	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
A004A	0.24	42.5	Lg	02:09:09.969	2.1					T__				---		15320032	FDSN	Z3	00	BUD	iLoc	HHZ	???	_		
(Station ML : 1.6 0																										
CONA	0.24	305.0	Pg	02:09:04.482	-0.1					T__		145.3		---	MLv	15320033	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_		
CONA	0.24	305.0	Lg	02:09:07.954	-0.4					T__				---		15320034	FDSN	OE	--	BUD	iLoc	BHE	???	_		
CONA	0.24	305.0	Lg	02:09:08.105	-0.2					T__		6.6	0.16	---		15320035	FDSN	IR	--	ISC	iLoc	???	???	_		
(Station ML : 1.1 0																										

SOP	0.29	111.2	Pg	02:09:05.099	-0.3	T__	113.4	---	MLv	15320036	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
SOP	0.29	111.2	Lg	02:09:08.867	-0.7	T__		---		15320037	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.2 0																		
A011B	0.40	199.7	Pg	02:09:06.934	-0.5	T__	179.6	---	MLv	15320038	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A011B	0.40	199.7	Lg	02:09:12.173	-0.6	T__		---		15320039	FDSN	Z3	00	BUD	iLoc	HH3	???	_
(Station ML : 1.7 1																		
A013A	0.58	298.8	Pg	02:09:10.681	0.2	T__	164.7	---	MLv	15320040	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A013A	0.58	298.8	Lg	02:09:19.019	0.9	T__		---		15320041	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 2.0 1																		
A005B	0.58	3.0	Pg	02:09:11.427	0.7	T__	387.0	---	MLv	15320042	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A005B	0.58	3.0	Lg	02:09:19.809	0.7	T__		---		15320043	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 2.4 0																		
A003A	0.60	92.5	Pg	02:09:11.407	-0.0	T__	159.1	---	MLv	15320044	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A003A	0.60	92.5	Lg	02:09:20.316	0.2	T__		---		15320045	FDSN	Z3	00	BUD	iLoc	HH2	???	_
(Station ML : 2.0 1																		
A008A	0.67	329.9	Pg	02:09:12.306	0.1	T__	195.4	---	MLv	15320046	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A008A	0.67	329.9	Lg	02:09:20.935	-0.5	T__		---		15320047	FDSN	Z3	00	BUD	iLoc	HH3	???	_
(Station ML : 2.2 1																		
ARSA	0.69	218.9	Pg	02:09:12.084	-0.6	T__	1.8	0.10	---	15320048	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.69	218.9	Lg	02:09:21.219	-0.2	T__	9.7	0.24	---	15320049	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.69	218.9	Pg	02:09:11.875	-0.8	T__	130.9	---	MLv	15320050	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
ARSA	0.69	218.9	Lg	02:09:21.441	-0.0	T__		---		15320051	FDSN	OE	--	BUD	iLoc	BHN	???	_
(Station ML : 2.0 1																		
A010A	0.72	184.3	Pg	02:09:13.577	0.2	T__	138.1	---	MLv	15320052	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A010A	0.72	184.3	Lg	02:09:23.384	1.0	T__		---		15320053	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 2.0 1																		
ZST	0.75	56.9	Pg	02:09:13.746	-0.6	T__		---		15320054	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.75	56.9	Lg	02:09:24.134	-1.4	T__		---		15320055	FDSN	SK	--	BUD	iLoc	HHN	???	_
A019A	0.80	245.1	Pg	02:09:14.664	-0.3	T__	130.9	---	MLv	15320056	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A019A	0.80	245.1	Lg	02:09:26.104	0.8	T__		---		15320057	FDSN	Z3	00	BUD	iLoc	HH2	???	_
(Station ML : 2.1 1																		
MODS	0.95	51.6	Pn	02:09:17.530	-0.4	T__		---		15320058	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.95	51.6	Sn	02:09:31.236	-0.8	T__		---		15320059	FDSN	SK	--	BUD	iLoc	HHN	???	_
A006A	0.96	354.5	Pg	02:09:17.416	-0.4	T__	150.3	---	MLv	15320060	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A006A	0.96	354.5	Lg	02:09:30.174	-1.0	T__		---		15320061	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 2.2 1																		
A262A	0.96	164.7	Pn	02:09:18.772	0.9	T__	178.1	---	MLv	15320062	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A262A	0.96	164.7	Sn	02:09:32.077	0.8	T__		---		15320063	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 2.3 0																		
A001A	0.98	16.9	Pn	02:09:18.677	0.3	T__	155.5	---	MLv	15320064	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A001A	0.98	16.9	Sn	02:09:31.824	-0.8	T__		---		15320065	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
(Station ML : 2.2 1																		
A007A	1.02	335.8	Pg	02:09:18.325	-0.4	T__	109.4	---	MLv	15320066	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A007A	1.02	335.8	Lg	02:09:31.622	-1.3	T__		---		15320067	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 2.1 1																		
HU08A	1.25	106.0	Lg	02:09:41.936	0.9	T__		---		15320068	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
MOA	1.28	273.4	Pg	02:09:23.595	0.1	T__	0.3	0.12	---	15320069	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	1.28	273.4	Lg	02:09:40.903	0.5	T__	1.6	0.16	---	15320070	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.28	7.0	Pn	02:09:22.800	0.3	T__		---		15320071	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.28	7.0	Sn	02:09:39.900	0.2	T__	14.6	0.34	---	15320072	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.28	7.0	Sn	02:09:39.900	0.2	T__		---		15320073	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.28	7.0	Pn	02:09:22.656	0.1	T__		---		15320074	FDSN	CZ	--	BUD	iLoc	BHN	???	_
KRUC	1.28	7.0	Sn	02:09:39.782	0.1	T__		---		15320075	FDSN	CZ	--	BUD	iLoc	BHN	???	_

KOGS	1.34	177.3	Pg	02:09:25.864	1.2	T__	366.3	---	MLv	15320076	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	1.34	177.3	Lg	02:09:42.951	0.8	T__		---		15320077	FDSN	SL	--	BUD	iLoc	BHE	???	_
(Station ML : 2.8 0)																		
SOKA	1.35	215.0	Pn	02:09:23.879	-0.0	T__	1.4	0.38	---	15320078	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	1.35	215.0	Sn	02:09:40.525	-1.0	T__	0.9	0.30	---	15320079	FDSN	IR	--	ISC	iLoc	???	???	_
STAC	1.37	335.6	Pn	02:09:24.500	0.7	T__			---	15320080	FDSN	IR	--	ISC	iLoc	???	???	_
STAC	1.37	335.6	Sn	02:09:42.500	0.6	T__	6.8	0.23	---	15320081	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.55	10.6	Pn	02:09:26.100	-0.1	T__			---	15320082	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.55	10.6	Pg	02:09:26.200	-2.3	T__			---	15320083	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.55	10.6	Sn	02:09:46.600	0.4	T__	5.4	0.19	---	15320084	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.55	10.6	Sn	02:09:46.600	0.4	T__			---	15320085	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.55	10.6	Pn	02:09:26.429	0.2	T__			---	15320086	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.55	10.6	Sn	02:09:45.998	-0.2	T__			---	15320087	FDSN	CZ	--	BUD	iLoc	BHE	???	_
TREC	1.57	343.8	Pn	02:09:27.786	1.1	T__			---	15320088	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
TREC	1.57	343.8	Sn	02:09:48.384	1.8	T__			---	15320089	FDSN	CZ	--	BUD	iLoc	BHN	???	_
OBKA	1.69	221.2	Pg	02:09:29.917	-0.3	T__	0.4	0.18	---	15320090	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.69	221.2	Lg	02:09:53.932	0.9	T__	0.8	0.40	---	15320091	FDSN	IR	--	ISC	iLoc	???	???	_
BIOA	1.70	267.7	Pg	02:09:30.942	-0.5	T__	0.2	0.08	---	15320092	FDSN	IR	--	ISC	iLoc	???	???	_
BIOA	1.70	267.7	Lg	02:09:53.559	0.1	T__	2.0	0.22	---	15320093	FDSN	IR	--	ISC	iLoc	???	???	_
KBA	2.04	250.6	Pg	02:09:37.241	-0.0	T__	0.6	0.30	---	15320094	FDSN	IR	--	ISC	iLoc	???	???	_
KBA	2.04	250.6	Lg	02:10:02.238	-2.2	T__	0.2	0.22	---	15320095	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/10/26	07:06:16.93	0.29	1.53	48.4329	18.6367	2.5	1.2	28	0.0F	0.0	10	2	1.73	1.92	a	sx	VIE	15280903	ISC			360
2019/10/26	07:06:15.22	0.78	0.81	48.4110	18.6412	4.6	2.6	40	0.0S		29	15	101	0.21	1.92	m	sx	BUD	15326845	iLoc		118
(description : suspected quarry blast)																						
(locality : Táallya Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
m1	1.8		VIE	15280903
ML	2.1	0.3	6 ILOC	15326845

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
A335A	0.21	280.1	Pg	07:06:20.245	0.5					T__		1097.3		---	MLv	15326847	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A335A	0.21	280.1	Lg	07:06:23.383	0.1					T__				---		15326848	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 1.9 1)																								
A336A	0.30	126.5	Pg	07:06:22.330	0.9					T__		556.7		---	MLv	15326849	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A336A	0.30	126.5	Lg	07:06:26.862	0.6					T__				---		15326850	FDSN	Z3	00	BUD	iLoc	HH2	???	_
(Station ML : 1.9 1)																								
A332A	0.41	343.5	Pg	07:06:24.244	0.6					T__		219.9		---	MLv	15326851	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A332A	0.41	343.5	Lg	07:06:30.187	0.6					T__				---		15326852	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 1.8 0)																								
A338A	0.44	206.1	Lg	07:06:31.848	0.1					T__				---		15326853	FDSN	Z3	00	BUD	iLoc	HH2	???	_
HU10A	0.62	155.8	Lg	07:06:36.222	-1.8					T__				---		15326854	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
JAVC	0.78	305.2	Pn	07:06:33.668	0.6					T__				---		15326855	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.78	305.2	Lg	07:06:43.221	-0.3					T__				---		15326856	FDSN	CZ	--	BUD	iLoc	BHE	???	_
JAVC	0.78	305.2	Pg	07:06:30.800	-0.5					T__				---		15326857	FDSN	IR	--	ISC	iLoc	???	???	_
MODS	0.91	268.1	Pn	07:06:35.134	0.5					T__				---		15326858	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.91	268.1	Lg	07:06:46.769	-0.9					T__				---		15326859	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	0.97	120.0	Pn	07:06:35.417	0.0					T__		191.2		---	MLv	15326860	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.97	120.0	Lg	07:06:47.940	-2.3					T__				---		15326861	FDSN	GE	--	BUD	iLoc	BHE	???	_

(Station ML : 2.3 0)																		
ZST	1.05	258.8	Lg	07:06:51.966	0.0	T__				15326862	FDSN	SK	--	BUD	iLoc	HHN	???	_
JOS	1.27	85.5	Pg	07:06:40.988	0.8	T__	126.5		MLv	15326863	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	1.27	85.5	Sn	07:06:57.788	-0.4	T__				15326864	FDSN	ZJ	--	BUD	iLoc	HHN	???	_
(Station ML : 2.3 1)																		
HU02A	1.29	102.2	Pn	07:06:40.060	0.4	T__	106.4		MLv	15326865	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.29	102.2	Pg	07:06:41.322	-0.2	T__				15326866	FDSN	ZJ	00	BUD	iLoc	HHZ	???	_
HU02A	1.29	102.2	Sn	07:06:58.455	-0.6	T__				15326867	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 2.2 1)																		
MORC	1.55	332.6	Pg	07:06:44.895	-0.3	T__				15326868	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MORC	1.55	332.6	Lg	07:07:04.129	-1.3	T__				15326869	FDSN	CZ	--	BUD	iLoc	BHE	???	_
MORC	1.55	332.6	Pn	07:06:43.000	-0.5	T__				15326870	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.62	304.4	Pn	07:06:43.600	-0.9	T__				15326871	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.73	246.5	Pg	07:06:49.374	-0.1	T__	0.8	0.28	---	15326872	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.73	246.5	Lg	07:07:11.942	0.5	T__	0.6	0.18	---	15326873	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.92	256.5	Pn	07:06:49.312	0.5	T__	0.7	0.42	---	15326874	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.92	256.5	Sn	07:07:14.603	0.1	T__	1.1	0.32	---	15326875	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/10/27	01:57:53.96	3.63	2.03	45.7463	18.0186	26.2	8.8	161	4.4F	22.6	10	7	169	0.22	1.79	m	ke BUD	15320277	iLoc			230

Magnitude	Err	Nsta	Author	OrigID
ML	1.1	0.3	3 ILOC	15320277

Sta	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	320.3	Pg	01:57:58.654	-0.0					T__		211.6		---	MLv	15320279	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A273A	0.22	320.3	Lg	01:58:01.890	-0.0					T__				---		15320280	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 1.2 1)																								
KOVH	0.35	9.4	Pg	01:58:01.439	0.3					T__		36.4		---	MLv	15320281	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.35	9.4	Lg	01:58:05.975	-0.2					T__				---		15320282	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 0.8 1)																								
MORH	0.64	42.7	Pn	01:58:07.048	-1.1					T__		15.7		---	MLv	15320283	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	0.64	42.7	Sn	01:58:16.534	-2.6					T__				---		15320284	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.1 1)																								
A266A	0.80	12.3	Sn	01:58:23.892	0.8					T__				---		15320285	FDSN	Z3	00	BUD	iLoc	HHN	???	_
BLY	1.13	212.0	Sn	01:58:31.837	0.5					T__				---		15320286	FDSN	MN	--	BUD	iLoc	BHE	???	_
KOGS	1.42	300.3	Sn	01:58:40.216	2.4					T__				---		15320287	FDSN	SL	--	BUD	iLoc	BHN	???	_
CRES	1.79	273.5	Sn	01:58:50.706	3.2					T__				---		15320288	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		
2019/10/27	17:36:41.68	1.66	0.16	47.6398	20.3798	17.2	6.7	81	12.0A		5	3	266	0.03	0.09	m	ke BUD	15320262	iLoc					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
TENKA	0.03	304.0	Pg	17:36:44.079	-0.1					T__		124.5		---	MLv	15320264	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.03	304.0	Lg	17:36:46.168	0.1					T__				---		15320265	FDSN	HU	--	BUD	iLoc	HHN	???	_
ATAN2	0.03	210.4	Pg	17:36:44.108	-0.1					T__		210.0		---	MLv	15320266	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_

ATAN2	0.03	210.4	Lg	17:36:46.263	0.2	T__								15320267	FDSN	HU	--	BUD	iLoc	HHN	???	_
HU23A	0.09	269.5	Lg	17:36:47.109	0.0	T__								15320268	FDSN	ZJ	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
2019/10/28	08:13:06.04	0.36	0.92	47.3527	18.3332	4.4	3.5	116	0.0A	0.0	9	8	108	0.05	1.28	m	sx	BUD	15261161	scolv@krszo		360
2019/10/28	08:13:03.75	1.34	0.97	47.3629	18.3478	10.0	5.2	140	0.0S		9	8	108	0.06	1.29	m	sx	BUD_GT	15320302	iLoc		127

(GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)
 (description : suspected quarry blast)
 (locality : Gánt Hungary)

Magnitude	Err	Nsta	Author	OrigID	
M	2.2	1	BUD	15261161	
MLv	2.2	0.0	1	BUD	15261161

Sta	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	270.3	Pg	08:13:05.872	0.2					T__		5212.2			MLv	15320304	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.06	270.3	Lg	08:13:07.041	-0.6					T__						15320305	FDSN	HU	--	BUD	iLoc	HHZ	???	_
HU09A	0.28	4.8	Lg	08:13:15.044	0.1					T__						15320306	FDSN	ZJ	00	BUD	iLoc	HHZ	???	_
HU10A	0.66	43.0	Lg	08:13:28.104	-0.3					T__						15320307	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
A336A	0.98	26.5	Sn	08:13:39.082	-0.4					T__						15320308	FDSN	Z3	00	BUD	iLoc	HH2	???	_
MORH	1.17	169.8	Sn	08:13:42.572	-1.0					T__						15320309	FDSN	HU	--	BUD	iLoc	HHN	???	_
ZST	1.18	315.2	Sn	08:13:44.079	-0.5					T__						15320310	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	1.18	61.4	Sn	08:13:43.016	-1.9					T__						15320311	FDSN	GE	--	BUD	iLoc	HHE	???	_
KOVH	1.29	187.7	Lg	08:13:48.217	0.1					T__						15320312	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
2019/10/28	08:57:54.77	1.00	1.35	48.7416	20.8014	5.8	4.4	104	0.0S		13	7	123	0.30	1.02	m	sx	BUD	15320317	iLoc		173

Magnitude	Err	Nsta	Author	OrigID	
ML	1.6	0.1	5	ILOC	15320317

Sta	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	0.30	215.5	Pg	08:58:01.725	0.8					T__		292.3			MLv	15320319	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.30	215.5	Lg	08:58:05.749	0.1					T__						15320320	FDSN	ZJ	--	BUD	iLoc	HHZ	???	_
(Station ML : 1.6 1																								
KECS	0.33	219.1	Pg	08:58:02.228	0.7					T__		1157.3			MLv	15320321	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.33	219.1	Lg	08:58:06.622	-0.1					T__						15320322	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 2.3 0																								
ABAH	0.53	146.7	Pg	08:58:06.397	0.9					T__		58.6			MLv	15320323	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.53	146.7	Lg	08:58:14.362	-0.2					T__						15320324	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.5 1																								
HU02A	0.65	196.6	Pg	08:58:07.722	-0.5					T__		34.5			MLv	15320325	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.65	196.6	Lg	08:58:15.318	-3.1					T__						15320326	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.4 0																								
STHS	0.74	23.1	Lg	08:58:17.669	-1.7					T__						15320327	FDSN	SK	--	BUD	iLoc	EHE	???	_
NIE	0.75	334.8	Lg	08:58:18.764	-0.9					T__						15320328	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	0.75	334.2	Lg	08:58:20.000	0.2					T__						15320329	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	1.02	216.6	Pn	08:58:16.876	1.4					T__		52.2			MLv	15320330	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_

PSZ 1.02 216.6 Lg 08:58:30.273 -1.1 T__ --- 15320331 FDSN GE -- 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
2019/10/28 10:12:08.72 0.31 0.42 45.9889 21.0321 2.1 1.9 2 12.8F 1.7 17 136 0.28 1.67 a ke BUC 15280926 ISC 360
2019/10/28 10:12:08.71 1.44 0.71 46.0142 21.0496 8.0 5.4 110 1.2F 9.3 37 10 137 0.30 2.06 m ke BUD 15327213 iLoc 142

Magnitude Err Nsta Author OrigID
ml 1.8 BUC 15280926
ML 1.8 0.2 6 ILOC 15327213

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
TIM 0.30 156.6 Pg 10:12:14.623 -0.2 T__ --- 15327215 FDSN IR -- ISC iLoc ??? ??? _
TIM 0.30 156.6 Pg 10:12:14.623 -0.2 T__ 0.4 --- 15327216 FDSN IR -- ISC iLoc ??? ??? _
SIRR 0.49 59.3 Pg 10:12:18.726 -0.1 T__ 101.3 --- MLv 15327217 FDSN RO -- BUD iLoc BHZ BHZ _
SIRR 0.49 59.3 Lg 10:12:26.286 -0.2 T__ --- 15327218 FDSN RO -- BUD iLoc BHN ??? _
(Station ML : 1.7 1
BZS 0.56 134.9 Pg 10:12:19.832 0.1 T__ --- 15327219 FDSN IR -- ISC iLoc ??? ??? _
BZS 0.56 134.9 Pg 10:12:19.832 0.1 T__ 0.1 --- 15327220 FDSN IR -- ISC iLoc ??? ??? _
BZS 0.56 134.9 Lg 10:12:27.950 0.3 T__ 0.1 --- 15327221 FDSN IR -- ISC iLoc ??? ??? _
BZS 0.56 134.9 Lg 10:12:27.950 0.3 T__ --- 15327222 FDSN IR -- ISC iLoc ??? ??? _
BZS 0.57 133.6 Pg 10:12:19.620 -0.3 T__ 84.8 --- MLv 15327223 FDSN RO -- BUD iLoc BHZ BHZ _
BZS 0.57 133.6 Lg 10:12:28.330 0.3 T__ --- 15327224 FDSN RO -- BUD iLoc BHN ??? _
(Station ML : 1.7 1
SURR 0.79 108.7 Pg 10:12:24.434 0.4 T__ --- 15327225 FDSN IR -- ISC iLoc ??? ??? _
SURR 0.79 108.7 Pg 10:12:24.434 0.4 T__ 0.1 --- 15327226 FDSN IR -- ISC iLoc ??? ??? _
SURR 0.79 108.7 Lg 10:12:34.768 -0.4 T__ 0.1 --- 15327227 FDSN IR -- ISC iLoc ??? ??? _
SURR 0.79 108.7 Lg 10:12:34.768 -0.4 T__ --- 15327228 FDSN IR -- ISC iLoc ??? ??? _
GZR 1.36 116.5 Pn 10:12:34.187 0.1 T__ 72.7 --- MLv 15327229 FDSN RO -- BUD iLoc BHZ BHZ _
GZR 1.36 116.5 Pg 10:12:34.309 -0.2 T__ --- 15327230 FDSN IR -- ISC iLoc ??? ??? _
GZR 1.36 116.5 Pg 10:12:34.309 -0.2 T__ 0.1 --- 15327231 FDSN IR -- ISC iLoc ??? ??? _
GZR 1.36 116.5 Sn 10:12:51.553 -1.6 T__ 0.1 --- 15327232 FDSN IR -- ISC iLoc ??? ??? _
GZR 1.36 116.5 Sn 10:12:51.553 -1.6 T__ --- 15327233 FDSN IR -- ISC iLoc ??? ??? _
GZR 1.36 116.5 Sn 10:12:52.939 -0.2 T__ --- 15327234 FDSN RO -- BUD iLoc BHE ??? _
(Station ML : 2.1 1
DRGR 1.39 55.3 Pn 10:12:34.846 0.6 T__ --- 15327235 FDSN IR -- ISC iLoc ??? ??? _
DRGR 1.39 55.3 Pn 10:12:34.846 0.6 T__ --- 15327236 FDSN IR -- ISC iLoc ??? ??? _
DRGR 1.39 55.3 Pn 10:12:35.003 0.8 T__ 47.2 --- MLv 15327237 FDSN RO -- BUD iLoc BHZ BHZ _
DRGR 1.39 55.3 Sn 10:12:54.032 0.2 T__ --- 15327238 FDSN RO -- BUD iLoc BHN ??? _
(Station ML : 1.9 1
HERR 1.49 139.2 Pn 10:12:35.544 -0.0 T__ --- 15327239 FDSN IR -- ISC iLoc ??? ??? _
HERR 1.49 139.2 Pn 10:12:35.544 -0.0 T__ --- 15327240 FDSN IR -- ISC iLoc ??? ??? _
HERR 1.49 139.2 Sn 10:12:54.842 -0.9 T__ --- 15327241 FDSN IR -- ISC iLoc ??? ??? _
MARR 1.58 64.5 Pn 10:12:36.726 -0.3 T__ --- 15327242 FDSN IR -- ISC iLoc ??? ??? _
MARR 1.58 64.5 Pn 10:12:36.726 -0.3 T__ --- 15327243 FDSN IR -- ISC iLoc ??? ??? _
MARR 1.58 64.5 Sn 10:12:57.965 -0.7 T__ --- 15327244 FDSN IR -- ISC iLoc ??? ??? _
MORH 1.69 277.7 Pn 10:12:37.805 -0.0 T__ 13.2 --- MLv 15327245 FDSN HU -- BUD iLoc BHZ BHZ _
MORH 1.69 277.7 Pg 10:12:41.405 0.0 T__ --- 15327246 FDSN HU -- BUD iLoc BHZ ??? _
MORH 1.69 277.7 Sn 10:12:59.071 -1.2 T__ --- 15327247 FDSN HU -- BUD iLoc BHE ??? _
MORH 1.69 277.7 Pn 10:12:37.615 -0.2 T__ --- 15327248 FDSN IR -- ISC iLoc ??? ??? _
MORH 1.69 277.7 Pn 10:12:37.615 -0.2 T__ --- 15327249 FDSN IR -- ISC iLoc ??? ??? _
MORH 1.69 277.7 Sn 10:12:59.329 -1.0 T__ --- 15327250 FDSN IR -- ISC iLoc ??? ??? _

(Station ML : 1.6 0
 KOVH 2.06 273.1 Pn 10:12:45.236 2.1 T__ 41.4 ___ MLv 15327251 FDSN HU -- BUD iLoc BHZ BHZ _

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/10/29 10:08:07.96 1.21 0.68 48.6880 19.9320 6.7 5.2 147 0.0S 10 7 144 0.42 1.13 m sx BUD 15320430 iLoc 196

Magnitude Err Nsta Author OrigID
 ML 1.5 0.4 3 ILOC 15320430

Sta	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	118.9	Pg	10:08:16.502	0.0					T__		108.8		___	MLv	15320432	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_		
KECS	0.42	118.9	Lg	10:08:22.812	-0.1					T__				___		15320433	FDSN	SK	--	BUD	iLoc	EHE	???	_		
(Station ML : 1.5 1																										
JOS	0.45	115.4	Pg	10:08:16.920	0.0					T__		44.6		___	MLv	15320434	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_		
JOS	0.45	115.4	Lg	10:08:23.342	-0.4					T__				___		15320435	FDSN	ZJ	--	BUD	iLoc	HHZ	???	_		
(Station ML : 1.2 1																										
HU02A	0.69	144.9	Lg	10:08:34.164	1.1					T__				___		15320436	FDSN	ZJ	00	BUD	iLoc	HHN	???	_		
A336A	0.77	234.1	Lg	10:08:35.387	0.1					T__				___		15320437	FDSN	Z3	00	BUD	iLoc	HH2	???	_		
PSZ	0.77	181.9	Pg	10:08:24.237	-0.0					T__		66.4		___	MLv	15320438	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	0.77	181.9	Lg	10:08:35.433	-0.5					T__				___		15320439	FDSN	GE	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.8 1																										
NIE	0.77	18.8	Lg	10:08:33.703	0.1					T__				___		15320440	FDSN	PL	--	BUD	iLoc	BHE	???	_		
STHS	1.13	49.3	Sn	10:08:46.884	-1.3					T__				___		15320441	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
 2019/10/29 11:12:23.79 1.42 0.56 48.5567 20.7824 10.7 3.9 8 0.0S 13 7 110 0.17 1.06 m sx BUD 15320455 iLoc 201

(description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.5 0.2 6 ILOC 15320455

Sta	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	249.5	Pg	11:12:27.444	-0.0					T__		392.3		___	MLv	15320457	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_		
JOS	0.17	249.5	Lg	11:12:30.651	0.3					T__				___		15320458	FDSN	ZJ	--	BUD	iLoc	HHE	???	_		
(Station ML : 1.4 1																										
KECS	0.21	249.7	Pg	11:12:27.900	-0.3					T__		0.8		___		15320459	FDSN	IR	--	ISC	iLoc	???	???	_		
KECS	0.21	249.7	Pg	11:12:28.028	-0.2					T__		834.2		___	MLv	15320460	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_		
KECS	0.21	249.7	Lg	11:12:32.327	0.7					T__				___		15320461	FDSN	SK	--	BUD	iLoc	EHE	???	_		
(Station ML : 1.8 0																										
ABAH	0.40	130.4	Pg	11:12:31.954	-0.1					T__		87.6		___	MLv	15320462	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
ABAH	0.40	130.4	Lg	11:12:39.488	0.5					T__				___		15320463	FDSN	HU	--	BUD	iLoc	HHE	???	_		
(Station ML : 1.4 0																										
HU02A	0.47	201.6	Pg	11:12:33.604	-0.1					T__		57.6		___	MLv	15320464	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_		
HU02A	0.47	201.6	Lg	11:12:41.216	-0.1					T__				___		15320465	FDSN	ZJ	00	BUD	iLoc	HHE	???	_		
(Station ML : 1.4 1																										
PSZ	0.87	223.2	Pn	11:12:41.211	-1.2					T__		42.5		___	MLv	15320466	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	0.87	223.2	Lg	11:12:55.444	0.2					T__				___		15320467	FDSN	GE	--	BUD	iLoc	BHE	???	_		

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(Station ML : 1.6 1
NIE 0.92 340.5 Pn 11:12:43.782 0.7 T__ 39.4 ___ MLv 15320468 FDSN PL -- BUD iLoc BHZ BHZ _
(Station ML : 1.6 1
HOLU 1.06 91.0 Pn 11:12:44.289 -0.6 T__ ___ 15320469 FDSN UA -- BUD iLoc MHZ ??? _

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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
2019/10/30 03:14:21.86 2.55 0.10 47.6451 20.2381 34.3 16.2 64 12.0A 5 3 314 0.01 0.09 m ke BUD 15320546 iLoc 343

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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
HU23A 0.01 128.3 Lg 03:14:26.100 -0.1 T__ 15320548 FDSN ZJ 00 BUD iLoc HHN ??? _
TENKA 0.07 82.9 Pg 03:14:24.804 0.0 T__ 115.6 ___ MLv 15320549 FDSN HU -- BUD iLoc HHZ HHZ _
TENKA 0.07 82.9 Lg 03:14:26.835 -0.1 T__ 15320550 FDSN HU -- BUD iLoc HHN ??? _
ATAN2 0.09 112.3 Pg 03:14:24.947 0.0 T__ 140.2 ___ MLv 15320551 FDSN HU -- BUD iLoc HHZ HHZ _
ATAN2 0.09 112.3 Lg 03:14:27.208 0.0 T__ 15320552 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
2019/10/30 10:31:01.08 1.17 1.30 47.7104 18.5484 4.4 3.8 170 0.0A 11 133 0.19 1.50 a kx KRSZO 15281004 ISC 360
2019/10/30 10:31:00.79 0.78 0.99 47.7010 18.5040 3.8 2.7 148 0.0S 18 11 116 0.10 1.49 m sx BUD 15320496 iLoc 129

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(description : suspected quarry blast)

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(locality : Bersekbánya-II Hungary)

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Magnitude Err Nsta Author OrigID
ML 2.1 KRSZO 15281004
ML 1.8 0.3 7 ILOC 15320496

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Sta 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 0.10 232.8 Pg 10:31:03.763 0.4 T__ 2676.2 ___ MLv 15320498 FDSN ZJ 00 BUD iLoc HHZ HHZ _
HU09A 0.10 232.8 Lg 10:31:05.733 -0.1 T__ 15320499 FDSN ZJ 00 BUD iLoc HHZ ??? _
(Station ML : 2.0 1
SR0 0.17 311.2 Pg 10:31:05.442 0.7 T__ 3292.9 ___ MLv 15320500 FDSN SK -- BUD iLoc EHZ EHZ _
SR0 0.17 311.2 Lg 10:31:08.419 0.3 T__ 15320501 FDSN SK -- BUD iLoc EHE ??? _
(Station ML : 2.3 0
HU10A 0.38 67.2 Pg 10:31:09.873 1.0 T__ 138.3 ___ MLv 15320502 FDSN ZJ 00 BUD iLoc HHZ HHZ _
HU10A 0.38 67.2 Lg 10:31:15.346 0.1 T__ 15320503 FDSN ZJ 00 BUD iLoc HHN ??? _
(Station ML : 1.5 1
CSKK 0.38 206.1 Pg 10:31:09.353 0.6 T__ 166.7 ___ MLv 15320504 FDSN HU -- BUD iLoc HHZ HHZ _
CSKK 0.38 206.1 Lg 10:31:15.061 -0.4 T__ 15320505 FDSN HU -- BUD iLoc HHE ??? _
CSKK 0.38 206.1 Pg 10:31:09.463 0.8 T__ 596.6 ___ 15320506 FDSN IR -- ISC iLoc ??? ??? _
(Station ML : 1.6 1
HU08A 0.48 235.7 Pn 10:31:14.060 -0.8 T__ 218.5 ___ MLv 15320507 FDSN ZJ 00 BUD iLoc HHN HHZ _
HU08A 0.48 235.7 Lg 10:31:19.317 0.7 T__ 15320508 FDSN ZJ 00 BUD iLoc HHN ??? _
(Station ML : 2.0 1
EGYH 0.84 250.7 Sn 10:31:32.007 -1.0 T__ 15320509 FDSN HU -- BUD iLoc HHN ??? _
PSZ 0.96 76.4 Pg 10:31:21.396 0.3 T__ 56.5 ___ MLv 15320510 FDSN GE -- BUD iLoc BHZ BHZ _
PSZ 0.96 76.4 Lg 10:31:34.908 -0.8 T__ 15320511 FDSN GE -- BUD iLoc BHE ??? _
(Station ML : 1.8 1

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MODS	1.06	309.7	Lg	10:31:36.972	-1.6	T__								15320512	FDSN	SK	--	BUD	iLoc	HHN	???	_
ZST	1.06	298.3	Lg	10:31:37.809	-0.4	T__								15320513	FDSN	SK	--	BUD	iLoc	HHN	???	_
HU02A	1.42	72.0	Lg	10:31:49.212	-2.3	T__								15320514	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
MORH	1.49	176.2	Pn	10:31:28.496	1.0	T__				12.2				15320515	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/10/30	12:18:20.60	1.38	0.59	48.2459	21.2280	9.3	4.2	139	0.0S		11	7	153	0.05	0.95	m	sx	BUD	15320561	iLoc		180

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.2	4 ILOC	15320561

Sta	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	8.8	Pg	12:18:22.357	0.1					T__		20910.7			MLv	15320563	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ABAH	0.05	8.8	Lg	12:18:23.748	-0.1					T__						15320564	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 2.8 1																									
HU02A	0.49	255.5	Pg	12:18:31.259	0.3					T__		85.3			MLv	15320565	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
HU02A	0.49	255.5	Lg	12:18:38.494	-0.4					T__						15320566	FDSN	ZJ	00	BUD	iLoc	HHN	???	_	
(Station ML : 1.6 1																									
JOS	0.52	298.7	Pg	12:18:31.641	0.5					T__		83.2			MLv	15320567	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_	
JOS	0.52	298.7	Lg	12:18:38.640	-0.6					T__						15320568	FDSN	ZJ	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.7 1																									
KECS	0.55	295.9	Pg	12:18:32.132	0.5					T__		129.1			MLv	15320569	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_	
KECS	0.55	295.9	Lg	12:18:39.377	-0.7					T__						15320570	FDSN	SK	--	BUD	iLoc	EHE	???	_	
(Station ML : 1.9 1																									
HOLU	0.82	69.5	Pn	12:18:38.195	-0.1					T__						15320571	FDSN	UA	--	BUD	iLoc	MHZ	???	_	
TRPA	0.88	97.0	Lg	12:18:51.923	-0.5					T__						15320572	FDSN	HU	--	BUD	iLoc	BHN	???	_	
PSZ	0.95	250.4	Lg	12:18:53.963	-1.0					T__						15320573	FDSN	GE	--	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
2019/10/30	19:49:54.80	0.54	0.44	47.6004	16.4842	2.6	1.8	109	3.4F	8.8	12		2	0.16	0.53	a	ke	VIE	15281010	ISC		360
2019/10/30	19:49:53.73	2.17	1.24	47.5745	16.5670	14.1	5.3	117	0.0S		14	7	251	0.11	1.49	m	sx	BUD	15320591	iLoc		305

Magnitude	Err	Nsta	Author	OrigID
mb	0.1		VIE	15281010
m1	0.9		VIE	15281010
ML	1.3	0.5	4 ILOC	15320591

Sta	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	0.11	356.9	Pg	19:49:56.862	0.5					T__		97.3			MLv	15320593	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
SOP	0.11	356.9	Lg	19:49:58.389	0.1					T__						15320594	FDSN	HU	--	BUD	iLoc	BHN	???	_	
(Station ML : 0.6 1																									
RONA	0.22	304.5	Pg	19:49:57.966	-0.5					T__		4.9	0.12			15320595	FDSN	IR	--	ISC	iLoc	???	???	_	
RONA	0.22	304.5	Lg	19:50:00.410	-1.4					T__		4.1	0.08			15320596	FDSN	IR	--	ISC	iLoc	???	???	_	
A011B	0.44	248.3	Pg	19:50:02.707	0.2					T__		35.8			MLv	15320597	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A011B	0.44	248.3	Lg	19:50:08.036	-0.2					T__						15320598	FDSN	Z3	00	BUD	iLoc	HH2	???	_	
(Station ML : 1.1 1																									
CONA	0.59	306.9	Pg	19:50:06.864	1.3					T__		47.4			MLv	15320599	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_	
CONA	0.59	306.9	Lg	19:50:14.623	1.2					T__						15320600	FDSN	OE	--	BUD	iLoc	BHN	???	_	

CONA	0.59	306.9	Lg	19:50:13.377	-0.1					T__	0.5	0.18	---	15320601	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.5 1)																						
A013A	0.92	302.5	Pg	19:50:11.135	-0.4					T__	60.7		MLv	15320602	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A013A	0.92	302.5	Lg	19:50:23.146	-0.3					T__			---	15320603	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
(Station ML : 1.8 1)																						
A007A	1.34	329.1	Sn	19:50:35.277	-2.6					T__			---	15320604	FDSN	Z3	00	BUD	iLoc	HHE	???	_
KRUC	1.49	355.7	Sn	19:50:39.900	-1.6					T__			---	15320605	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.49	355.7	Sn	19:50:40.272	-1.3					T__			---	15320606	FDSN	CZ	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/10/31	09:58:29.06	1.77	0.27	48.1504	19.8965	16.8	4.4	117	0.0S	6	4	229	0.23	0.55	m	sx	BUD	15320627	iLoc			315
(description : suspected quarry blast)																						
(locality : Siatorska-Bukovinka Slovakia)																						

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	0.23	180.3	Pg	09:58:34.547	0.0					T__		287.3		---	MLv	15320629	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.23	180.3	Lg	09:58:38.720	-0.1					T__				---		15320630	FDSN	GE	--	BUD	iLoc	BHN	???	_
HU02A	0.42	93.6	Lg	09:58:45.136	0.0					T__				---		15320631	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
KECS	0.52	49.5	Lg	09:58:47.829	0.4					T__				---		15320632	FDSN	SK	--	BUD	iLoc	EHN	???	_
JOS	0.55	50.8	Pg	09:58:39.922	-0.2					T__		59.4		---	MLv	15320633	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.55	50.8	Lg	09:58:48.550	-0.0					T__				---		15320634	FDSN	ZJ	--	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
2019/10/31	10:18:54.96	1.01	0.26	46.1768	18.2873	9.5	3.7	154	0.0S	5	3	154	0.16	0.35	m	sx	BUD	15320643	iLoc			276
(description : suspected quarry blast)																						
(locality : Komló-II Hungary)																						

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	235.9	Pg	10:18:58.900	0.1					T__		481.2		---	MLv	15320645	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.16	235.9	Lg	10:19:01.547	-0.3					T__				---		15320646	FDSN	HU	--	BUD	iLoc	BHN	???	_
MORH	0.25	80.9	Pg	10:19:00.631	0.1					T__		30.0		---	MLv	15320647	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	0.25	80.9	Lg	10:19:04.854	-0.2					T__				---		15320648	FDSN	HU	--	BUD	iLoc	BHN	???	_
A266A	0.35	357.4	Lg	10:19:08.248	-0.1					T__				---		15320649	FDSN	Z3	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	
2019/10/31	13:07:23.44	3.82	0.57	47.6014	20.2640	57.7	10.2	37	16.3F	13.7	7	4	241	0.04	0.40	m	ke	BUD	15320658	iLoc			274

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.2	3 ILOC	15320658

Sta	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	0.04	345.5	Pg	13:07:26.549	-0.2					T__		624.1		---	MLv	15320660	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_

HU23A	0.04	345.5	Lg	13:07:29.976	0.8	T__									15320661	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 1.2 1)																							
ATAN2	0.06	80.0	Pg	13:07:27.008	0.1	T__				1723.3		MLv			15320662	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN2	0.06	80.0	Lg	13:07:29.114	-0.3	T__									15320663	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.7 1)																							
TENKA	0.08	47.0	Pg	13:07:27.092	0.1	T__				1189.1		MLv			15320664	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.08	47.0	Lg	13:07:29.184	-0.4	T__									15320665	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.6 1)																							
PSZ	0.40	322.0	Lg	13:07:39.211	0.1	T__									15320666	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
2019/11/01	00:17:43.03	2.82	0.51	47.6660	20.3856	23.7	9.1	49	12.0A		5	3	306	0.03	0.10	m	ke	BUD	15320680	iLoc		351

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
TENKA	0.03	245.4	Pg	00:17:45.460	-0.1					T__		129.3		MLv	15320682	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
TENKA	0.03	245.4	Lg	00:17:47.563	0.2					T__					15320683	FDSN	HU	--	BUD	iLoc	HHN	???	_	
ATAN2	0.06	200.5	Pg	00:17:45.480	-0.3					T__		167.7		MLv	15320684	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ATAN2	0.06	200.5	Lg	00:17:48.454	0.6					T__					15320685	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
HU23A	0.10	253.7	Lg	00:17:48.504	-0.1					T__					15320686	FDSN	ZJ	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
2019/11/01	14:09:00.29	1.24	0.38	46.6457	22.5510	21.0	5.1	114	5.0A		6	3	184	0.18	1.26	m	ke	BUD	15320695	iLoc		320

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.2	3 ILOC	15320695

Sta	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	0.18	37.0	Pg	14:09:04.327	-0.0					T__		141.6		MLv	15320697	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
DRGR	0.18	37.0	Lg	14:09:07.789	0.1					T__					15320698	FDSN	RO	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.0 1)																								
BZS	1.21	212.0	Pg	14:09:23.923	0.1					T__		31.8		MLv	15320699	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
BZS	1.21	212.0	Lg	14:09:39.226	-0.4					T__					15320700	FDSN	RO	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.7 1)																								
GZR	1.26	172.8	Pg	14:09:24.441	0.2					T__		21.5		MLv	15320701	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
GZR	1.26	172.8	Lg	14:09:41.200	-0.5					T__					15320702	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
2019/11/02	09:34:26.57	1.04	0.66	46.1405	18.3132	8.8	3.6	162	0.0S		7	5	178	0.16	0.85	m	kx	BUD	15320716	iLoc		255
2019/11/02	09:34:26.66f		0.76	46.1765	18.2926f				0.0S		7		155	0.16	0.82	a	kx	BUD_GT	15328741	BUD		239

(GT info : GT2 explosion)
(description : known quarry blast)
(locality : Koml6-II Hungary)

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	236.7	Pg	09:34:30.296	-0.2					T__		452.0		---	MLv	15330673	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.16	236.7	Lg	09:34:33.435	-0.2					T__				---		15330674	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.25	80.7	Pg	09:34:32.223	0.1					T__		67.8		---	MLv	15330675	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.25	80.7	Lg	09:34:35.824	-0.8					T__				---		15330676	FDSN	HU	--	BUD	BUD	BHN	???	_
A266A	0.35	356.8	Lg	09:34:40.379	0.3					T__				---		15330677	FDSN	Z3	00	BUD	BUD	HHE	???	_
A265A	0.42	305.9	Lg	09:34:43.706	1.5					T__				---		15330678	FDSN	Z3	00	BUD	BUD	HHE	???	_
A263A	0.82	304.8	Sn	09:34:56.632	-1.0					T__				---		15330679	FDSN	Z3	00	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/11/04	09:48:12.15	1.48	0.96	47.2510	18.2905	24.4	7.2	76	0.0S		6	3	183	0.11	1.27	m	sx BUD	15320733	iLoc			291
(description : suspected quarry blast)																						
(locality : Iszkaszentgyörgy Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.4	4 ILOC	15320733

Sta	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	349.8	Pg	09:48:15.367	0.3					T__		327.3		---	MLv	15320735	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.11	349.8	Lg	09:48:17.232	-0.7					T__				---		15320736	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.1 1)																								
HU09A	0.39	9.1	Pg	09:48:20.467	0.0					T__		184.4		---	MLv	15320737	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU09A	0.39	9.1	Lg	09:48:24.999	-2.4					---				---		15320738	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.7 1)																								
MORH	1.06	166.6	Pn	09:48:32.847	-0.1					---		19.9		---	MLv	15320739	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.06	166.6	Lg	09:48:48.216	-0.6					T__				---		15320740	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.4 1)																								
PSZ	1.27	57.8	Pn	09:48:37.656	1.3					T__		72.1		---	MLv	15320741	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	1.27	57.8	Sn	09:48:55.798	0.3					T__				---		15320742	FDSN	GE	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/11/05	10:09:13.91	0.15	0.34	45.9389	22.7028	1.3	1.0	78	5.6F	2.7	18		89	0.15	1.35	a	ke BUC	15281025	ISC			360
2019/11/05	10:09:13.73	0.82	0.59	45.9540	22.7062	4.9	3.3	89	8.4F	8.1	36	9	95	0.15	1.37	m	ke BUD	15320760	iLoc			116

Magnitude	Err	Nsta	Author	OrigID
ml	1.3		BUC	15281025
ML	1.6	0.0	5 ILOC	15320760

Sta	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	116.5	Pg	10:09:16.730	-0.2					T__		791.6		---	MLv	15320762	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DEV	0.15	116.5	Lg	10:09:18.877	-0.4					T__				---		15320763	FDSN	RO	--	BUD	iLoc	BHN	???	_
DEV	0.15	117.1	Lg	10:09:19.165	-0.3					T__		0.3		---		15320764	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.15	117.1	Lg	10:09:19.165	-0.3					T__				---		15320765	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.6 1)																								
GZR	0.56	174.9	Pg	10:09:24.832	0.2					T__		39.9		---	MLv	15320766	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	0.56	174.9	Pg	10:09:24.995	0.3					T__				---		15320767	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.56	174.9	Pg	10:09:24.995	0.3					T__				---		15320768	FDSN	IR	--	ISC	iLoc	???	???	_

GZR	0.56	174.9	Lg	10:09:32.437	-0.4	T__	---	15320769	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.56	174.9	Lg	10:09:32.864	0.1	T__	---	15320770	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.4 0)																
MARR	0.78	21.5	Pg	10:09:29.356	0.1	T__	---	15320771	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.78	21.5	Pg	10:09:29.356	0.1	T__	---	15320772	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.78	21.5	Lg	10:09:39.765	-0.9	T__	---	15320773	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.79	293.6	Lg	10:09:39.995	-0.5	T__	---	15320774	FDSN	RO	--	BUD	iLoc	BHE	???	_
SIRR	0.79	293.7	Pg	10:09:29.762	0.0	T__	---	15320775	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.79	293.7	Pg	10:09:29.762	0.0	T__	---	15320776	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.79	293.7	Lg	10:09:39.891	-0.7	T__	---	15320777	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.82	246.2	Pg	10:09:30.924	1.2	T__	---	15320778	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.82	246.2	Lg	10:09:41.381	0.6	T__	---	15320779	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	0.83	246.5	Pg	10:09:29.358	-0.7	T__	---	15320780	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.83	246.5	Pg	10:09:29.358	-0.7	T__	---	15320781	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.83	246.5	Lg	10:09:40.539	-0.8	T__	---	15320782	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.5 1)																
DRGR	0.84	0.2	Pg	10:09:30.884	0.5	T__	---	15320783	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.84	0.2	Pg	10:09:30.884	0.5	T__	---	15320784	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.84	0.2	Lg	10:09:42.369	0.1	T__	---	15320785	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.84	0.2	Pg	10:09:31.410	1.0	T__	---	15320786	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.84	0.2	Lg	10:09:41.451	-0.9	T__	---	15320787	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.6 1)																
LOT	0.90	123.8	Pg	10:09:30.973	-0.1	T__	---	15320788	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.90	123.8	Pg	10:09:30.973	-0.1	T__	---	15320789	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.90	123.8	Lg	10:09:43.727	-0.6	T__	---	15320790	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.90	123.9	Pg	10:09:31.374	0.2	T__	---	15320791	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 1.7 0)																
HERR	1.09	190.9	Pg	10:09:34.946	0.4	T__	---	15320792	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.09	190.9	Pg	10:09:34.946	0.4	T__	---	15320793	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.09	190.9	Lg	10:09:48.958	-0.2	T__	---	15320794	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.37	211.2	Pn	10:09:39.172	0.6	T__	---	15320795	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.37	211.2	Pn	10:09:39.172	0.6	T__	---	15320796	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.37	211.2	Sn	10:09:58.704	1.4	T__	---	15320797	FDSN	IR	--	ISC	iLoc	???	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/11/05 10:38:14.42 0.90 0.83 48.3302 19.8880 4.9 3.1 148 0.0S 15 8 113 0.41 1.13 m sx BUD 15320820 iLoc 169
 (description : suspected quarry blast)
 (locality : Velke-Dravce Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.8 0.1 7 ILOC 15320820

Sta	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	179.4	Pg	10:38:23.600	0.1					T__		173.0		---	MLv	15320822	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	0.41	179.4	Lg	10:38:29.910	-0.3					T__				---		15320823	FDSN	GE	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.7 1)																									
KECS	0.43	68.7	Pg	10:38:23.549	0.5					T__		240.1		---	MLv	15320824	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_	
KECS	0.43	68.7	Lg	10:38:30.063	0.4					T__				---		15320825	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Station ML : 1.9 1)																									
JOS	0.46	68.8	Pg	10:38:24.071	0.3					T__		167.3		---	MLv	15320826	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_	
JOS	0.46	68.8	Lg	10:38:31.034	0.1					T__				---		15320827	FDSN	ZJ	--	BUD	iLoc	HHE	???	_	

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(Station ML : 1.8 1
HU03A 0.47 204.5 Pg 10:38:24.629 0.3 T__ 140.9 ___ MLv 15320828 FDSN ZJ 00 BUD iLoc HHZ HHZ _
HU03A 0.47 204.5 Lg 10:38:31.703 0.1 T__ ___ 15320829 FDSN ZJ 00 BUD iLoc HHE ??? _
(Station ML : 1.8 1
HU02A 0.47 115.8 Pg 10:38:24.837 0.3 T__ 102.6 ___ MLv 15320830 FDSN ZJ 00 BUD iLoc HHZ HHZ _
HU02A 0.47 115.8 Lg 10:38:31.739 -0.5 T__ ___ 15320831 FDSN ZJ 00 BUD iLoc HHN ??? _
(Station ML : 1.6 1
A336A 0.60 261.1 Pg 10:38:27.461 0.8 T__ 137.7 ___ MLv 15320832 FDSN Z3 00 BUD iLoc HHZ HHZ _
A336A 0.60 261.1 Lg 10:38:34.894 -1.2 T__ ___ 15320833 FDSN Z3 00 BUD iLoc HH2 ??? _
(Station ML : 2.0 0
ABAH 0.90 91.7 Lg 10:38:44.720 -1.7 T__ ___ 15320834 FDSN HU -- BUD iLoc HHE ??? _
NIE 1.13 14.3 Pn 10:38:37.263 0.6 T__ 28.6 ___ MLv 15320835 FDSN PL -- BUD iLoc BHZ BHZ _
NIE 1.13 14.3 Lg 10:38:50.776 -1.4 T__ ___ 15320836 FDSN PL -- BUD iLoc BHE ??? _

```

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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
2019/11/05 13:17:00.32 0.16 0.37 45.9325 22.6167 1.5 1.0 113 6.5F 1.9 21 121 0.20 2.31 a ke BUC 15281081 ISC 360
2019/11/05 13:17:00.06 0.80 0.66 45.9613 22.6184 3.4 3.0 150 0.0S 42 12 120 0.21 2.34 m sx BUD 15320866 iLoc 141
(description : suspected quarry blast)
(locality : Baita Romania)

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Magnitude Err Nsta Author OrigID
ml 1.5 BUC 15281081
ML 1.6 0.0 5 ILOC 15320866

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Sta 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 0.21 110.7 Pg 13:17:04.085 0.1 T__ 797.3 ___ MLv 15320868 FDSN RO -- BUD iLoc BHZ BHZ _
DEV 0.21 110.7 Lg 13:17:07.062 0.1 T__ ___ 15320869 FDSN RO -- BUD iLoc BHN ??? _
DEV 0.21 111.3 Lg 13:17:06.711 -0.4 T__ 0.5 ___ 15320870 FDSN IR -- ISC iLoc ??? ??? _
DEV 0.21 111.3 Lg 13:17:06.711 -0.4 T__ ___ 15320871 FDSN IR -- ISC iLoc ??? ??? _
(Station ML : 1.8 0
SURR 0.40 239.2 Pg 13:17:07.383 -0.5 T__ ___ 15320872 FDSN IR -- ISC iLoc ??? ??? _
SURR 0.40 239.2 Pg 13:17:07.383 -0.5 T__ ___ 15320873 FDSN IR -- ISC iLoc ??? ??? _
SURR 0.40 239.2 Lg 13:17:13.332 -0.3 T__ ___ 15320874 FDSN IR -- ISC iLoc ??? ??? _
GZR 0.58 168.9 Pg 13:17:11.568 0.4 T__ ___ 15320875 FDSN IR -- ISC iLoc ??? ??? _
GZR 0.58 168.9 Pg 13:17:11.568 0.4 T__ ___ 15320876 FDSN IR -- ISC iLoc ??? ??? _
GZR 0.58 168.9 Pg 13:17:11.840 0.6 T__ 41.8 ___ MLv 15320877 FDSN RO -- BUD iLoc BHZ BHZ _
GZR 0.58 168.9 Lg 13:17:19.244 -0.2 T__ ___ 15320878 FDSN IR -- ISC iLoc ??? ??? _
GZR 0.58 168.9 Lg 13:17:19.942 0.5 T__ ___ 15320879 FDSN RO -- BUD iLoc BHE ??? _
(Station ML : 1.4 0
BZS 0.77 243.8 Pg 13:17:15.649 0.6 T__ 40.4 ___ MLv 15320880 FDSN RO -- BUD iLoc BHZ BHZ _
BZS 0.77 243.8 Lg 13:17:27.836 1.9 T__ ___ 15320881 FDSN RO -- BUD iLoc BHN ??? _
(Station ML : 1.5 1
MARR 0.79 25.7 Pg 13:17:16.630 0.6 T__ ___ 15320882 FDSN IR -- ISC iLoc ??? ??? _
MARR 0.79 25.7 Pg 13:17:16.630 0.6 T__ ___ 15320883 FDSN IR -- ISC iLoc ??? ??? _
MARR 0.79 25.7 Lg 13:17:27.047 -1.5 T__ ___ 15320884 FDSN IR -- ISC iLoc ??? ??? _
DRGR 0.83 4.4 Pg 13:17:17.018 0.2 T__ ___ 15320885 FDSN IR -- ISC iLoc ??? ??? _
DRGR 0.83 4.4 Pg 13:17:17.018 0.2 T__ ___ 15320886 FDSN IR -- ISC iLoc ??? ??? _
DRGR 0.83 4.4 Lg 13:17:29.080 -0.3 T__ ___ 15320887 FDSN IR -- ISC iLoc ??? ??? _
DRGR 0.83 4.4 Pg 13:17:17.241 0.4 T__ 48.5 ___ MLv 15320888 FDSN RO -- BUD iLoc BHZ BHZ _
DRGR 0.83 4.4 Lg 13:17:28.043 -1.3 T__ ___ 15320889 FDSN RO -- BUD iLoc BHE ??? _
(Station ML : 1.6 1

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LOT	0.96	122.1	Pg	13:17:18.609	0.2	T__	---	15320890	FDSN	IR	--	ISC	iLoc	???	???	_	
LOT	0.96	122.1	Pg	13:17:18.609	0.2	T__	---	15320891	FDSN	IR	--	ISC	iLoc	???	???	_	
LOT	0.96	122.1	Lg	13:17:31.575	-0.8	T__	---	15320892	FDSN	IR	--	ISC	iLoc	???	???	_	
LOT	0.96	122.2	Pg	13:17:18.280	-0.2	T__	41.0	MLv	15320893	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
LOT	0.96	122.2	Lg	13:17:31.990	-0.5	T__	---	15320894	FDSN	RO	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.6 1																	
CJR	1.01	41.7	Pn	13:17:20.650	-0.3	T__	---	15320895	FDSN	IR	--	ISC	iLoc	???	???	_	
CJR	1.01	41.7	Pn	13:17:20.650	-0.3	T__	0.1	---	15320896	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	1.01	41.7	Lg	13:17:35.204	0.3	T__	0.1	---	15320897	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	1.01	41.7	Lg	13:17:35.204	0.3	T__	---	15320898	FDSN	IR	--	ISC	iLoc	???	???	_	
HERR	1.09	187.6	Pg	13:17:20.971	0.3	T__	---	15320899	FDSN	IR	--	ISC	iLoc	???	???	_	
HERR	1.09	187.6	Pg	13:17:20.971	0.3	T__	---	15320900	FDSN	IR	--	ISC	iLoc	???	???	_	
HERR	1.09	187.6	Lg	13:17:35.470	0.1	T__	---	15320901	FDSN	IR	--	ISC	iLoc	???	???	_	
MDVR	1.34	208.7	Pn	13:17:25.404	-0.1	T__	---	15320902	FDSN	IR	--	ISC	iLoc	???	???	_	
MDVR	1.34	208.7	Pn	13:17:25.404	-0.1	T__	---	15320903	FDSN	IR	--	ISC	iLoc	???	???	_	
MDVR	1.34	208.7	Lg	13:17:43.546	-0.4	T__	---	15320904	FDSN	IR	--	ISC	iLoc	???	???	_	
ARR	1.53	112.1	Pn	13:17:28.250	-0.4	T__	---	15320905	FDSN	IR	--	ISC	iLoc	???	???	_	
ARR	1.53	112.1	Pn	13:17:28.250	-0.4	T__	---	15320906	FDSN	IR	--	ISC	iLoc	???	???	_	
ARR	1.53	112.1	Sn	13:17:49.266	-1.0	T__	---	15320907	FDSN	IR	--	ISC	iLoc	???	???	_	
BLKB	2.34	179.0	Pn	13:17:38.288	-1.1	T__	---	15320908	FDSN	IR	--	ISC	iLoc	???	???	_	
BLKB	2.34	179.0	Pn	13:17:38.288	-1.1	T__	---	15320909	FDSN	IR	--	ISC	iLoc	???	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/11/05 13:45:19.71 0.92 0.88 47.8763 20.1729 4.2 3.9 32 0.0S 10 6 115 0.19 0.86 m sx BUD 15320934 iLoc 223
 (description : suspected quarry blast)
 (locality : Kisnána Hungary)

Magnitude Err Nsta Author OrigID
 ML 1.5 0.0 5 ILOC 15320934

Sta	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	282.8	Pg	13:45:24.511	0.1					T__		437.1		MLv	15320936	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_			
PSZ	0.19	282.8	Lg	13:45:27.190	-1.0					T__					15320937	FDSN	GE	--	BUD	iLoc	BHN	???	_			
(Station ML : 1.5 1																										
HU23A	0.24	167.7	Pg	13:45:25.950	0.6					T__		446.2		MLv	15320938	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_			
HU23A	0.24	167.7	Lg	13:45:27.933	-1.7					T__					15320939	FDSN	ZJ	00	BUD	iLoc	HHE	???	_			
(Station ML : 1.6 1																										
HU02A	0.34	43.7	Pg	13:45:27.140	-0.1					T__		90.4		MLv	15320940	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_			
HU02A	0.34	43.7	Lg	13:45:33.279	0.2					T__					15320941	FDSN	ZJ	00	BUD	iLoc	HHE	???	_			
(Station ML : 1.2 0																										
JOS	0.67	21.4	Pg	13:45:32.954	-0.1					T__		42.6		MLv	15320942	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_			
(Station ML : 1.5 1																										
ABAH	0.83	59.2	Pn	13:45:37.488	0.1					T__		49.3		MLv	15320943	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_			
ABAH	0.83	59.2	Lg	13:45:50.194	0.4					T__					15320944	FDSN	HU	--	BUD	iLoc	HHN	???	_			
(Station ML : 1.7 0																										
A336A	0.86	294.8	Lg	13:45:51.566	0.9					T__					15320945	FDSN	Z3	00	BUD	iLoc	HH3	???	_			

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

2019/11/06 09:03:22.05 3.62 0.54 46.9110 22.7998 41.0 20.9 120 0.0S 8 4 309 0.13 1.52 m sx BUD 15321007 iLoc 336

Magnitude Err Nsta Author OrigID
ML 1.8 0.5 4 ILOC 15321007

Sta	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	0.13	207.0	Pg	09:03:25.085	-0.0					T__		523.2		---	MLv	15321009	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.13	207.0	Lg	09:03:27.732	0.0					T__				---		15321010	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.4 1																								
SIRR	1.02	230.9	Pn	09:03:42.533	-0.0					T__		23.5		---	MLv	15321011	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	1.02	230.9	Lg	09:03:56.853	-0.2					T__				---		15321012	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 1.4 1																								
GZR	1.52	180.6	Pn	09:03:50.025	0.0					T__		57.8		---	MLv	15321013	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.52	180.6	Sn	09:04:10.209	-1.1					T__				---		15321014	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 2.1 1																								
BZS	1.52	212.3	Pn	09:03:50.014	0.3					T__		53.9		---	MLv	15321015	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	1.52	212.3	Lg	09:04:12.418	0.4					T__				---		15321016	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
2019/11/06 09:26:28.08 1.60 1.09 48.5972 20.7566 12.7 4.3 0 0.0S 13 8 112 0.18 1.08 m sx BUD 15320967 iLoc 152
(description : suspected quarry blast)
(locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
ML 1.6 0.2 6 ILOC 15320967

Sta	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	235.1	Pg	09:26:32.036	0.2					T__		315.3		---	MLv	15320969	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.18	235.1	Lg	09:26:35.304	0.5					T__				---		15320970	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 1.3 0																								
KECS	0.21	237.7	Pg	09:26:32.528	-0.0					T__		696.8		---	MLv	15320971	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.21	237.7	Lg	09:26:36.396	0.4					T__				---		15320972	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 1.7 1																								
ABAH	0.44	133.0	Pg	09:26:37.329	0.2					T__		98.3		---	MLv	15320973	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.44	133.0	Lg	09:26:44.474	-0.2					T__				---		15320974	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.5 1																								
HU02A	0.50	198.1	Lg	09:26:46.350	-0.3					T__				---		15320975	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
NIE	0.87	340.6	Pn	09:26:46.428	-0.3					T__		28.7		---	MLv	15320976	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 1.4 1																								
PSZ	0.89	220.6	Pn	09:26:45.446	-1.5					T__		72.4		---	MLv	15320977	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.89	220.6	Lg	09:26:59.625	-0.6					T__				---		15320978	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.9 0																								
LANS	1.02	303.5	Pn	09:26:48.280	-0.5					T__		57.2		---	MLv	15320979	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
LANS	1.02	303.5	Sn	09:27:02.416	-2.9					T__				---		15320980	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.8 1																								
HOLU	1.08	93.1	Pn	09:26:49.873	0.4					T__				---		15320981	FDSN	UA	--	BUD	iLoc	MHZ	???	_

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

2019/11/07 11:12:14.78 0.34 1.11 46.8027 17.2643 0.0F 0.0 9 102 0.78 1.48 a kx KRSZO 15281151 ISC 360
 2019/11/07 11:12:13.33 0.92 1.23 46.8365 17.2803 5.9 3.9 27 0.0S 15 10 99 0.15 1.46 m sx BUD 15321034 iLoc 130
 (description : suspected quarry blast)
 (locality : Várvölgy Hungary)

Magnitude	Err	Nsta	Author	OrigID
M	2.1		KRSZO	15281151
MLv	2.1		KRSZO	15281151
ML	1.8	0.2	4 ILOC	15321034

Sta	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	322.0	Pg	11:12:16.031	-0.9					T__		1596.8		---	MLv	15321036	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A261A	0.15	322.0	Lg	11:12:19.512	-0.3					T__				---		15321037	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 1.9 1)																								
A262A	0.52	273.3	Lg	11:12:32.653	1.6					T__				---		15321038	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A260A	0.60	319.0	Lg	11:12:35.016	1.1					T__				---		15321039	FDSN	Z3	00	BUD	iLoc	HHE	???	_
KOGS	0.81	241.7	Lg	11:12:41.871	1.9					T__				---		15321040	FDSN	SL	--	BUD	iLoc	BHE	???	_
A267A	0.83	82.0	Lg	11:12:44.566	1.1					T__				---		15321041	FDSN	Z3	00	BUD	iLoc	HHE	???	_
CSKK	0.85	51.4	Pg	11:12:31.030	0.5					T__		92.4		---	MLv	15321042	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.85	51.4	Lg	11:12:44.969	0.3					T__				---		15321043	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.9 1)																								
KOVH	0.94	142.6	Pg	11:12:31.422	-0.9					T__		46.0		---	MLv	15321044	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.94	142.6	Lg	11:12:44.871	-0.3					T__				---		15321045	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.7 1)																								
MORH	1.13	122.9	Pn	11:12:35.325	0.2					T__		10.9		---	MLv	15321046	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.13	122.9	Sn	11:12:50.471	-1.3					T__				---		15321047	FDSN	HU	--	BUD	iLoc	BHN	???	_
MORH	1.13	123.0	Sn	11:12:49.800	-2.0					T__		0.0		---		15321048	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.2 1)																								
ARSA	1.27	289.7	Lg	11:12:53.824	0.0					T__				---		15321049	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.46	319.1	Sn	11:13:01.418	1.2					T__				---		15321050	FDSN	OE	--	BUD	iLoc	BHE	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/11/07 13:36:39.60 0.99 0.74 48.4245 20.7724 5.9 3.4 24 0.0S 10 5 177 0.17 0.78 m sx BUD 15321069 iLoc 274
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude	Err	Nsta	Author	OrigID
ML	1.2	0.0	5 ILOC	15321069

Sta	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	294.5	Pg	13:36:43.112	-0.2					T__		230.1		---	MLv	15321071	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.17	294.5	Lg	13:36:46.038	-0.1					T__				---		15321072	FDSN	ZJ	--	BUD	iLoc	HHN	???	_
(Station ML : 1.1 1)																								
KECS	0.20	287.2	Pg	13:36:43.881	0.1					T__		370.8		---	MLv	15321073	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.20	287.2	Lg	13:36:47.111	-0.0					T__				---		15321074	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.4 1)																								
ABAH	0.34	112.2	Pg	13:36:46.947	0.3					T__		86.2		---	MLv	15321075	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.34	112.2	Lg	13:36:51.794	-0.9					T__				---		15321076	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.2 1)																								
HU02A	0.34	208.7	Pg	13:36:46.868	-0.2					T__		58.6		---	MLv	15321077	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.34	208.7	Lg	13:36:52.402	-0.5					T__				---		15321078	FDSN	ZJ	00	BUD	iLoc	HHE	???	_

(Station ML : 1.0 0
 PSZ 0.78 229.6 Pn 13:36:57.000 0.2 T__ 39.5 ___ MLv 15321079 FDSN GE -- BUD iLoc BHZ BHZ _
 PSZ 0.78 229.6 Lg 13:37:09.439 1.6 T__ ___ 15321080 FDSN GE -- BUD iLoc BHE ??? _

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/11/08 09:09:44.36 1.21 0.49 48.4117 20.7650 30.4 5.4 21 0.0S 8 5 126 0.17 1.05 m sx BUD 15321102 iLoc 246
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.5 0.4 3 ILOC 15321102

Sta 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 0.17 299.0 Pg 09:09:47.823 -0.2 T__ 290.5 ___ MLv 15321104 FDSN ZJ -- BUD iLoc HHZ HHZ _
 JOS 0.17 299.0 Lg 09:09:51.487 0.5 T__ ___ 15321105 FDSN ZJ -- BUD iLoc HHN ??? _
 (Station ML : 1.2 1
 KECS 0.20 291.1 Pg 09:09:48.346 -0.2 T__ 1332.7 ___ MLv 15321106 FDSN SK -- BUD iLoc EHE EHZ _
 KECS 0.20 291.1 Lg 09:09:51.900 0.0 T__ 1.3 ___ 15321107 FDSN IR -- ISC iLoc ??? ??? _
 KECS 0.20 291.1 Lg 09:09:52.507 0.6 T__ ___ 15321108 FDSN SK -- BUD iLoc EHN ??? _
 (Station ML : 2.0 1
 ABAH 0.34 109.9 Lg 09:09:57.800 0.4 T__ ___ 15321109 FDSN IR -- ISC iLoc ??? ??? _
 PSZ 0.76 230.1 Sn 09:10:15.205 -0.1 T__ ___ 15321110 FDSN GE -- BUD iLoc BHN ??? _
 NIE 1.05 343.7 Pn 09:10:04.919 -0.6 T__ 25.5 ___ MLv 15321111 FDSN PL -- BUD iLoc BHZ BHZ _

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/11/08 09:41:19.16 0.34 0.36 46.8503 22.3127 2.9 1.3 152 5.7F 1.5 22 209 0.28 2.36 a ke BUC 15281163 ISC 360
 2019/11/08 09:41:17.01 1.04 0.83 46.9559 22.2780 7.6 4.2 168 0.0S 44 15 65 0.34 2.45 m sx BUD 15321143 iLoc 120
 (description : suspected quarry blast)
 (locality : Tetchea Romania)

Magnitude Err Nsta Author OrigID
 ml 1.6 BUC 15281163
 ML 1.9 0.4 9 ILOC 15321143

Sta 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 0.34 118.8 Pg 09:41:23.990 -0.0 T__ 248.7 _c_ MLv 15321145 FDSN RO -- BUD iLoc BHZ BHZ _
 DRGR 0.34 118.8 Lg 09:41:28.810 -1.0 T__ ___ 15321146 FDSN RO -- BUD iLoc BHE ??? _
 (Station ML : 1.6 1
 MARR 0.64 115.6 Pg 09:41:30.537 0.7 T__ ___ 15321147 FDSN IR -- ISC iLoc ??? ??? _
 MARR 0.64 115.6 Pg 09:41:30.537 0.7 T__ ___ 15321148 FDSN IR -- ISC iLoc ??? ??? _
 MARR 0.64 115.6 Lg 09:41:38.567 -1.5 T__ ___ 15321149 FDSN IR -- ISC iLoc ??? ??? _
 HU24A 0.77 267.0 Pg 09:41:33.397 0.1 T__ 195.6 ___ MLv 15321150 FDSN ZJ 00 BUD iLoc HHZ HHZ _
 (Station ML : 2.2 1
 SIRR 0.81 212.0 Pg 09:41:33.777 0.4 T__ ___ 15321151 FDSN IR -- ISC iLoc ??? ??? _
 SIRR 0.81 212.0 Pg 09:41:33.777 0.4 T__ ___ 15321152 FDSN IR -- ISC iLoc ??? ??? _
 SIRR 0.81 212.0 Lg 09:41:43.530 -2.2 T__ ___ 15321153 FDSN IR -- ISC iLoc ??? ??? _
 SIRR 0.81 211.8 Pg 09:41:33.630 0.2 T__ 31.1 ___ MLv 15321154 FDSN RO -- BUD iLoc BHZ BHZ _
 SIRR 0.81 211.8 Lg 09:41:45.480 -0.3 T__ ___ 15321155 FDSN RO -- BUD iLoc BHN ??? _

(Station ML : 1.4 1)																					
CJR	0.94	104.5 Pg	09:41:35.589	0.2	T__	268.4		MLv	15321156	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_				
CJR	0.94	104.5 Pn	09:41:36.854	0.2	T__				15321157	FDSN	IR	--	ISC	iLoc	???	???	_				
CJR	0.94	104.5 Pn	09:41:36.854	0.2	T__	0.1			15321158	FDSN	IR	--	ISC	iLoc	???	???	_				
CJR	0.94	104.5 Lg	09:41:48.564	-1.1	T__	0.1			15321159	FDSN	IR	--	ISC	iLoc	???	???	_				
CJR	0.94	104.5 Lg	09:41:48.564	-1.1	T__				15321160	FDSN	IR	--	ISC	iLoc	???	???	_				
(Station ML : 2.5 0)																					
BMR	1.10	48.7 Pg	09:41:38.460	0.0	T__	210.9		MLv	15321161	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_				
(Station ML : 2.4 1)																					
TRPA	1.19	8.5 Pn	09:41:38.827	-1.0	T__	13.7		MLv	15321162	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_				
(Station ML : 1.3 0)																					
BZS	1.41	198.5 Pn	09:41:43.380	0.4	T__	31.7		MLv	15321163	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_				
BZS	1.41	198.5 Lg	09:42:04.183	0.6	T__				15321164	FDSN	RO	--	BUD	iLoc	BHE	???	_				
BZS	1.42	199.1 Pn	09:41:43.569	0.5	T__				15321165	FDSN	IR	--	ISC	iLoc	???	???	_				
BZS	1.42	199.1 Pn	09:41:43.569	0.5	T__				15321166	FDSN	IR	--	ISC	iLoc	???	???	_				
BZS	1.42	199.1 Sn	09:42:02.455	-0.6	T__				15321167	FDSN	IR	--	ISC	iLoc	???	???	_				
(Station ML : 1.8 1)																					
ABAH	1.51	332.7 Pn	09:41:44.490	0.3	T__	54.0		MLv	15321168	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_				
(Station ML : 2.1 1)																					
GZR	1.60	167.3 Pg	09:41:47.080	-0.3	T__				15321169	FDSN	IR	--	ISC	iLoc	???	???	_				
GZR	1.60	167.3 Pg	09:41:47.080	-0.3	T__				15321170	FDSN	IR	--	ISC	iLoc	???	???	_				
GZR	1.60	167.3 Pg	09:41:48.301	1.0	T__	34.5		MLv	15321171	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_				
GZR	1.60	167.3 Sn	09:42:07.146	-1.0	T__				15321172	FDSN	IR	--	ISC	iLoc	???	???	_				
GZR	1.60	167.3 Lg	09:42:09.891	0.1	T__				15321173	FDSN	RO	--	BUD	iLoc	BHN	???	_				
(Station ML : 1.9 1)																					
LOT	1.83	145.0 Pn	09:41:50.508	1.0	T__				15321174	FDSN	IR	--	ISC	iLoc	???	???	_				
LOT	1.83	145.0 Pn	09:41:50.508	1.0	T__				15321175	FDSN	IR	--	ISC	iLoc	???	???	_				
LOT	1.83	145.0 Sn	09:42:13.479	-0.7	T__				15321176	FDSN	IR	--	ISC	iLoc	???	???	_				
HERR	2.08	177.3 Pn	09:41:53.432	0.9	T__				15321177	FDSN	IR	--	ISC	iLoc	???	???	_				
HERR	2.08	177.3 Pn	09:41:53.432	0.9	T__				15321178	FDSN	IR	--	ISC	iLoc	???	???	_				
HERR	2.08	177.3 Sn	09:42:19.095	-0.0	T__				15321179	FDSN	IR	--	ISC	iLoc	???	???	_				
BURAR	2.11	70.7 Pn	09:41:54.401	0.9	T__				15321180	FDSN	IR	--	ISC	iLoc	???	???	_				
BURAR	2.11	70.7 Pn	09:41:54.401	0.9	T__				15321181	FDSN	IR	--	ISC	iLoc	???	???	_				
BURAR	2.11	70.7 Sn	09:42:23.256	1.7	T__				15321182	FDSN	IR	--	ISC	iLoc	???	???	_				
ARR	2.28	133.3 Pn	09:41:56.589	0.7	T__				15321183	FDSN	IR	--	ISC	iLoc	???	???	_				
ARR	2.28	133.3 Pn	09:41:56.589	0.7	T__				15321184	FDSN	IR	--	ISC	iLoc	???	???	_				
ARR	2.28	133.3 Sn	09:42:24.564	-0.9	T__				15321185	FDSN	IR	--	ISC	iLoc	???	???	_				
VOIR	2.45	127.3 Pn	09:41:58.768	0.5	T__				15321186	FDSN	IR	--	ISC	iLoc	???	???	_				
VOIR	2.45	127.3 Pn	09:41:58.768	0.5	T__				15321187	FDSN	IR	--	ISC	iLoc	???	???	_				
VOIR	2.45	127.3 Sn	09:42:29.133	-0.9	T__				15321188	FDSN	IR	--	ISC	iLoc	???	???	_				

```

Date       Time      Err  RMS Latitude Longitude Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author      OrigID  Rep  DPdep  Err Sgp
2019/11/08 09:47:15.47  1.11  0.85  47.2280  18.1867  11.1  5.5  87  0.0S  7  5 135  0.14  1.35 m  sx BUD      15321126  iLoc      197
(description : suspected quarry blast)
(locality : Iszkaszentgyörgy Hungary)

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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	0.14	20.4	Pg	09:47:19.313	0.3				T__		358.8			MLv	15321128	FDSN	HU	--	BUD	iLoc	HHN	HHZ	_	
CSKK	0.14	20.4	Lg	09:47:21.681	-0.6				T__						15321129	FDSN	HU	--	BUD	iLoc	HHN	???	_	

HU08A	0.27	318.8	Lg	09:47:26.203	-0.3	T__									15321130	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
MORH	1.06	162.6	Pg	09:47:36.796	0.1	T__				10.0					15321131	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.06	162.6	Sn	09:47:51.402	-1.3	T__									15321132	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOVH	1.14	183.0	Lg	09:47:54.862	-0.2	T__									15321133	FDSN	HU	--	BUD	iLoc	BHE	???	_
PSZ	1.35	58.5	Sn	09:47:59.798	-0.8	T__									15321134	FDSN	GE	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/11/08	09:57:25.82	1.32	0.81	48.2474	21.2640	8.7	6.4	145	0.0S		14	9	89	0.05	1.19	m	kx	BUD	15321228	iLoc		153
2019/11/08	09:57:26.02f		0.66	48.2470	21.2460f				0.0S		14		88	0.05	1.19	a	kx	BUD_GT	15328765	BUD		153

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.3	5 BUD	15321228
ML	1.8	0.3	5 ILOC	15328765

Sta	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	09:57:27.814	0.2					T__		11888.1			MLv	15330680	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
ABAH	0.05	355.1	Lg	09:57:28.450	-0.7					T__						15330681	FDSN	HU	--	BUD	BUD	HHN	???	_
(Station ML : 2.5 0)																								
HU02A	0.50	255.8	Lg	09:57:43.880	-0.8					T__						15330682	FDSN	ZJ	00	BUD	BUD	HHN	???	_
JOS	0.53	298.0	Pg	09:57:37.165	0.4					T__		55.9			MLv	15330683	FDSN	ZJ	--	BUD	BUD	HHZ	HHZ	_
JOS	0.53	298.0	Lg	09:57:44.786	-0.2					T__						15330684	FDSN	ZJ	--	BUD	BUD	HHZ	???	_
(Station ML : 1.5 1)																								
KECS	0.56	295.3	Pg	09:57:37.788	0.5					T__		131.1			MLv	15330685	FDSN	SK	--	BUD	BUD	EHN	EHZ	_
KECS	0.56	295.3	Lg	09:57:45.409	-0.4					T__						15330686	FDSN	SK	--	BUD	BUD	EHE	???	_
(Station ML : 1.9 1)																								
HU05A	0.70	186.1	Sn	09:57:53.738	-1.0					T__						15330687	FDSN	ZJ	00	BUD	BUD	HHN	???	_
HOLU	0.81	69.3	Pg	09:57:42.052	0.4					T__						15330688	FDSN	UA	--	BUD	BUD	MHZ	???	_
TRPA	0.87	97.2	Pn	09:57:43.806	-0.6					T__		27.2			MLv	15330689	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
TRPA	0.87	97.2	Lg	09:57:56.122	-1.4					T__						15330690	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 1.4 0)																								
PSZ	0.96	250.6	Pg	09:57:47.012	0.7					T__		52.9			MLv	15330691	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.96	250.6	Lg	09:58:00.994	0.2					T__						15330692	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.8 1)																								
STZU	1.19	49.4	Pn	09:57:49.774	0.6					T__						15330693	FDSN	UA	--	BUD	BUD	MHZ	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/11/08	11:27:38.66	0.38	0.46	46.1203	21.6175	5.4	1.7	106	17.8F	2.3	13	194		0.15	1.36	a	ke	BUC	15281230	ISC		360
2019/11/08	11:27:38.79	0.80	0.86	46.1175	21.7434	6.1	3.0	79	0.0S		28	8	151	0.16	1.57	m	sx	BUD	15321265	iLoc		216

(description : suspected quarry blast)
 (locality : Lipova Romania)

Magnitude	Err	Nsta	Author	OrigID
ml	1.6		BUC	15281230
ML	1.7	0.3	4 ILOC	15321265

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L		
SIRR	0.16	339.3	Pg	11:27:42.627	0.1					T__		555.1		---	MLv	15321267	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
SIRR	0.16	339.3	Lg	11:27:45.273	-0.4					T__				---		15321268	FDSN	RO	--	BUD	iLoc	BHE	???	_		
SIRR	0.16	338.8	Lg	11:27:46.151	0.4					T__		0.6		---		15321269	FDSN	IR	--	ISC	iLoc	???	???	_		
SIRR	0.16	338.8	Lg	11:27:46.151	0.4					T__				---		15321270	FDSN	IR	--	ISC	iLoc	???	???	_		
(Station ML : 1.5 1)																										
BZS	0.50	188.3	Pg	11:27:49.099	0.3					T__		50.0		_c	MLv	15321271	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
BZS	0.50	188.3	Lg	11:27:55.802	-0.3					T__				---		15321272	FDSN	RO	--	BUD	iLoc	BHN	???	_		
BZS	0.51	190.1	Lg	11:27:56.016	-0.2					T__				---		15321273	FDSN	IR	--	ISC	iLoc	???	???	_		
(Station ML : 1.4 1)																										
DRGR	0.95	44.4	Pg	11:27:57.301	-0.5					T__				---		15321274	FDSN	IR	--	ISC	iLoc	???	???	_		
DRGR	0.95	44.4	Pg	11:27:57.301	-0.5					T__				---		15321275	FDSN	IR	--	ISC	iLoc	???	???	_		
DRGR	0.95	44.4	Lg	11:28:11.300	-0.6					T__				---		15321276	FDSN	IR	--	ISC	iLoc	???	???	_		
DRGR	0.95	44.4	Pn	11:27:58.744	0.2					T__		64.6		---	MLv	15321277	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
DRGR	0.95	44.4	Lg	11:28:11.497	-0.4					T__				---		15321278	FDSN	RO	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.8 1)																										
GZR	1.02	134.7	Pn	11:27:59.950	0.2					T__				---		15321279	FDSN	IR	--	ISC	iLoc	???	???	_		
GZR	1.02	134.7	Pn	11:27:59.950	0.2					T__				---		15321280	FDSN	IR	--	ISC	iLoc	???	???	_		
GZR	1.02	134.7	Pn	11:28:00.602	0.8					T__		65.5		---	MLv	15321281	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
GZR	1.02	134.7	Pn	11:28:01.000	1.2					T__		0.1		---		15321282	FDSN	IR	--	ISC	iLoc	???	???	_		
GZR	1.02	134.7	Lg	11:28:13.004	0.4					T__				---		15321283	FDSN	RO	--	BUD	iLoc	BHN	???	_		
GZR	1.02	134.7	Lg	11:28:13.377	0.8					T__				---		15321284	FDSN	IR	--	ISC	iLoc	???	???	_		
GZR	1.02	134.7	Sg	11:28:14.000	1.4					T__		0.1		---		15321285	FDSN	IR	--	ISC	iLoc	???	???	_		
(Station ML : 1.9 1)																										
MARR	1.10	59.1	Pn	11:28:00.927	0.1					T__				---		15321286	FDSN	IR	--	ISC	iLoc	???	???	_		
MARR	1.10	59.1	Pn	11:28:00.927	0.1					T__				---		15321287	FDSN	IR	--	ISC	iLoc	???	???	_		
MARR	1.10	59.1	Lg	11:28:16.943	0.2					T__				---		15321288	FDSN	IR	--	ISC	iLoc	???	???	_		
HERR	1.32	158.8	Lg	11:28:20.843	-0.7					T__				---		15321289	FDSN	IR	--	ISC	iLoc	???	???	_		
HERR	1.32	158.8	Lg	11:28:20.843	-0.7					T__				---		15321290	FDSN	IR	--	ISC	iLoc	???	???	_		
MDVR	1.34	180.9	Pn	11:28:01.923	-2.1					T__				---		15321291	FDSN	IR	--	ISC	iLoc	???	???	_		
MDVR	1.34	180.9	Pn	11:28:01.923	-2.1					T__				---		15321292	FDSN	IR	--	ISC	iLoc	???	???	_		
MDVR	1.34	180.9	Lg	11:28:21.161	-1.4					T__				---		15321293	FDSN	IR	--	ISC	iLoc	???	???	_		
LOT	1.57	114.6	Lg	11:28:31.581	0.2					T__				---		15321294	FDSN	RO	--	BUD	iLoc	BHE	???	_		

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/11/08 11:57:01.04 3.54 0.65 46.9585 22.3255 28.2 6.6 167 0.0S 8 4 268 0.31 1.60 m sx BUD 15321315 iLoc 314
 (description : suspected quarry blast)
 (locality : Subpiatra Romania)

Magnitude Err Nsta Author OrigID
 ML 1.5 0.4 4 ILOC 15321315

Sta	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	0.31	122.1	Pg	11:57:07.589	0.0					T__		100.4		---	MLv	15321317	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
DRGR	0.31	122.1	Lg	11:57:12.510	-0.4					T__				---		15321318	FDSN	RO	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.2 1)																										
SIRR	0.83	213.6	Pg	11:57:17.933	0.1					T__		21.8		---	MLv	15321319	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
SIRR	0.83	213.6	Lg	11:57:29.481	-1.0					T__				---		15321320	FDSN	RO	--	BUD	iLoc	BHE	???	_		
(Station ML : 1.3 1)																										
BZS	1.42	199.8	Pg	11:57:28.577	0.1					T__		30.9		---	MLv	15321321	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
BZS	1.42	199.8	Sn	11:57:47.054	-0.2					T__				---		15321322	FDSN	RO	--	BUD	iLoc	BHN	???	_		

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(Station ML : 1.8 1
GZR 1.60 168.5 Pg 11:57:32.181 0.9 T__ 32.6 ___ MLv 15321323 FDSN RO -- BUD iLoc BHZ BHZ _
GZR 1.60 168.5 Lg 11:57:53.319 -0.4 T__ ___ 15321324 FDSN RO -- BUD iLoc BHE ??? _

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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
2019/11/08 12:01:36.56 1.08 0.92 47.5749 18.4126 8.9 6.3 95 0.0S 4 4 149 0.07 0.49 m kx BUD 15321342 iLoc 285
2019/11/08 12:01:36.36f 0.75 47.5600 18.4573f 0.0S 4 161 0.09 0.47 a kx BUD_GT 15328773 BUD 274

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

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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 Lg 12:01:41.072 -0.1 T__ 15330694 FDSN ZJ 00 BUD BUD HHE ??? _
CSKK 0.24 214.2 Pg 12:01:41.777 0.1 T__ 284.9 ___ MLv 15330695 FDSN HU -- BUD BUD HHZ HHZ _
SRO 0.27 339.1 Lg 12:01:46.006 -1.3 T__ 15330696 FDSN SK -- BUD BUD EHZ ??? _
HU10A 0.47 52.8 Lg 12:01:55.134 0.8 T__ ___ 15330697 FDSN ZJ 00 BUD BUD 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
2019/11/10 08:31:29.60 0.40 45.6880 18.9490 0.1 0.0 0.0F 0.0 18 0.80 2.83 a ke BEO 15281277 ISC 360
2019/11/10 08:31:29.50 0.52 45.6900 18.8110 0.1 0.0 6.3F 3.7 10 0.53 2.11 a ke RHSSO 15281274 ISC 360
2019/11/10 08:31:30.58 0.79 0.31 45.8236 18.7134 8.6 2.9 157 11.4F 3.2 15 6 2.50 2.87 a ke VIE 15281280 ISC 360
2019/11/10 08:31:28.64 0.63 1.74 45.7228 18.9295 4.2 3.2 36 1.7F 0.5 97 46 36 0.53 3.25 m ke BUD 15321415 iLoc 55

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Magnitude Err Nsta Author OrigID
ML 2.1 BEO 15281277
ML 2.0 RHSSO 15281274
mb 2.3 VIE 15281280
ml 1.9 VIE 15281280
ML 2.6 0.2 20 ILOC 15321415

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Sta 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 0.53 338.0 Pg 08:31:39.500 0.2 T__ 15321417 FDSN IR -- ISC iLoc ??? ??? _
MORH 0.53 338.1 Pg 08:31:39.651 0.4 T__ 118.8 ___ MLv 15321418 FDSN HU -- BUD iLoc BHZ BHZ _
MORH 0.53 338.1 Lg 08:31:47.198 0.0 T__ ___ 15321419 FDSN HU -- BUD iLoc BHE ??? _
(Station ML : 1.9 0
HU22A 0.62 13.0 Pn 08:31:42.129 -0.6 T__ 1935.7 ___ MLv 15321420 FDSN ZJ 00 BUD iLoc HHZ HHZ _
HU22A 0.62 13.0 Sn 08:31:52.578 -1.3 T__ ___ 15321421 FDSN ZJ 00 BUD iLoc HHE ??? _
(Station ML : 3.1 0
KOVH 0.68 302.6 Pg 08:31:41.747 -0.7 T__ 309.1 ___ MLv 15321422 FDSN HU -- BUD iLoc BHZ BHZ _
KOVH 0.68 302.6 Lg 08:31:50.817 -1.0 T__ ___ 15321423 FDSN HU -- BUD iLoc BHN ??? _
(Station ML : 2.4 1
HU21A 0.83 42.1 Pg 08:31:46.229 1.1 T__ 319.5 ___ MLv 15321424 FDSN ZJ 00 BUD iLoc HHZ HHZ _
HU21A 0.83 42.1 Sn 08:31:58.260 -0.7 T__ ___ 15321425 FDSN ZJ 00 BUD iLoc HHE ??? _
(Station ML : 2.5 1
FRGS 0.84 132.0 Pg 08:31:45.100 0.5 T__ ___ 15321426 FDSN IR -- ISC iLoc ??? ??? _
FRGS 0.84 132.0 Sn 08:31:55.300 -4.3 T__ ___ 15321427 FDSN IR -- ISC iLoc ??? ??? _

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FRGS	0.87	132.3	Pg	08:31:45.205	-0.1	T__	202.6	___	MLv	15321428	FDSN	SJ	--	BUD	iLoc	HHZ	HHZ	_
FRGS	0.87	132.3	Sn	08:31:56.262	-4.4	T__		---		15321429	FDSN	SJ	--	BUD	iLoc	HHN	???	_
(Station ML : 2.3 0)																		
A266A	0.93	330.3	Pg	08:31:47.417	0.4	T__	446.3	---	MLv	15321430	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A266A	0.93	330.3	Sn	08:32:02.436	1.0	T__		---		15321431	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 2.7 1)																		
A265A	1.06	312.0	Pn	08:31:48.963	0.1	T__	317.4	---	MLv	15321432	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A265A	1.06	312.0	Lg	08:32:05.764	1.5	T__		---		15321433	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 2.6 1)																		
HU04A	1.15	19.0	Lg	08:32:09.275	-0.2	T__		---		15321434	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
TEKS	1.25	159.9	Pn	08:31:51.900	0.2	T__		---		15321435	FDSN	IR	--	ISC	iLoc	???	???	_
TEKS	1.25	159.9	Sn	08:32:07.800	-1.7	T__		---		15321436	FDSN	IR	--	ISC	iLoc	???	???	_
A267A	1.26	345.9	Lg	08:32:12.326	-0.3	T__		---		15321437	FDSN	Z3	00	BUD	iLoc	HHE	???	_
SLATY	1.46	232.7	Pn	08:31:54.100	-0.8	T__		---		15321438	FDSN	IR	--	ISC	iLoc	???	???	_
SLATY	1.46	232.7	Sn	08:32:13.100	-1.4	T__		---		15321439	FDSN	IR	--	ISC	iLoc	???	???	_
AVAS	1.52	132.0	Pg	08:31:57.500	0.8	T__		---		15321440	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	1.53	266.7	Pg	08:31:57.820	0.0	T__		---		15321441	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	1.53	266.7	Sn	08:32:16.290	-0.2	T__		---		15321442	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	1.55	233.5	Pn	08:31:56.995	0.8	T__	91.1	---	MLv	15321443	FDSN	MN	--	BUD	iLoc	BHN	BHZ	_
BLY	1.55	233.5	Lg	08:32:17.887	-0.7	T__		---		15321444	FDSN	MN	--	BUD	iLoc	BHN	???	_
BLY	1.57	232.3	Pn	08:31:56.400	-0.1	T__		---		15321445	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	1.57	232.3	Sn	08:32:16.800	-0.6	T__		---		15321446	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.3 1)																		
BEHE	1.67	297.3	Pn	08:31:57.319	-0.4	T__	97.0	---	MLv	15321447	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BEHE	1.67	297.3	Lg	08:32:24.474	1.4	T__		---		15321448	FDSN	HU	--	BUD	iLoc	BHN	???	_
BEHE	1.67	297.3	Pn	08:31:58.100	0.4	T__		---		15321449	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	1.67	297.3	Sn	08:32:19.900	0.3	T__		---		15321450	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.4 1)																		
CSKK	1.70	344.5	Pg	08:32:00.000	-1.2	T__	2.4	---		15321451	FDSN	IR	--	ISC	iLoc	???	???	_
CSKK	1.70	344.5	Pg	08:31:59.749	-1.5	T__	66.8	---	MLv	15321452	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.3 0)																		
KALN	1.77	284.2	Pg	08:32:03.480	1.1	T__		---		15321453	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	1.77	284.2	Lg	08:32:25.220	-1.0	T__		---		15321454	FDSN	IR	--	ISC	iLoc	???	???	_
DIVS	1.79	154.7	Pg	08:32:01.700	0.4	T__		---		15321455	FDSN	IR	--	ISC	iLoc	???	???	_
DIVS	1.79	154.7	Sn	08:32:23.400	0.2	T__		---		15321456	FDSN	IR	--	ISC	iLoc	???	???	_
BBLs	1.89	169.4	Pn	08:32:01.174	0.5	T__	441.4	---	MLv	15321457	FDSN	SJ	--	BUD	iLoc	BHZ	BHZ	_
BBLs	1.89	169.4	Sn	08:32:28.303	3.6	T__		---		15321458	FDSN	SJ	--	BUD	iLoc	BHE	???	_
(Station ML : 3.2 0)																		
BZS	1.89	92.3	Pg	08:32:04.255	0.2	T__		---		15321459	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.89	92.3	Pb	08:32:04.500	0.5	T__		---		15321460	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.89	92.3	Sn	08:32:25.800	0.6	T__		---		15321461	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.89	92.3	Lg	08:32:29.886	-1.5	T__		---		15321462	FDSN	IR	--	ISC	iLoc	???	???	_
BBLs	1.89	169.5	Pg	08:32:02.600	-0.4	T__		---		15321463	FDSN	IR	--	ISC	iLoc	???	???	_
BBLs	1.89	169.5	Sn	08:32:28.100	2.9	T__		---		15321464	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.90	92.2	Pn	08:32:01.791	1.0	T__	39.0	---	MLv	15321465	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	1.90	92.2	Pg	08:32:04.697	0.4	T__		---		15321466	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	1.90	92.2	Sn	08:32:28.354	2.8	T__		---		15321467	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 2.1 0)																		
SIRR	1.98	73.1	Pn	08:32:04.400	2.5	T__		---		15321468	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.98	73.1	Pg	08:32:05.920	-0.6	T__		---		15321469	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.98	73.1	Sn	08:32:30.000	2.6	T__		---		15321470	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.98	73.1	Lg	08:32:32.096	-2.8	T__		---		15321471	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	2.00	292.2	Pn	08:32:01.342	-0.9	T__	461.6	---	MLv	15321472	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_

KOGS	2.00	292.2	Pg	08:32:08.812	2.6	T__			15321473	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	2.00	292.2	Lg	08:32:33.896	1.2	T__			15321474	FDSN	SL	--	BUD	iLoc	BHN	???	_
(Station ML : 3.3 0)																	
LOBO	2.04	283.2	Pg	08:32:06.700	-0.2	T__			15321475	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	2.04	283.2	Lg	08:32:31.370	-2.8	T__			15321476	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	2.08	276.1	Lg	08:32:33.695	-1.7	T__			15321477	FDSN	CR	--	BUD	iLoc	BHN	???	_
PTJ	2.08	276.1	Pg	08:32:06.390	-1.3	T__			15321478	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	2.08	276.1	Sn	08:32:31.580	1.5	T__			15321479	FDSN	IR	--	ISC	iLoc	???	???	_
RUDO	2.13	171.4	Pn	08:32:05.500	1.3	T__			15321480	FDSN	IR	--	ISC	iLoc	???	???	_
RUDO	2.13	171.4	Sn	08:32:31.400	0.5	T__			15321481	FDSN	IR	--	ISC	iLoc	???	???	_
GRUS	2.23	144.6	Pn	08:32:07.400	2.0	T__			15321482	FDSN	IR	--	ISC	iLoc	???	???	_
GRUS	2.23	144.6	Sn	08:32:39.100	5.9	T__			15321483	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	2.24	88.1	Sn	08:32:37.445	3.8	T__			15321484	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	2.29	16.4	Pn	08:32:06.101	-0.2	T__	45.2	MLv	15321485	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	2.29	16.4	Sn	08:32:34.040	-1.3	T__			15321486	FDSN	GE	--	BUD	iLoc	BHE	???	_
PSZ	2.29	16.4	Lg	08:32:45.675	-1.5	T__			15321487	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 2.4 1)																	
CRES	2.43	273.7	Pg	08:32:14.088	0.6	T__	276.0	MLv	15321488	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	2.43	273.7	Lg	08:32:46.782	-0.1	T__			15321489	FDSN	SL	--	BUD	iLoc	BHN	???	_
(Station ML : 3.3 0)																	
KIJV	2.48	227.2	Pn	08:32:09.550	-0.2	T__			15321490	FDSN	IR	--	ISC	iLoc	???	???	_
KIJV	2.48	227.2	Sn	08:32:37.790	-3.4	T__			15321491	FDSN	IR	--	ISC	iLoc	???	???	_
A336A	2.51	1.1	Pn	08:32:10.218	1.1	T__	41.4	MLv	15321492	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A336A	2.51	1.1	Sn	08:32:40.661	0.1	T__			15321493	FDSN	Z3	00	BUD	iLoc	HH3	???	_
(Station ML : 2.5 1)																	
RONA	2.68	318.5	Pn	08:32:11.661	-0.1	T__	1.4	0.12	15321494	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	2.72	95.6	Pn	08:32:16.152	3.5	T__			15321495	FDSN	IR	--	ISC	iLoc	???	???	_
A335A	2.76	351.7	Pn	08:32:13.449	0.8	T__	56.0	MLv	15321496	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.8 1)																	
ARSA	2.81	304.2	Pn	08:32:13.075	-0.4	T__	37.5	MLv	15321497	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
ARSA	2.81	304.2	Sn	08:32:45.327	-1.2	T__	0.8	0.32	15321498	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.6 1)																	
DRGR	2.83	66.5	Pn	08:32:14.800	0.8	T__			15321499	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	2.83	66.5	Pg	08:32:15.102	-7.8	---			15321500	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	2.83	66.5	Pn	08:32:13.382	-0.6	T__	49.3	MLv	15321501	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 2.8 1)																	
MODS	2.88	337.5	Pn	08:32:15.099	0.6	T__			15321502	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MORI	2.95	232.2	Pn	08:32:16.870	0.7	T__			15321503	FDSN	IR	--	ISC	iLoc	???	???	_
MORI	2.95	232.2	Sn	08:32:49.920	-3.1	T__			15321504	FDSN	IR	--	ISC	iLoc	???	???	_
JOS	2.98	21.0	Sn	08:32:50.581	-0.6	T__			15321505	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
CONA	3.05	317.4	Pn	08:32:16.773	-0.2	T__	71.8	MLv	15321506	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
CONA	3.05	317.4	Pn	08:32:16.645	-0.3	T__	0.4	0.10	15321507	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 3.1 1)																	
VIRC	3.10	243.9	Pn	08:32:17.850	-0.0	T__			15321508	FDSN	IR	--	ISC	iLoc	???	???	_
VIRC	3.10	243.9	Sn	08:32:53.190	-2.6	T__			15321509	FDSN	IR	--	ISC	iLoc	???	???	_
DBRK	3.10	190.7	Pn	08:32:17.780	-0.7	T__			15321510	FDSN	IR	--	ISC	iLoc	???	???	_
DBRK	3.10	190.7	Sn	08:32:52.850	-3.9	T__			15321511	FDSN	IR	--	ISC	iLoc	???	???	_
ZIRJ	3.13	229.7	Pn	08:32:17.990	-0.7	T__			15321512	FDSN	IR	--	ISC	iLoc	???	???	_
ZIRJ	3.13	229.7	Sn	08:32:53.190	-4.5	T__			15321513	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	3.25	345.2	Pn	08:32:20.453	0.6	T__			15321514	FDSN	CZ	--	BUD	iLoc	BHZ	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/11/11	08:48:44.12	1.42	3.05	47.3751	18.4583	5.7	4.4	154	0.0A	7	155	0.13	1.31	a	qx	KRSZO	15281396	ISC				360
2019/11/11	08:48:44.27	1.57	0.75	47.3436	18.4256	12.1	4.7	155	0.0S	9	6	112	0.11	1.28	m	sx	BUD	15321352	iLoc			164

(description : suspected quarry blast)
(locality : Gánt Hungary)

Magnitude	Err	Nsta	Author	OrigID																				
Sta	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	280.0	Pg	08:48:47.384	0.2					T__		1441.7		---	MLv	15321354	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.11	280.0	Lg	08:48:49.480	-0.5					T__				---		15321355	FDSN	HU	--	BUD	iLoc	HHE	???	_
CSKK	0.11	279.9	Pg	08:48:47.526	0.3					T__		5160.1		---		15321356	FDSN	IR	--	ISC	iLoc	???	???	_
CSKK	0.11	279.9	Lg	08:48:49.358	-0.6					T__				---		15321357	FDSN	IR	--	ISC	iLoc	???	???	_
HU09A	0.30	354.3	Lg	08:48:56.375	0.2					T__				---		15321358	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
A336A	0.97	23.3	Lg	08:49:18.710	-0.3					T__				---		15321359	FDSN	Z3	00	BUD	iLoc	HH3	???	_
MORH	1.14	172.3	Sn	08:49:24.676	1.2					T__				---		15321360	FDSN	HU	--	BUD	iLoc	BHE	???	_
PSZ	1.15	59.4	Lg	08:49:25.541	-0.1					T__				---		15321361	FDSN	GE	--	BUD	iLoc	BHE	???	_
KOVH	1.28	190.2	Sn	08:49:27.882	1.0					T__				---		15321362	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/11/11	08:50:01.73	1.01	0.63	48.1172	21.3257	8.4	3.8	6	0.0S	16	9	114	0.19	1.63	m	sx	BUD	15321368	iLoc				150

(description : suspected quarry blast)
(locality : Tarcál Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.2	7 ILOC	15321368

Sta	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	342.2	Pg	08:50:06.111	0.1					T__		487.4		---	MLv	15321370	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.19	342.2	Lg	08:50:09.762	0.0					T__				---		15321371	FDSN	HU	--	BUD	iLoc	HHN	???	_
				(Station ML : 1.5 1																				
HU07A	0.42	108.8	Pg	08:50:10.963	0.5					T__		325.0		---	MLv	15321372	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
				(Station ML : 2.0 0																				
HU02A	0.54	270.8	Pg	08:50:13.181	0.1					T__		46.8		---	MLv	15321373	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.54	270.8	Lg	08:50:20.809	-0.9					T__				---		15321374	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
				(Station ML : 1.5 1																				
JOS	0.65	306.0	Pg	08:50:14.894	0.2					T__		62.5		---	MLv	15321375	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.65	306.0	Lg	08:50:24.056	-0.5					T__				---		15321376	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
				(Station ML : 1.7 1																				
KECS	0.67	303.5	Pg	08:50:15.688	0.5					T__		99.3		---	MLv	15321377	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.67	303.5	Lg	08:50:25.061	-0.3					T__				---		15321378	FDSN	SK	--	BUD	iLoc	EHE	???	_
				(Station ML : 1.9 1																				
TRPA	0.81	88.6	Pg	08:50:17.657	0.0					T__		24.2		---	MLv	15321379	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
TRPA	0.81	88.6	Lg	08:50:30.308	-1.1					T__				---		15321380	FDSN	HU	--	BUD	iLoc	BHE	???	_
				(Station ML : 1.3 0																				
HOLU	0.82	59.5	Pn	08:50:19.095	-0.2					T__				---		15321381	FDSN	UA	--	BUD	iLoc	MHZ	???	_
HOLU	0.82	59.5	Lg	08:50:30.250	-1.0					T__				---		15321382	FDSN	UA	--	BUD	iLoc	MHZ	???	_
PSZ	0.98	258.8	Pg	08:50:23.160	0.7					T__		57.1		---	MLv	15321383	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.98	258.8	Lg	08:50:36.788	-0.3					T__				---		15321384	FDSN	GE	--	BUD	iLoc	BHE	???	_
				(Station ML : 1.8 1																				
DRGR	1.63	144.2	Sn	08:50:52.989	-0.5					T__				---		15321385	FDSN	RO	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/11/12	05:46:22.20			47.5300	18.2500				1.0A		8					a	ke PRU	15281403	ISC			360
2019/11/12	05:46:22.37	0.50	2.29	47.5535	18.4469	4.2	2.5	10	0.0F	0.0	10		6	1.46	2.00	a	sx VIE	15281405	ISC			360
2019/11/12	05:46:22.07	0.73	1.24	47.5444	18.4363	2.8	2.4	126	2.4F	0.2	48	32	39	0.10	3.40	m	ke BUD	15321600	iLoc			59

Magnitude	Err	Nsta	Author	OrigID
m1	2.1		VIE	15281405
ML	2.3	0.1	16 ILOC	15321600

Sta	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	338.9	Pg	05:46:24.643	0.3					T__		17140.1		___	MLv	15321602	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU09A	0.10	338.9	Lg	05:46:26.209	-0.2					T__				---		15321603	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 2.8 0)																								
CSKK	0.22	213.4	Pg	05:46:26.635	-0.0					T__		2606.8		___	MLv	15321604	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.22	213.4	Lg	05:46:30.066	-0.5					T__				---		15321605	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 2.3 1)																								
SRO	0.28	342.9	Pg	05:46:28.459	0.6					T__		1985.8		___	MLv	15321606	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 2.4 1)																								
HU08A	0.37	252.2	Pg	05:46:29.053	-0.5					T__		191.4		___	MLv	15321607	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU08A	0.37	252.2	Lg	05:46:34.768	-0.7					T__				---		15321608	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.6 0)																								
BUD	0.40	98.5	Pg	05:46:29.655	-0.8					T__		701.1		___	MLv	15321609	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BUD	0.40	98.5	Lg	05:46:35.505	-1.5					T__				---		15321610	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 2.3 1)																								
A338A	0.47	353.2	Lg	05:46:39.095	-0.3					T__				---		15321611	FDSN	Z3	00	BUD	iLoc	HH2	???	_
HU10A	0.50	52.4	Pg	05:46:32.752	0.5					T__		274.7		___	MLv	15321612	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU10A	0.50	52.4	Lg	05:46:40.729	0.6					T__				---		15321613	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 2.1 1)																								
A267A	0.60	177.0	Pg	05:46:35.034	1.1					T__		222.0		___	MLv	15321614	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A267A	0.60	177.0	Lg	05:46:43.919	0.5					T__				---		15321615	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 2.2 1)																								
A339A	0.60	298.7	Lg	05:46:44.634	1.4					T__				---		15321616	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A336A	0.79	28.6	Pg	05:46:38.482	0.6					T__		410.2		___	MLv	15321617	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A336A	0.79	28.6	Lg	05:46:48.664	-1.2					T__				---		15321618	FDSN	Z3	00	BUD	iLoc	HH2	???	_
(Station ML : 2.6 0)																								
HU03A	0.86	65.0	Pg	05:46:39.997	0.1					T__		142.0		___	MLv	15321619	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.86	65.0	Sn	05:46:54.091	0.2					T__				---		15321620	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 2.1 1)																								
A335A	0.91	355.8	Pg	05:46:40.278	0.1					T__		203.1		___	MLv	15321621	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A335A	0.91	355.8	Lg	05:46:53.171	-0.7					T__				---		15321622	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 2.3 1)																								
A003A	0.96	283.4	Sn	05:46:55.571	-0.5					T__				---		15321623	FDSN	Z3	00	BUD	iLoc	HH2	???	_
PSZ	1.05	68.6	Pn	05:46:43.283	0.6					T__		102.9		___	MLv	15321624	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	1.05	68.6	Sn	05:46:58.943	-0.2					T__				---		15321625	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 2.1 0)																								
A261A	1.06	236.4	Pg	05:46:43.939	1.0					T__		165.5		___	MLv	15321626	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.3 1)																								
ZST	1.11	306.5	Pn	05:46:43.548	0.0					T__				---		15321627	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	1.11	306.5	Lg	05:46:58.262	-1.9					T__				---		15321628	FDSN	SK	--	BUD	iLoc	HHN	???	_
MODS	1.14	317.2	Pn	05:46:43.913	-0.1					T__				---		15321629	FDSN	SK	--	BUD	iLoc	HHZ	???	_

MODS	1.14	317.2	Sn	05:46:59.952	-1.2	T__	---	15321630	FDSN	SK	--	BUD	iLoc	HHN	???	_		
A265A	1.20	201.6	Lg	05:47:04.386	1.5	T__	---	15321631	FDSN	Z3	00	BUD	iLoc	HHN	???	_		
HU23A	1.23	84.9	Sn	05:47:04.589	2.0	T__	---	15321632	FDSN	ZJ	00	BUD	iLoc	HHE	???	_		
SOP	1.28	276.9	Lg	05:47:02.529	-1.4	T__	---	15321633	FDSN	HU	--	BUD	iLoc	BHE	???	_		
HU22A	1.31	158.4	Sn	05:47:05.260	0.8	T__	---	15321634	FDSN	ZJ	00	BUD	iLoc	HHN	???	_		
MORH	1.34	173.8	Pn	05:46:46.947	0.7	T__	42.5	---	MLv	15321635	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.34	173.8	Sn	05:47:03.919	-1.3	T__	---	15321636	FDSN	HU	--	BUD	iLoc	BHE	???	_		
(Station ML : 1.9 0)																		
RONA	1.46	276.9	Pn	05:46:49.681	1.3	T__	0.5	0.14	---	15321637	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.46	276.9	Sn	05:47:06.541	-1.8	T__	3.8	0.18	---	15321638	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	1.47	189.1	Pg	05:46:51.717	0.9	T__	64.5	---	MLv	15321639	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	1.47	189.1	Sn	05:47:07.455	-1.2	T__	---	15321640	FDSN	HU	--	BUD	iLoc	BHE	???	_		
(Station ML : 2.1 1)																		
BEHE	1.56	227.2	Sn	05:47:11.575	0.9	T__	---	15321641	FDSN	HU	--	BUD	iLoc	BHE	???	_		
KECS	1.67	54.9	Pn	05:46:52.473	1.4	T__	83.7	---	MLv	15321642	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
(Station ML : 2.3 1)																		
A001A	1.71	314.5	Sn	05:47:15.005	-0.2	T__	---	15321643	FDSN	Z3	00	BUD	iLoc	HH2	???	_		
CONA	1.78	283.4	Lg	05:47:20.353	-0.7	T__	---	15321644	FDSN	OE	--	BUD	iLoc	BHN	???	_		
CONA	1.78	283.4	Pg	05:46:55.854	-0.9	T__	0.3	0.14	---	15321645	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	2.00	262.6	Sn	05:47:21.781	0.6	T__	2.8	0.44	---	15321646	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	2.15	325.9	Pn	05:46:59.222	1.2	T__	---	15321647	FDSN	CZ	--	BUD	iLoc	BHZ	???	_		
SIRR	2.56	118.9	Pn	05:47:04.566	1.2	T__	43.5	---	MLv	15321648	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 2.6 0)																		
ZVC	3.40	305.5	Lg	05:48:07.400	-5.0	T__	---	15321649	FDSN	IR	--	ISC	iLoc	???	???	_		
KHC	3.61	297.9	Lg	05:48:12.200	-7.2	---	---	15321650	FDSN	IR	--	ISC	iLoc	???	???	_		

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/11/12 09:32:58.99 1.29 0.43 48.5126 20.7704 10.7 3.6 12 0.0S 10 6 142 0.16 0.96 m sx BUD 15321720 iLoc 221
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.7 0.0 5 ILOC 15321720

Sta	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	263.8	Pg	09:33:02.365	0.0	T__	---	---	---	---	---	359.3	---	MLv	15321722	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_	
JOS	0.16	263.8	Lg	09:33:05.472	0.5	T__	---	---	---	---	---	---	---	---	15321723	FDSN	ZJ	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.3 0)																								
KECS	0.19	261.3	Pg	09:33:02.907	-0.1	T__	---	---	---	---	---	719.0	---	MLv	15321724	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_	
KECS	0.19	261.3	Lg	09:33:05.778	-0.5	T__	---	---	---	---	---	---	---	---	15321725	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Station ML : 1.7 1)																								
ABAH	0.38	124.5	Pg	09:33:06.919	0.1	T__	---	---	---	---	---	104.7	---	MLv	15321726	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ABAH	0.38	124.5	Lg	09:33:13.232	-0.3	T__	---	---	---	---	---	---	---	---	15321727	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.4 1)																								
HU02A	0.42	202.8	Lg	09:33:15.006	0.0	T__	---	---	---	---	---	---	---	---	15321728	FDSN	ZJ	00	BUD	iLoc	HHE	???	_	
PSZ	0.83	224.9	Pg	09:33:16.247	-0.4	T__	---	---	---	---	---	69.1	---	MLv	15321729	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	0.83	224.9	Lg	09:33:29.869	0.6	T__	---	---	---	---	---	---	---	---	15321730	FDSN	GE	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.8 0)																								
NIE	0.96	341.8	Pn	09:33:19.216	0.4	T__	---	---	---	---	---	43.5	---	MLv	15321731	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/11/13	02:29:27.97	1.58	0.67	47.7362	20.3893	17.1	8.3	41	15.9F	10.4	8	4	251	0.09	0.38	m	ke BUD	15321775	iLoc			326

Magnitude	Err	Nsta	Author	OrigID
ML	1.0	0.0	4 ILOC	15321775

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TENKA	0.09	198.8	Pg	02:29:32.042	0.5				T__			286.6		---	MLv	15321777	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.09	198.8	Lg	02:29:34.133	-0.1				T__					---		15321778	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.0 1																								
ATAN2	0.13	190.3	Pg	02:29:32.062	-0.0				T__			199.4		---	MLv	15321779	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN2	0.13	190.3	Lg	02:29:34.235	-0.8				T__					---		15321780	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 0.9 1																								
HU23A	0.14	224.2	Pg	02:29:32.542	0.3				T__			184.7		---	MLv	15321781	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.14	224.2	Lg	02:29:35.062	-0.2				T__					---		15321782	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 0.9 1																								
PSZ	0.38	298.8	Pn	02:29:39.041	0.2				T__			78.7		---	MLv	15321783	FDSN	GE	--	BUD	iLoc	HHZ	HHZ	_
PSZ	0.38	298.8	Lg	02:29:42.042	-0.9				T__					---		15321784	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
2019/11/13	08:27:27.96	2.96	0.30	47.6549	20.3797	16.8	8.2	53	16.6F	12.5	7	4	251	0.02	0.42	m	ke BUD	15321753	iLoc			310

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.4	3 ILOC	15321753

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TENKA	0.02	268.3	Pg	08:27:31.391	0.2				T__			1370.2		---	MLv	15321755	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.02	268.3	Lg	08:27:33.424	-0.2				T__					---		15321756	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.5 1																								
ATAN2	0.05	200.7	Pg	08:27:31.441	0.1				T__			2365.1		---	MLv	15321757	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN2	0.05	200.7	Lg	08:27:33.582	-0.2				T__					---		15321758	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.8 1																								
HU23A	0.09	259.8	Pg	08:27:31.901	0.2				T__			483.8		---	MLv	15321759	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.09	259.8	Lg	08:27:34.374	-0.1				T__					---		15321760	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 1.2 1																								
PSZ	0.42	309.0	Lg	08:27:43.884	-0.3				T__					---		15321761	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
2019/11/13	11:19:25.73	1.07	0.65	47.8421	19.1170	6.9	3.7	174	0.0S		8	4	191	0.07	1.15	m	sx BUD	15321802	iLoc			267

(description : suspected quarry blast)
(locality : Sejce-Vác Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.2	4 ILOC	15321802

Sta	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	0.07	272.7	Pg	11:19:27.585	0.0				T__			4366.7		---	MLv	15321804	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_

HU10A	0.07	272.7	Lg	11:19:29.586	0.2	T__								15321805	FDSN	ZJ	00	BUD	iLoc	HHE	???	_	
(Station ML : 2.1 1																							
A336A	0.40	348.6	Pg	11:19:34.384	0.3	T__	182.1								15321806	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A336A	0.40	348.6	Lg	11:19:39.986	-0.5	T__									15321807	FDSN	Z3	00	BUD	iLoc	HH3	???	_
(Station ML : 1.7 1																							
PSZ	0.53	81.4	Pg	11:19:37.603	0.4	T__	67.4								15321808	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.53	81.4	Lg	11:19:45.033	-0.7	T__									15321809	FDSN	GE	--	BUD	iLoc	BHZ	???	_
(Station ML : 1.6 1																							
JOS	1.15	55.0	Pn	11:19:47.911	-0.1	T__	54.2								15321810	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	1.15	55.0	Sn	11:20:04.622	-1.0	T__									15321811	FDSN	ZJ	--	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
 2019/11/14 08:39:16.10 1.22 0.92 48.5024 20.7217 8.5 3.8 12 0.0S 10 6 172 0.12 1.05 m sx BUD 15321829 iLoc 250
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.2 0.3 6 ILOC 15321829

Sta	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	266.8	Pg	08:39:19.225	0.4					T__		169.8			MLv	15321831	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
(Station ML : 0.9 1																								
KECS	0.16	263.1	Pg	08:39:19.672	0.2					T__		385.5			MLv	15321832	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.16	263.1	Lg	08:39:22.191	-0.0					T__						15321833	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.3 1																								
ABAH	0.40	120.7	Pg	08:39:24.557	0.2					T__		55.9			MLv	15321834	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.40	120.7	Lg	08:39:31.224	-0.2					T__						15321835	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.2 1																								
HU02A	0.40	199.1	Pg	08:39:25.061	0.3					T__		26.7			MLv	15321836	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.40	199.1	Lg	08:39:32.022	0.6					T__						15321837	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 0.8 0																								
PSZ	0.80	223.7	Pg	08:39:32.624	-0.5					T__		54.7			MLv	15321838	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.80	223.7	Lg	08:39:44.227	-1.1					T__						15321839	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.7 0																								
LANS	1.05	308.5	Pn	08:39:35.423	-1.9					T__		28.6			MLv	15321840	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/11/14 08:41:02.36 1.10 0.51 47.8403 19.1424 7.0 3.8 175 0.0S 6 3 192 0.08 0.51 m sx BUD 15321866 iLoc 287
 (description : suspected quarry blast)
 (locality : Sejce-Vác Hungary)

Magnitude Err Nsta Author OrigID
 ML 1.5 0.1 3 ILOC 15321866

Sta	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	273.4	Pg	08:41:04.804	0.2					T__		2545.4			MLv	15321868	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU10A	0.08	273.4	Lg	08:41:06.041	-0.5					T__						15321869	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.9 1																								

A336A	0.40	346.3	Pg	08:41:11.125	0.3	T__	116.2	___	MLv	15321870	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A336A	0.40	346.3	Lg	08:41:16.811	-0.5	T__		---		15321871	FDSN	Z3	00	BUD	iLoc	HH3	???	_
(Station ML : 1.5 1)																		
PSZ	0.51	80.9	Pg	08:41:13.465	-0.1	T__	63.8	___	MLv	15321872	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.51	80.9	Lg	08:41:22.015	0.2	T__		---		15321873	FDSN	GE	--	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
2019/11/14	10:04:58.95	1.03	1.18	47.8611	19.4088	7.1	2.9	175	0.0S		13	8	186	0.14	1.67	m	kx	BUD	15321887	iLoc		210
2019/11/14	10:04:58.94	1.56	0.82	47.9165	19.4016	4.4	2.0	88	0.0A		7		199	0.33	1.62	a	ke	KRSZO	15281443	ISC		360
2019/11/14	10:04:59.18f		0.96	47.8920	19.4049f				0.0S		13		174	0.13	1.64	a	kx	BUD_GT	15328789	BUD		204

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.0	5 BUD	15321887
ML	1.8	0.0	5 ILOC	15328789

Sta	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	10:05:03.809	1.4					T__		1320.6		___	MLv	15330698	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_	
(Station ML : 1.8 1)																									
HU10A	0.26	259.9	Pg	10:05:04.769	-0.2					T__		985.4		___	MLv	15330699	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_	
HU10A	0.26	259.9	Lg	10:05:09.814	0.1					T__				---		15330700	FDSN	ZJ	00	BUD	BUD	HHE	???	_	
(Station ML : 2.0 0)																									
PSZ	0.33	85.2	Pg	10:05:06.306	-0.4					T__		142.0		___	MLv	15330701	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_	
PSZ	0.33	85.2	Pg	10:05:06.514	-0.2					T__		14.2		---		15330703	FDSN	IR	--	ISC	BUD	???	???	_	
PSZ	0.33	85.2	Lg	10:05:11.195	-1.2					T__				---		15330702	FDSN	GE	--	BUD	BUD	BHN	???	_	
(Station ML : 1.4 0)																									
A336A	0.44	321.6	Pg	10:05:09.528	1.3					T__		303.5		___	MLv	15330704	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_	
A336A	0.44	321.6	Lg	10:05:14.631	-0.6					T__				---		15330705	FDSN	Z3	00	BUD	BUD	HH3	???	_	
(Station ML : 2.0 1)																									
JOS	0.97	51.0	Pg	10:05:18.544	0.1					T__		52.2		___	MLv	15330706	FDSN	ZJ	--	BUD	BUD	HHZ	HHZ	_	
JOS	0.97	51.0	Lg	10:05:32.149	-1.4					T__				---		15330707	FDSN	ZJ	--	BUD	BUD	HHN	???	_	
(Station ML : 1.8 1)																									
MODS	1.50	289.4	Sn	10:05:49.669	1.3					T__				---		15330708	FDSN	SK	--	BUD	BUD	HHN	???	_	
JAVC	1.51	310.6	Sn	10:05:50.585	1.5					T__				---		15330709	FDSN	CZ	--	BUD	BUD	BHN	???	_	
NIE	1.64	21.2	Lg	10:05:53.536	-0.6					T__				---		15330710	FDSN	PL	--	BUD	BUD	BHE	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/11/14	10:54:18.63	1.53	0.73	48.5434	20.7883	11.1	3.8	10	0.0S		10	5	235	0.17	0.87	m	sx	BUD	15321924	iLoc		308
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.1	5 ILOC	15321924

Sta	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	254.1	Pg	10:54:22.351	0.0					T__		386.1		___	MLv	15321926	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_

JOS	0.17	254.1	Lg	10:54:26.173	0.9	T__	---	15321927	FDSN	ZJ	--	BUD	iLoc	HHN	???	_		
(Station ML : 1.4 1																		
KECS	0.21	253.5	Pg	10:54:22.990	-0.1	T__	990.2	---	MLv	15321928	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.21	253.5	Lg	10:54:25.753	-0.7	T__	---	---	---	15321929	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.9 0																		
ABAH	0.39	129.3	Pg	10:54:27.043	0.4	T__	89.3	---	MLv	15321930	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.39	129.3	Lg	10:54:32.267	-1.2	T__	---	---	---	15321931	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.3 1																		
HU02A	0.46	202.7	Pg	10:54:28.618	0.3	T__	46.1	---	MLv	15321932	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.46	202.7	Lg	10:54:35.633	-0.1	T__	---	---	---	15321933	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.2 0																		
PSZ	0.87	224.0	Pg	10:54:37.316	0.4	T__	54.9	---	MLv	15321934	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.87	224.0	Lg	10:54:49.264	-0.6	T__	---	---	---	15321935	FDSN	GE	--	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
2019/11/14	12:18:56.89	1.70	0.98	48.2309	21.2496	11.5	4.7	122	0.0S		13	8	90	0.07	1.20	m	kx BUD	15321957	iLoc			155
2019/11/14	12:18:57.05f		0.71	48.2470	21.2460f				0.0S		13		88	0.05	1.19	a	kx BUD_GT	15328795	BUD			153
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Táallya Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.2	6 BUD	15321957
ML	1.8	0.2	6 ILOC	15328795

Sta	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	12:18:58.835	0.2					T__		12642.4		---	MLv	15330711	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_	
(Station ML : 2.5 0																									
HU02A	0.50	255.8	Pg	12:19:07.548	-0.1					T__		94.7		---	MLv	15330712	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_	
HU02A	0.50	255.8	Lg	12:19:15.306	-0.4					T__				---	---	15330713	FDSN	ZJ	00	BUD	BUD	HHZ	???	_	
(Station ML : 1.7 1																									
JOS	0.53	298.0	Pg	12:19:08.115	0.3					T__		66.3		---	MLv	15330714	FDSN	ZJ	--	BUD	BUD	HHZ	HHZ	_	
JOS	0.53	298.0	Lg	12:19:16.053	0.1					T__				---	---	15330715	FDSN	ZJ	--	BUD	BUD	HHN	???	_	
(Station ML : 1.6 1																									
KECS	0.56	295.3	Pg	12:19:08.590	0.3					T__		135.1		---	MLv	15330716	FDSN	SK	--	BUD	BUD	EHE	EHZ	_	
KECS	0.56	295.3	Lg	12:19:17.147	0.3					T__				---	---	15330717	FDSN	SK	--	BUD	BUD	EHN	???	_	
(Station ML : 1.9 1																									
HU05A	0.70	186.1	Sn	12:19:25.501	-0.3					T__				---	---	15330718	FDSN	ZJ	00	BUD	BUD	HHN	???	_	
TRPA	0.87	97.2	Pn	12:19:15.173	-0.2					T__		26.1		---	MLv	15330719	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_	
TRPA	0.87	97.2	Lg	12:19:28.275	-0.2					T__				---	---	15330720	FDSN	HU	--	BUD	BUD	BHN	???	_	
(Station ML : 1.4 0																									
PSZ	0.96	250.6	Pg	12:19:17.783	0.4					T__		74.6		---	MLv	15330721	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_	
PSZ	0.96	250.6	Lg	12:19:29.509	-2.3					T__				---	---	15330722	FDSN	GE	--	BUD	BUD	BHE	???	_	
(Station ML : 1.9 1																									
STZU	1.19	49.4	Pn	12:19:20.887	0.7					T__				---	---	15330723	FDSN	UA	--	BUD	BUD	MHZ	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2019/11/15	08:14:14.90	3.62	1.09	46.9148	22.7748	22.5	18.3	59	0.0S		7	4	284	0.13	1.62	m	sx BUD	15321997	iLoc					329

(description : suspected quarry blast)
(locality : Poieni Romania)

Magnitude Err Nsta Author OrigID
ML 1.4 0.3 3 ILOC 15321997

Sta	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	0.13	199.6	Pg	08:14:18.015	0.1					T__		387.2		___	MLv	15321999	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.13	199.6	Lg	08:14:20.254	-0.2					T__				___		15322000	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.3 1																								
SIRR	1.01	230.1	Pg	08:14:35.083	-0.1					T__		23.3		___	MLv	15322001	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	1.01	230.1	Lg	08:14:49.638	0.1					T__				___		15322002	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 1.4 1																								
BZS	1.52	211.7	Lg	08:15:05.160	0.5					T__				___		15322003	FDSN	RO	--	BUD	iLoc	BHE	???	_
LOT	1.62	154.4	Pn	08:14:44.274	-0.4					T__		35.5		___	MLv	15322004	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
LOT	1.62	154.4	Sn	08:15:05.241	-2.1					T__				___		15322005	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
2019/11/17	20:21:45.35	4.17	0.04	47.6488	20.3723	14.2	6.9	58	13.6F	16.7	6	3	268	0.02	0.08	m	ke BUD	15322019	iLoc			334

Magnitude Err Nsta Author OrigID
ML 0.6 0.0 3 ILOC 15322019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TENKA	0.02	288.6	Pg	20:21:48.070	0.0					T__		223.3		___	MLv	15322021	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TENKA	0.02	288.6	Lg	20:21:50.104	-0.0					T__				___		15322022	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 0.7 1																								
ATAN2	0.04	196.9	Pg	20:21:48.161	-0.0					T__		166.7		___	MLv	15322023	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ATAN2	0.04	196.9	Lg	20:21:50.337	0.0					T__				___		15322024	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 0.6 1																								
HU23A	0.08	263.3	Pg	20:21:48.622	0.0					T__		127.7		___	MLv	15322025	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.08	263.3	Lg	20:21:50.989	-0.0					T__				___		15322026	FDSN	ZJ	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
2019/11/18	10:53:14.99	1.68	0.52	47.8860	20.0933	16.2	3.7	162	0.0S		11	7	211	0.14	0.87	m	kx BUD	15322040	iLoc			222
2019/11/18	10:53:15.15f		0.46	47.8987	20.0893f				0.0S		11		208	0.13	0.87	a	kx BUD_GT	15328801	BUD			218

(GT info : GT2 explosion)

(description : known quarry blast)
(locality : Recsk Hungary)

Magnitude Err Nsta Author OrigID
ML 1.8 0.0 6 BUD 15322040
ML 1.8 0.0 6 ILOC 15328801

Sta	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	10:53:18.526	-0.1					T__		1408.6		___	MLv	15330724	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.13	278.6	Lg	10:53:20.816	-0.8					T__				___		15330725	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.8 1																								

HU03A	0.33	271.1	Lg	10:53:28.378	0.7	T__								15330726	FDSN	ZJ	00	BUD	BUD	HHN	???	_
HU02A	0.37	52.4	Pg	10:53:22.992	-0.2	T__	140.8						MLv	15330727	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.37	52.4	Lg	10:53:29.493	0.0	T__								15330728	FDSN	ZJ	00	BUD	BUD	HHN	???	_
(Station ML : 1.5 0																						
KECS	0.64	24.2	Pn	10:53:29.915	-0.4	T__	126.7						MLv	15330729	FDSN	SK	--	BUD	BUD	EHE	EHZ	_
KECS	0.64	24.2	Lg	10:53:38.581	0.7	T__								15330730	FDSN	SK	--	BUD	BUD	EHE	???	_
(Station ML : 2.0 1																						
JOS	0.67	26.5	Pg	10:53:28.318	-0.2	T__	78.2						MLv	15330731	FDSN	ZJ	--	BUD	BUD	HHZ	HHZ	_
JOS	0.67	26.5	Lg	10:53:39.203	0.4	T__								15330732	FDSN	ZJ	--	BUD	BUD	HHZ	???	_
(Station ML : 1.8 1																						
A336A	0.80	295.0	Pg	10:53:31.351	-0.2	T__	108.0						MLv	15330733	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 2.0 0																						
ABAH	0.87	62.3	Pn	10:53:33.927	0.6	T__	69.2						MLv	15330734	FDSN	HU	--	BUD	BUD	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
 2019/11/18 11:16:37.26 0.90 0.72 48.8740 20.5004 6.8 3.4 91 0.0S 19 10 103 0.38 1.42 m sx BUD 15322078 iLoc 152
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 2.0 0.1 9 ILOC 15322078

Sta	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	176.3	Pg	11:16:45.034	0.1					T__		282.8			MLv	15322080	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.38	176.3	Lg	11:16:51.066	0.3					T__						15322081	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 1.8 1																								
KECS	0.39	181.4	Pg	11:16:45.057	-0.1					T__		463.1			MLv	15322082	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.39	181.4	Lg	11:16:50.837	-0.3					T__						15322083	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 2.1 1																								
NIE	0.56	347.4	Lg	11:16:54.327	-1.6					T__						15322084	FDSN	PL	--	BUD	iLoc	BHN	???	_
STHS	0.73	41.7	Pg	11:16:51.073	0.2					T__		116.9			MLv	15322085	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 2.0 1																								
HU02A	0.75	178.7	Pg	11:16:52.666	-0.1					T__		75.9			MLv	15322086	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.75	178.7	Lg	11:17:04.023	-0.4					T__						15322087	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.8 0																								
ABAH	0.76	139.4	Pg	11:16:52.650	0.3					T__		103.6			MLv	15322088	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.9 1																								
PSZ	1.04	203.1	Pn	11:16:58.551	0.3					T__		72.6			MLv	15322089	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	1.04	203.1	Lg	11:17:12.951	-1.4					T__						15322090	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.9 1																								
HU03A	1.14	212.1	Pg	11:17:00.955	0.2					T__		81.5			MLv	15322091	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU03A	1.14	212.1	Lg	11:17:18.256	0.9					T__						15322092	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 2.0 1																								
A336A	1.19	237.8	Pg	11:17:01.430	0.3					T__		103.5			MLv	15322093	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A336A	1.19	237.8	Sn	11:17:17.178	-1.1					T__						15322094	FDSN	Z3	00	BUD	iLoc	HH3	???	_
(Station ML : 2.2 0																								
OJC	1.42	341.5	Pg	11:17:05.663	0.4					T__		67.6			MLv	15322095	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
OJC	1.42	341.5	Pg	11:17:06.100	0.8					T__						15322096	FDSN	IR	--	ISC	iLoc	???	???	_
OJC	1.42	341.5	Sn	11:17:24.963	0.3					T__						15322097	FDSN	PL	--	BUD	iLoc	BHN	???	_
OJC	1.42	341.5	Sn	11:17:25.170	0.4					T__						15322098	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/11/19	07:33:51.99	0.99	0.78	46.8753	18.5630	12.2	4.8	102	5.0F	13.5	11	7	79	0.09	1.38	m	ke BUD	15322136	iLoc			148

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.0	5 ILOC	15322136

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A267A	0.09	322.0	Pg	07:33:54.541	0.3					T__		1063.1		___	MLv	15322138	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A267A	0.09	322.0	Lg	07:33:55.620	-0.6					T__				___		15322139	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
(Station ML : 1.6 1																								
A266A	0.41	210.5	Pg	07:34:00.621	0.3					T__		258.2		___	MLv	15322140	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.8 1																								
HU04A	0.63	95.4	Pn	07:34:07.390	1.4					T__		228.2		___	MLv	15322141	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU04A	0.63	95.4	Sn	07:34:16.607	-0.5					T__				___		15322142	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 2.2 0																								
MORH	0.66	175.1	Pn	07:34:06.612	0.3					T__		25.2		___	MLv	15322143	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	0.66	175.1	Lg	07:34:14.298	-0.6					T__				___		15322144	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.3 0																								
KOVH	0.85	202.3	Pg	07:34:09.070	0.2					T__		41.0		___	MLv	15322145	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.85	202.3	Lg	07:34:20.310	-0.7					T__				___		15322146	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.6 1																								
BEHE	1.30	252.4	Sn	07:34:32.924	-0.3					T__				___		15322147	FDSN	HU	--	BUD	iLoc	BHE	???	_
PSZ	1.38	40.4	Lg	07:34:39.676	-0.6					T__				___		15322148	FDSN	GE	--	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
2019/11/19	09:22:54.65	1.41	0.71	48.5459	20.7747	10.4	3.8	9	0.0S		12	7	147	0.17	1.22	m	sx BUD	15322170	iLoc			232

(description : suspected quarry blast)

(locality : Dvorniky-Vcelare Slovakia)

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.1	6 ILOC	15322170

Sta	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	252.3	Pg	09:22:57.814	-0.4					T__		348.0		___	MLv	15322172	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.17	252.3	Lg	09:23:01.813	0.8					T__				___		15322173	FDSN	ZJ	--	BUD	iLoc	HHZ	???	_
(Station ML : 1.3 1																								
KECS	0.20	252.0	Pg	09:22:58.294	-0.6					T__		999.7		___	MLv	15322174	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.20	252.0	Lg	09:23:02.697	0.5					T__				___		15322175	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.9 0																								
ABAH	0.40	128.7	Pg	09:23:02.646	-0.2					T__		64.0		___	MLv	15322176	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.40	128.7	Lg	09:23:09.910	0.1					T__				___		15322177	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.2 1																								
HU02A	0.46	201.5	Pg	09:23:03.917	-0.4					T__		43.7		___	MLv	15322178	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.46	201.5	Lg	09:23:11.712	-0.0					T__				___		15322179	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.2 0																								
PSZ	0.86	223.5	Pn	09:23:14.307	1.2					T__		52.6		___	MLv	15322180	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.86	223.5	Lg	09:23:26.367	0.6					T__				___		15322181	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.7 1																								

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NIE      0.93 341.0 Pn      09:23:14.796  0.7          T__      21.6      ___ MLv      15322182  FDSN PL      -- BUD  iLoc  BHZ BHZ  _
(Station ML : 1.3 1
A336A    1.22 255.9 Sn      09:23:35.710 -0.7          T__      ___      ___      15322183  FDSN Z3      00 BUD  iLoc  HH3 ???  _

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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
2019/11/19 09:42:18.74  1.08  1.01  47.9311  19.8545  11.4  5.6 173  0.0S      8    6 145  0.03  1.00 m  sx BUD      15322209  iLoc      281

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Magnitude Err Nsta Author      OrigID
ML      1.4 0.1    3 ILOC      15322209

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Sta  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  0.03 115.2 Pg      09:42:20.077 -0.0    T__      957.2    ___ MLv      15322211  FDSN GE      -- BUD  iLoc  HHZ HHZ  _
PSZ  0.03 115.2 Lg      09:42:21.645  0.0    T__      ___      ___      15322212  FDSN GE      -- BUD  iLoc  HHN ???  _
(Station ML : 1.4 1
HU03A 0.17 261.1 Lg      09:42:25.948  0.0    T__      ___      ___      15322213  FDSN ZJ      00 BUD  iLoc  HHE ???  _
HU02A 0.49 66.7 Pg      09:42:29.205  0.0    T__      42.8    ___ MLv      15322214  FDSN ZJ      00 BUD  iLoc  HHZ HHZ  _
(Station ML : 1.3 1
KECS  0.70 37.1 Sn      09:42:45.482 -2.0    T__      ___      ___      15322215  FDSN SK      -- BUD  iLoc  EHE ???  _
JOS   0.73 38.7 Pn      09:42:35.396  0.4    T__      49.8    ___ MLv      15322216  FDSN ZJ      -- BUD  iLoc  HHE HHZ  _
JOS   0.73 38.7 Sn      09:42:47.064 -1.1    T__      ___      ___      15322217  FDSN ZJ      -- BUD  iLoc  HHN ???  _
(Station ML : 1.6 1
ABAH  1.00 68.0 Lg      09:42:54.306  0.1    T__      ___      ___      15322218  FDSN HU      -- 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
2019/11/20 08:07:19.62  1.65  0.94  48.2395  21.2430  10.8  3.6 118  0.0S     13    6 154  0.06  0.96 m  sx BUD      15322232  iLoc      253

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(description : suspected quarry blast)
(locality : Tarcsl Hungary)

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Magnitude Err Nsta Author      OrigID
ML      1.7 0.1    6 ILOC      15322232

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Sta  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  0.06 357.8 Pg      08:07:21.462  0.1    T__      3560.1   ___ MLv      15322234  FDSN HU      -- BUD  iLoc  HHZ HHZ  _
ABAH  0.06 357.8 Lg      08:07:22.789 -0.3    T__      ___      ___      15322235  FDSN HU      -- BUD  iLoc  HHN ???  _
(Station ML : 2.0 0
HU02A 0.49 256.5 Pg      08:07:29.763 -0.4    T__      51.9    ___ MLv      15322236  FDSN ZJ      00 BUD  iLoc  HHZ HHZ  _
HU02A 0.49 256.5 Lg      08:07:37.404 -0.8    T__      ___      ___      15322237  FDSN ZJ      00 BUD  iLoc  HHN ???  _
(Station ML : 1.4 0
JOS   0.54 298.8 Pg      08:07:30.663  0.3    T__      56.2    ___ MLv      15322238  FDSN ZJ      -- BUD  iLoc  HHZ HHZ  _
JOS   0.54 298.8 Lg      08:07:37.885 -0.7    T__      ___      ___      15322239  FDSN ZJ      -- BUD  iLoc  HHZ ???  _
(Station ML : 1.5 1
KECS  0.56 296.1 Pg      08:07:31.301  0.4    T__      96.5    ___ MLv      15322240  FDSN SK      -- BUD  iLoc  EHE EHZ  _
KECS  0.56 296.1 Lg      08:07:39.687  0.2    T__      ___      ___      15322241  FDSN SK      -- BUD  iLoc  EHE ???  _
(Station ML : 1.8 1
TRPA  0.87 96.7 Pn      08:07:38.100  0.1    T__      0.0     ___      ___      15322242  FDSN IR      -- ISC  iLoc  ??? ???  _
TRPA  0.87 96.7 Pn      08:07:37.867 -0.1    T__      62.3    ___ MLv      15322243  FDSN HU      -- BUD  iLoc  BHZ BHZ  _
TRPA  0.87 96.7 Sn      08:07:50.761 -2.4    T__      ___      ___      15322244  FDSN HU      -- BUD  iLoc  BHZ ???  _
(Station ML : 1.8 1

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PSZ	0.96	250.9	Pg	08:07:40.848	1.0	T__	47.2	---	MLv	15322245	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.96	250.9	Lg	08:07:54.772	0.5	T__		---		15322246	FDSN	GE	--	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
2019/11/20	10:50:08.17	1.04	0.90	48.5897	20.7775	6.0	3.9	21	0.0S		16	9	113	0.19	1.24	m	sx	BUD	15322273	iLoc		179
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.2	8 ILOC	15322273

Sta	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	239.5	Pg	10:50:12.419	0.3					T__		528.4		---	MLv	15322275	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.19	239.5	Lg	10:50:15.384	0.2					T__				---		15322276	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 1.5 1																								
KECS	0.22	241.3	Pg	10:50:12.872	0.1					T__	1195.2			---	MLv	15322277	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.22	241.3	Lg	10:50:16.182	-0.2					T__				---		15322278	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 2.0 0																								
ABAH	0.43	133.5	Pg	10:50:17.217	0.3					T__	91.0			---	MLv	15322279	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.43	133.5	Lg	10:50:23.627	-0.6					T__				---		15322280	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.4 0																								
HU02A	0.50	199.9	Pg	10:50:18.930	0.3					T__	77.1			---	MLv	15322281	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.50	199.9	Lg	10:50:26.335	-0.4					T__				---		15322282	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 1.6 1																								
STHS	0.88	20.2	Pn	10:50:25.555	-1.4					T__	88.5			---	MLv	15322283	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 1.9 1																								
NIE	0.88	339.9	Pn	10:50:28.731	1.7					T__	33.1			---	MLv	15322284	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.88	339.9	Sn	10:50:40.521	-1.8					T__				---		15322285	FDSN	PL	--	BUD	iLoc	BHE	???	_
(Station ML : 1.5 1																								
PSZ	0.89	221.6	Pn	10:50:26.481	-0.6					T__	74.1			---	MLv	15322286	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.89	221.6	Lg	10:50:39.801	-0.6					T__				---		15322287	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.9 1																								
LANS	1.03	303.5	Pg	10:50:28.667	0.2					T__	52.1			---	MLv	15322288	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
LANS	1.03	303.5	Lg	10:50:42.719	-0.4					T__				---		15322289	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.8 1																								
A336A	1.24	253.9	Sn	10:50:51.085	0.8					T__				---		15322290	FDSN	Z3	00	BUD	iLoc	HH3	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/11/20	13:40:44.49	1.02	0.72	47.8679	19.1494	8.5	3.6	168	0.0S		5	3	171	0.09	0.50	m	kx	BUD	15322324	iLoc		270
2019/11/20	13:40:44.39f	0.90	0.90	47.8355	19.1270f				0.0S		5		197	0.07	0.52	a	kx	BUD_GT	15322813	BUD		289
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Sejce-Vác Hungary)																						

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	0.07	277.6	Pg	13:40:46.548	0.2					T__		1259.6		---	MLv	15330735	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_

HU10A	0.07	277.6	Lg	13:40:49.704	1.4	T__								15330736	FDSN	ZJ	00	BUD	BUD	HHE	???	_
A336A	0.41	347.9	Lg	13:40:58.655	-0.8	T__								15330737	FDSN	Z3	00	BUD	BUD	HH3	???	_
PSZ	0.52	80.6	Pg	13:40:55.733	-0.1	T__	49.3							15330738	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.52	80.6	Lg	13:41:03.042	-1.1	T__								15330739	FDSN	GE	--	BUD	BUD	BHZ	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/11/21	10:30:53.09	2.36	0.48	48.2158	21.2519	15.6	5.3	127	0.0S	10	6	258	0.08	1.51	m	kx	BUD	15322339	iLoc			311
2019/11/21	10:30:53.43f		0.53	48.2470	21.2460f				0.0S	10		255	0.05	1.50	a	kx	BUD_GT	15328817	BUD			312

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.2	5 BUD	15322339
ML	1.9	0.1	5 ILOC	15328817

Sta	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	10:30:55.326	0.3					T__		23766.4		---	MLv	15330740	FDSN	HU	--	BUD	BUD	HHE	HHZ	_
(Station ML : 2.8 0)																								
HU02A	0.50	255.8	Pg	10:31:03.624	-0.4					T__		87.6		---	MLv	15330741	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.50	255.8	Lg	10:31:11.552	-0.6					T__				---		15330742	FDSN	ZJ	00	BUD	BUD	HHE	???	_
(Station ML : 1.6 0)																								
JOS	0.53	298.0	Pg	10:31:04.597	0.4					T__		96.0		---	MLv	15330743	FDSN	ZJ	--	BUD	BUD	HHZ	HHZ	_
JOS	0.53	298.0	Lg	10:31:12.058	-0.3					T__				---		15330744	FDSN	ZJ	--	BUD	BUD	HHE	???	_
(Station ML : 1.8 1)																								
KECS	0.56	295.3	Pg	10:31:05.187	0.5					T__		158.4		---	MLv	15330745	FDSN	SK	--	BUD	BUD	EHE	EHZ	_
KECS	0.56	295.3	Lg	10:31:13.557	0.3					T__				---		15330746	FDSN	SK	--	BUD	BUD	EHN	???	_
(Station ML : 2.0 1)																								
PSZ	0.96	250.6	Pg	10:31:13.538	-0.2					T__		76.9		---	MLv	15330747	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.96	250.6	Lg	10:31:27.308	-0.9					T__				---		15330748	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.9 1)																								
A336A	1.50	270.3	Lg	10:31:44.514	-0.9					T__				---		15330749	FDSN	Z3	00	BUD	BUD	HH3	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/11/21	12:30:43.53	1.34	1.16	48.1471	18.9517	4.3	4.0	119	0.0A	8		172	0.67	1.88	a	kx	KRSZO	15281455	ISC			360
2019/11/21	12:30:43.49	0.94	1.43	48.1304	18.9185	5.4	4.0	22	0.0S	14	10	86	0.12	1.88	m	sx	BUD	15322372	iLoc			145

(description : suspected quarry blast)
(locality : Horne-Turovce Slovakia)

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.1	3 ILOC	15322372

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A336A	0.12	27.6	Pg	12:30:46.969	0.8					T__		2923.8		---	MLv	15322374	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A336A	0.12	27.6	Lg	12:30:48.817	0.4					T__				---		15322375	FDSN	Z3	00	BUD	iLoc	HH3	???	_
(Station ML : 2.1 1)																								
HU10A	0.29	166.7	Lg	12:30:54.405	-0.5					T__				---		15322376	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
A338A	0.40	253.3	Lg	12:30:59.874	1.3					T__				---		15322377	FDSN	Z3	00	BUD	iLoc	HH3	???	_

A335A	0.50	309.4	Lg	12:30:59.256	-2.6	T__									15322378	FDSN	Z3	00	BUD	iLoc	HHN	???	_
PSZ	0.69	107.6	Pn	12:30:58.519	-1.1	T__	48.2								15322379	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.69	107.6	Lg	12:31:07.665	-1.2	T__									15322380	FDSN	GE	--	BUD	iLoc	BHE	???	_
PSZ	0.69	107.6	Lg	12:31:07.984	-0.9	T__									15322381	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.6 1																							
KECS	1.10	70.8	Sn	12:31:20.656	-1.8	T__									15322382	FDSN	SK	--	BUD	iLoc	EHE	???	_
JAVC	1.10	311.8	Lg	12:31:22.692	-0.1	T__									15322383	FDSN	CZ	--	BUD	iLoc	BHN	???	_
MODS	1.12	283.1	Lg	12:31:22.081	-1.1	T__									15322384	FDSN	SK	--	BUD	iLoc	HHN	???	_
JOS	1.14	70.7	Pn	12:31:05.235	-0.4	T__	32.1								15322385	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	1.14	70.7	Sn	12:31:21.254	-2.0	T__									15322386	FDSN	ZJ	--	BUD	iLoc	HHN	???	_
(Station ML : 1.6 1																							
MORC	1.88	331.7	Sn	12:31:41.725	-1.0	T__									15322387	FDSN	CZ	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/11/22	09:30:49.11	1.43	1.96	48.2303	21.1853	12.4	5.2	157	0.0S		9	5	221	0.08	0.92	m	sx	BUD	15322401	iLoc		308
(description : suspected quarry blast)																						
(locality : Tarcsl Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.1	0.1	5 ILOC	15322401

Sta	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	0.08	28.9	Pg	09:30:51.045	-0.1					T__		222.9			MLv	15322403	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.08	28.9	Lg	09:30:54.175	1.0					T__						15322404	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 0.9 0																								
HU02A	0.46	256.5	Pg	09:30:59.570	0.8					T__		27.0			MLv	15322405	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.46	256.5	Lg	09:31:04.450	-1.8					T__						15322406	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 1.0 1																								
JOS	0.51	301.8	Pg	09:30:57.672	-1.7					T__		24.2			MLv	15322407	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.51	301.8	Lg	09:31:09.094	2.0					T__						15322408	FDSN	ZJ	--	BUD	iLoc	HHN	???	_
(Station ML : 1.1 1																								
KECS	0.53	298.7	Pg	09:31:00.028	0.2					T__		103.8			MLv	15322409	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.53	298.7	Lg	09:31:09.620	1.6					T__						15322410	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.8 0																								
PSZ	0.92	250.7	Pn	09:31:05.371	-2.9					T__		30.9			MLv	15322411	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/11/22	10:04:17.60	1.02	0.95	48.5667	20.7903	6.5	3.6	178	0.0S		16	8	124	0.18	1.25	m	sx	BUD	15322462	iLoc		214
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.3	8 ILOC	15322462

Sta	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	247.1	Pg	10:04:21.815	0.4					T__		298.5			MLv	15322464	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.18	247.1	Lg	10:04:25.559	1.1					T__						15322465	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 1.3 0																								

KECS	0.22	247.7	Pg	10:04:22.264	0.1	T__	827.1	___	MLv	15322466	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.22	247.7	Lg	10:04:26.240	0.5	T__		---		15322467	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.8 1																		
ABAH	0.40	132.0	Pg	10:04:26.690	0.8	T__	85.2	___	MLv	15322468	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.40	132.0	Lg	10:04:31.775	-1.2	T__		---		15322469	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.4 1																		
HU02A	0.48	201.8	Pg	10:04:27.689	-0.0	T__	48.4	___	MLv	15322470	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.48	201.8	Lg	10:04:35.247	-0.2	T__		---		15322471	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.3 1																		
PSZ	0.88	223.0	Pn	10:04:35.863	-0.5	T__	45.1	___	MLv	15322472	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.88	223.0	Lg	10:04:48.001	-1.5	T__		---		15322473	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.6 1																		
STHS	0.90	19.2	Pn	10:04:34.912	-1.8	T__	57.9	___	MLv	15322474	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
STHS	0.90	19.2	Lg	10:04:47.101	-0.6	T__		---		15322475	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.8 1																		
A336A	1.24	255.1	Pg	10:04:42.077	-0.5	T__	52.6	___	MLv	15322476	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A336A	1.24	255.1	Sn	10:05:00.174	0.4	T__		---		15322477	FDSN	Z3	00	BUD	iLoc	HH2	???	_
(Station ML : 1.9 0																		
TRPA	1.25	109.9	Pg	10:04:41.915	0.3	T__	17.3	___	MLv	15322478	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
TRPA	1.25	109.9	Sn	10:04:58.764	-1.3	T__		---		15322479	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/11/22 10:10:47.30 2.25 0.62 46.8564 22.8563 16.7 9.7 179 0.0S 10 6 149 0.12 1.78 m sx BUD 15322433 iLoc 242
 (description : suspected quarry blast)
 (locality : Poieni Romania)

Magnitude Err Nsta Author OrigID
 ML 1.6 0.4 4 ILOC 15322433

Sta	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	0.12	237.1	Pg	10:10:49.908	-0.2					T__		216.8	---		MLv	15322435	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.12	237.1	Lg	10:10:52.554	0.1					T__			---			15322436	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.0 1																								
SIRR	1.01	234.7	Pg	10:11:07.580	-0.2					T__		21.4	---		MLv	15322437	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	1.01	234.7	Lg	10:11:22.135	-0.1					T__			---			15322438	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.4 1																								
HU24A	1.17	273.2	Lg	10:11:28.038	0.8					T__			---			15322439	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
BZS	1.50	214.7	Pg	10:11:16.063	-0.1					T__		35.1	---		MLv	15322440	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	1.50	214.7	Lg	10:11:37.809	1.3					T__			---			15322441	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.9 1																								
LOT	1.55	155.4	Pg	10:11:16.691	-0.1					T__		43.1	---		MLv	15322442	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
LOT	1.55	155.4	Sn	10:11:37.643	-0.2					T__			---			15322443	FDSN	RO	--	BUD	iLoc	BHZ	???	_
(Station ML : 2.0 1																								
BURAR	1.78	62.9	Pn	10:11:19.692	0.4					T__			---			15322444	FDSN	RO	--	BUD	iLoc	BHZ	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/11/22 13:56:51.99 0.14 0.39 45.9408 22.7367 1.2 1.0 103 6.2F 1.4 26 69 0.12 2.42 a ke BUC 15281459 ISC 360
 2019/11/22 13:56:51.03 0.76 0.74 45.9863 22.6981 4.0 3.4 26 0.0S 56 16 62 0.17 2.45 m sx BUD 15322534 iLoc 81

(description : suspected quarry blast)
(locality : Baita Romania)

Magnitude	Err	Nsta	Author	OrigID																				
ml	1.7		BUC	15281459																				
ML	1.9	0.4	7 ILOC	15322534																				
Sta	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	125.4	Pg	13:56:54.364	0.1					T__		3019.5		---	MLv	15322536	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DEV	0.17	125.4	Lg	13:56:56.985	0.3					T__				---		15322537	FDSN	RO	--	BUD	iLoc	BHE	???	_
DEV	0.18	125.7	Lg	13:56:57.194	0.3					T__		1.0		---		15322538	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.18	125.7	Lg	13:56:57.194	0.3					T__				---		15322539	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.3 1																								
GZR	0.60	174.7	Pg	13:57:02.263	-0.2					T__				---		15322540	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.60	174.7	Pg	13:57:02.263	-0.2					T__		0.1		---		15322541	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.60	174.7	Pg	13:57:03.092	0.6					T__		70.1		---	MLv	15322542	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	0.60	174.7	Lg	13:57:10.552	-0.4					T__				---		15322543	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.7 1																								
MARR	0.75	22.8	Pn	13:57:07.922	-0.9					T__				---		15322544	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.75	22.8	Pn	13:57:07.922	-0.9					T__				---		15322545	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.75	22.8	Lg	13:57:18.639	0.6					T__				---		15322546	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.77	291.6	Pg	13:57:06.603	-0.2					T__		29.0		---	MLv	15322547	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.77	291.6	Lg	13:57:18.541	0.3					T__				---		15322548	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	0.77	291.7	Pn	13:57:08.197	-0.1					T__				---		15322549	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.77	291.7	Pn	13:57:08.197	-0.1					T__				---		15322550	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.77	291.7	Lg	13:57:18.947	0.6					T__				---		15322551	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.4 0																								
DRGR	0.81	0.6	Pn	13:57:08.011	-0.9					T__				---		15322552	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.81	0.6	Pn	13:57:08.011	-0.9					T__				---		15322553	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.81	0.6	Lg	13:57:19.680	0.1					T__				---		15322554	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.81	0.6	Pn	13:57:09.137	0.2					T__		85.8		---	MLv	15322555	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.81	0.6	Lg	13:57:18.542	-1.0					T__				---		15322556	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.9 1																								
BZS	0.83	244.0	Pg	13:57:06.960	-0.2					T__		37.6		---	MLv	15322557	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.83	244.0	Lg	13:57:18.206	-0.7					T__				---		15322558	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	0.84	244.3	Pg	13:57:07.445	-0.1					T__				---		15322559	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.84	244.3	Pg	13:57:07.445	-0.1					T__				---		15322560	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.84	244.3	Lg	13:57:19.647	0.2					T__				---		15322561	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.5 1																								
LOT	0.92	125.3	Pg	13:57:09.028	0.3					T__				---		15322562	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.92	125.3	Pg	13:57:09.028	0.3					T__				---		15322563	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.92	125.3	Lg	13:57:20.784	-1.5					T__				---		15322564	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.93	125.4	Pg	13:57:09.606	0.8					T__		140.4		---	MLv	15322565	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
LOT	0.93	125.4	Lg	13:57:21.463	-0.9					T__				---		15322566	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 2.2 1																								
CJR	0.96	40.3	Pn	13:57:10.845	-0.3					T__				---		15322567	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.96	40.3	Pn	13:57:10.845	-0.3					T__		0.2		---		15322568	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.96	40.3	Pn	13:57:11.926	0.8					T__		194.2		---	MLv	15322569	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
CJR	0.96	40.3	Lg	13:57:24.073	-0.6					T__		0.2		---		15322570	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.96	40.3	Lg	13:57:24.073	-0.6					T__				---		15322571	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.96	40.3	Sn	13:57:26.489	-0.3					T__				---		15322572	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 2.3 0																								
HERR	1.12	190.3	Lg	13:57:27.596	0.2					T__				---		15322573	FDSN	IR	--	ISC	iLoc	???	???	_

HERR	1.12	190.3	Lg	13:57:27.596	0.2	T__	---	15322574	FDSN	IR	--	ISC	iLoc	???	???	_
SRE	1.37	164.7	Lg	13:57:35.765	0.0	T__	---	15322576	FDSN	IR	--	ISC	iLoc	???	???	_
SRE	1.37	164.7	Lg	13:57:35.765	0.0	T__	---	15322575	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.39	210.3	Pg	13:57:17.982	-0.1	T__	---	15322577	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.39	210.3	Pg	13:57:17.982	-0.1	T__	---	15322578	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.39	210.3	Lg	13:57:36.789	0.3	T__	---	15322579	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.39	210.3	Lg	13:57:36.789	0.3	T__	---	15322580	FDSN	IR	--	ISC	iLoc	???	???	_
HU24A	1.41	311.5	Lg	13:57:40.739	2.6	T__	---	15322581	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
ARR	1.49	113.8	Pn	13:57:18.663	-0.4	T__	---	15322582	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	1.49	113.8	Pn	13:57:18.663	-0.4	T__	---	15322583	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	1.49	113.8	Sn	13:57:38.934	-1.3	T__	---	15322584	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	1.59	45.5	Lg	13:57:44.720	1.2	T__	---	15322585	FDSN	RO	--	BUD	iLoc	BHN	???	_
VOIR	1.74	107.6	Pn	13:57:22.723	0.1	T__	---	15322586	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.74	107.6	Pn	13:57:22.723	0.1	T__	---	15322587	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.74	107.6	Sn	13:57:44.796	-1.8	T__	---	15322588	FDSN	IR	--	ISC	iLoc	???	???	_
BOVS	2.45	197.1	Pn	13:57:32.145	0.4	T__	---	15322589	FDSN	IR	--	ISC	iLoc	???	???	_
BOVS	2.45	197.1	Pn	13:57:32.145	0.4	T__	---	15322590	FDSN	IR	--	ISC	iLoc	???	???	_
BOVS	2.45	197.1	Sn	13:58:03.157	1.7	T__	---	15322591	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/11/25	09:50:55.83	2.31	1.06	47.8086	19.0333	17.2	5.3	30	0.0S	6	4	265	0.04	0.59	m	kx	BUD	15322513	iLoc			277
2019/11/25	09:50:54.81f		0.85	47.7791	19.0372f				0.0S	6	273	0.07	0.59	a	kx	BUD_GT	15328831	BUD				280

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.2	3 BUD	15322513
ML	1.9	0.3	3 ILOC	15328831

Sta	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	0.07	349.3	Pg	09:50:57.149	0.5					T__		3951.0			MLv	15330750	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 2.1 1)																								
HU03A	0.40	71.6	Lg	09:51:10.709	0.9					T__						15330751	FDSN	ZJ	00	BUD	BUD	HHN	???	_
A336A	0.46	356.8	Pg	09:51:05.195	0.9					T__		193.9			MLv	15330752	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A336A	0.46	356.8	Lg	09:51:11.180	-0.4					T__						15330753	FDSN	Z3	00	BUD	BUD	HH3	???	_
(Station ML : 1.9 1)																								
PSZ	0.59	76.1	Pn	09:51:09.195	-1.3					T__		67.0			MLv	15330754	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.59	76.1	Lg	09:51:16.320	-0.7					T__						15330755	FDSN	GE	--	BUD	BUD	BHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/11/26	04:10:50.03	0.82	0.87	46.1275	16.5717	4.2	3.0	147	6.3F	8.1	39	23	71	0.37	1.67	m	ke	BUD	15322627	iLoc			130

Magnitude	Err	Nsta	Author	OrigID
ML	2.4	0.2	18 ILOC	15322627

Sta	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	22.3	Pg	04:10:57.346	-0.4					T__		421.2			MLv	15322629	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_

BEHE	0.37	22.3	Lg	04:11:03.351	0.4	T__	---	15322630	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML	:	2.0	0													
KOGS	0.39	325.3	Pg	04:10:57.498	-0.4	T__	2573.9	15322631	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.39	325.3	Lg	04:11:02.412	-0.8	T__	---	15322632	FDSN	SL	--	BUD	iLoc	BHZ	???	_
(Station ML	:	2.8	0													
PTJ	0.47	242.6	Pg	04:10:59.127	-0.3	T__	313.9	15322633	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.47	242.6	Lg	04:11:06.150	0.1	T__	---	15322634	FDSN	CR	--	BUD	iLoc	BHE	???	_
(Station ML	:	2.1	1													
A264A	0.50	86.1	Pg	04:10:59.892	-0.3	T__	642.5	15322635	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A264A	0.50	86.1	Lg	04:11:07.539	0.6	T__	---	15322636	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML	:	2.5	1													
ZAG	0.51	233.8	Pg	04:10:59.788	-0.2	T__	779.4	15322637	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
ZAG	0.51	233.8	Lg	04:11:07.626	0.5	T__	---	15322638	FDSN	CR	--	BUD	iLoc	BHE	???	_
(Station ML	:	2.6	1													
A263A	0.73	44.8	Pg	04:11:03.849	-0.7	T__	870.1	15322639	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A263A	0.73	44.8	Lg	04:11:14.879	0.5	T__	---	15322640	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML	:	2.8	0													
A262A	0.74	357.6	Pg	04:11:04.936	0.3	T__	549.2	15322641	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A262A	0.74	357.6	Lg	04:11:15.633	1.4	T__	---	15322642	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML	:	2.6	1													
A021A	0.81	320.9	Pn	04:11:06.649	-0.5	T__	849.6	15322643	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A021A	0.81	320.9	Sn	04:11:18.199	-0.9	T__	---	15322644	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML	:	2.9	0													
CRES	0.83	249.2	Pg	04:11:05.539	-0.5	T__	436.1	15322645	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.83	249.2	Lg	04:11:18.669	0.4	T__	---	15322646	FDSN	SL	--	BUD	iLoc	BHE	???	_
(Station ML	:	2.6	1													
A273A	0.89	103.2	Pg	04:11:07.173	-0.3	T__	236.8	15322647	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A273A	0.89	103.2	Sn	04:11:20.981	-0.0	T__	---	15322648	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML	:	2.4	1													
A265A	0.90	70.3	Pg	04:11:07.711	-0.1	T__	285.1	15322649	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A265A	0.90	70.3	Lg	04:11:20.284	0.5	T__	---	15322650	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML	:	2.5	1													
A261A	0.92	25.6	Pg	04:11:06.948	-1.0	T__	252.2	15322651	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A261A	0.92	25.6	Lg	04:11:21.397	0.8	T__	---	15322652	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML	:	2.4	1													
A010A	1.01	340.4	Sn	04:11:23.548	-0.1	T__	---	15322653	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KOVH	1.06	91.6	Pn	04:11:08.847	-1.4	T__	294.8	15322654	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	1.06	91.6	Lg	04:11:23.147	-1.5	T__	---	15322655	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML	:	2.6	1													
A260A	1.16	4.5	Lg	04:11:29.094	1.1	T__	---	15322656	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A266A	1.24	70.6	Lg	04:11:31.470	1.2	T__	---	15322657	FDSN	Z3	00	BUD	iLoc	HHN	???	_
ARSA	1.34	327.7	Pn	04:11:14.177	-0.3	T__	82.5	15322658	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
ARSA	1.34	327.7	Sn	04:11:31.378	-0.4	T__	---	15322659	FDSN	OE	--	BUD	iLoc	BHN	???	_
(Station ML	:	2.2	1													
A011B	1.35	342.0	Pn	04:11:15.148	0.6	T__	52.1	15322660	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A011B	1.35	342.0	Lg	04:11:33.545	0.4	T__	---	15322661	FDSN	Z3	00	BUD	iLoc	HH3	???	_
(Station ML	:	2.0	0													
BLY	1.41	162.0	Lg	04:11:37.138	2.6	T__	---	15322662	FDSN	MN	--	BUD	iLoc	BHN	???	_
MORH	1.44	85.7	Pn	04:11:14.482	-0.8	T__	20.6	15322663	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.44	85.7	Sn	04:11:35.653	1.2	T__	---	15322664	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML	:	1.6	0													
OBKA	1.45	286.0	Lg	04:11:36.874	-0.1	T__	---	15322665	FDSN	OE	--	BUD	iLoc	BHN	???	_
SOP	1.56	359.7	Pn	04:11:18.299	1.0	T__	72.9	15322666	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_

(Station ML : 2.2 1
 A019A 1.67 322.8 Pn 04:11:20.282 0.9 T__ 74.6 ___ MLv 15322667 FDSN Z3 00 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
2019/11/26	07:25:31.36	0.77	1.12	47.5065	18.0559	4.3	2.7	150	8.9F	5.5	26	17	70	0.12	1.74	m	ke BUD	15322756	iLoc			91

Magnitude Err Nsta Author OrigID
 ML 1.9 0.1 8 ILOC 15322756

Sta	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	0.12	230.0	Pg	07:25:34.198	-0.2					T__		1709.3		___	MLv	15322758	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_		
HU08A	0.12	230.0	Lg	07:25:37.317	0.3					T__				___		15322759	FDSN	ZJ	00	BUD	iLoc	HHN	???	_		
(Station ML : 1.9 1																										
HU09A	0.26	59.0	Pg	07:25:36.764	-0.1					T__		496.9		___	MLv	15322760	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_		
HU09A	0.26	59.0	Lg	07:25:41.097	-0.4					T__				___		15322761	FDSN	ZJ	00	BUD	iLoc	HHN	???	_		
(Station ML : 1.7 1																										
SRO	0.35	29.4	Pg	07:25:38.819	0.1					T__		1822.2		___	MLv	15322762	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_		
SRO	0.35	29.4	Lg	07:25:44.722	0.1					T__				___		15322763	FDSN	SK	--	BUD	iLoc	EHN	???	_		
(Station ML : 2.5 0																										
A339A	0.42	320.2	Lg	07:25:47.060	0.4					T__				___		15322764	FDSN	Z3	00	BUD	iLoc	HHE	???	_		
BUD	0.66	91.6	Lg	07:25:54.391	-0.7					T__				___		15322765	FDSN	HU	--	BUD	iLoc	BHN	???	_		
A003A	0.72	290.8	Lg	07:25:55.185	-1.0					T__				___		15322766	FDSN	Z3	00	BUD	iLoc	HH3	???	_		
HU10A	0.73	62.1	Pn	07:25:46.234	-0.4					T__		130.8		___	MLv	15322767	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_		
HU10A	0.73	62.1	Lg	07:25:57.227	-0.5					T__				___		15322768	FDSN	ZJ	00	BUD	iLoc	HHE	???	_		
(Station ML : 2.0 1																										
A335A	0.96	11.2	Sn	07:26:01.846	-2.7					T__				___		15322769	FDSN	Z3	00	BUD	iLoc	HHE	???	_		
A336A	0.97	40.8	Pn	07:25:50.610	0.8					T__		128.1		___	MLv	15322770	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
A336A	0.97	40.8	Sn	07:26:03.678	-0.8					T__				___		15322771	FDSN	Z3	00	BUD	iLoc	HHZ	???	_		
(Station ML : 2.1 1																										
MODS	1.01	329.2	Pn	07:25:51.134	0.3					T__				___		15322772	FDSN	SK	--	BUD	iLoc	HHZ	???	_		
MODS	1.01	329.2	Sn	07:26:04.213	-1.7					T__				___		15322773	FDSN	SK	--	BUD	iLoc	HHN	???	_		
SOP	1.03	280.5	Sn	07:26:04.875	-0.6					T__				___		15322774	FDSN	HU	--	BUD	iLoc	BHN	???	_		
PSZ	1.31	71.0	Pn	07:25:56.732	1.9					T__		42.2		___	MLv	15322775	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	1.31	71.0	Sn	07:26:15.256	2.0					T__				___		15322776	FDSN	GE	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.9 1																										
MORH	1.35	162.4	Pn	07:25:56.681	1.7					T__		11.5		___	MLv	15322777	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_		
MORH	1.35	162.4	Lg	07:26:16.783	-0.3					T__				___		15322778	FDSN	HU	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.3 0																										
JAVC	1.38	349.4	Sn	07:26:16.885	1.3					T__				___		15322779	FDSN	CZ	--	BUD	iLoc	BHN	???	_		
KOVH	1.42	178.8	Lg	07:26:19.073	0.7					T__				___		15322780	FDSN	HU	--	BUD	iLoc	BHN	???	_		
CONA	1.54	286.7	Pg	07:26:01.058	-0.2					T__		38.0		___	MLv	15322781	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_		
CONA	1.54	286.7	Lg	07:26:21.465	-0.1					T__				___		15322782	FDSN	OE	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.9 1																										
ARSA	1.74	262.5	Lg	07:26:26.605	-0.4					T__				___		15322783	FDSN	OE	--	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
2019/11/26	08:00:33.20	3.47	0.40	47.8526	19.9296	23.0	6.4	18	0.0S		5	3	284	0.07	0.76	m	kx BUD	15322741	iLoc			336
2019/11/26	08:00:32.70f	0.37	47.8285	19.9317f					0.0S		5		291	0.09	0.78	a	kx BUD_GT	15328835	BUD			337

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

Magnitude	Err	Nsta	Author	OrigID																				
Sta	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	08:00:35.544	0.2					T__		651.8		---	MLv	15330756	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.09	344.4	Lg	08:00:37.020	-0.8					T__				---		15330757	FDSN	GE	--	BUD	BUD	BHN	???	_
HU02A	0.50	53.4	Pg	08:00:43.457	0.2					T__		29.3		---	MLv	15330758	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.50	53.4	Lg	08:00:51.391	-0.0					T__				---		15330759	FDSN	ZJ	00	BUD	BUD	HHN	???	_
JOS	0.78	31.1	Lg	08:01:00.255	0.1					T__				---		15330760	FDSN	ZJ	--	BUD	BUD	HHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/11/26	10:07:42.68	1.01	0.32	46.1506	18.2848	6.7	3.6	150	0.0S		6	3	168	0.14	0.38	m	kx BUD	15322817	iLoc			282
2019/11/26	10:07:42.83f		0.52	46.1765	18.2926f				0.0S		6		155	0.16	0.35	a	kx BUD_GT	15328839	BUD			276

(GT info : GT2 explosion)
 (description : known quarry blast)
 (locality : Komló-II Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.6	3 BUD	15322817
ML	1.5	0.5	3 ILOC	15328839

Sta	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	236.7	Pg	10:07:46.256	-0.4					T__		554.9		---	MLv	15330761	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.16	236.7	Lg	10:07:49.055	-0.7					T__				---		15330762	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 1.5 1																								
MORH	0.25	80.7	Pg	10:07:48.597	0.3					T__		55.2		---	MLv	15330763	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.25	80.7	Lg	10:07:52.465	-0.3					T__				---		15330764	FDSN	HU	--	BUD	BUD	BHN	???	_
(Station ML : 0.7 1																								
A266A	0.35	356.8	Pg	10:07:50.768	0.4					T__		334.7		---	MLv	15330765	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A266A	0.35	356.8	Lg	10:07:57.034	0.8					T__				---		15330766	FDSN	Z3	00	BUD	BUD	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/11/26	11:33:02.75	1.57	1.26	48.5491	20.8181	11.9	5.5	116	0.0S		12	7	114	0.19	0.93	m	sx BUD	15322838	iLoc			186

(description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.2	6 ILOC	15322838

Sta	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	11:33:06.949	0.1					T__		307.8		---	MLv	15322840	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.19	254.1	Lg	11:33:10.542	0.5					T__				---		15322841	FDSN	ZJ	--	BUD	iLoc	HHN	???	_
(Station ML : 1.3 1																								
KECS	0.23	253.5	Pg	11:33:07.407	-0.2					T__		1399.1		---	MLv	15322842	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.23	253.5	Lg	11:33:10.978	-0.3					T__				---		15322843	FDSN	SK	--	BUD	iLoc	EHN	???	_


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(Station ML : 2.1 0
ABAH 0.38 131.9 Pn 11:33:12.418 -3.1 T__ 85.4 ___ MLv 15322844 FDSN HU -- BUD iLoc HHN HHZ _
(Station ML : 1.3 0
HU02A 0.47 204.7 Lg 11:33:20.457 0.1 T__ ___ 15322845 FDSN ZJ 00 BUD iLoc HHE ??? _
PSZ 0.88 224.7 Pn 11:33:22.330 0.8 T__ ___ MLv 15322846 FDSN GE -- BUD iLoc BHZ BHZ _
PSZ 0.88 224.7 Lg 11:33:34.324 -0.3 T__ ___ 15322847 FDSN GE -- BUD iLoc BHE ??? _
(Station ML : 1.6 1
STHS 0.91 17.7 Pn 11:33:20.335 -1.6 T__ ___ MLv 15322848 FDSN SK -- BUD iLoc EHE EHZ _
STHS 0.91 17.7 Lg 11:33:33.591 0.3 T__ ___ 15322849 FDSN SK -- BUD iLoc EHN ??? _
(Station ML : 1.8 1
NIE 0.93 339.3 Pn 11:33:23.185 0.9 T__ ___ MLv 15322850 FDSN PL -- BUD iLoc BHZ BHZ _
NIE 0.93 339.3 Lg 11:33:33.419 -0.2 T__ ___ 15322851 FDSN PL -- BUD iLoc BHE ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2019/11/27 08:42:07.82 2.47 0.60 47.8095 19.1250 39.3 4.1 5 0.0S 7 4 218 0.08 1.17 m kx BUD 15322877 iLoc 335
2019/11/27 08:42:07.99f 0.46 47.8355 19.1270f 0.0S 7 197 0.07 1.15 a kx BUD_GT 15328845 BUD 333
(GT info : GT2 explosion)
(description : known quarry blast)
(locality : Sejce-Vác Hungary)

```

```

Magnitude Err Nsta Author OrigID
ML 1.6 0.1 4 BUD 15322877
ML 1.6 0.1 4 ILOC 15328845

```

```

Sta 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 0.07 277.6 Pg 08:42:10.260 0.3 T__ 1239.9 ___ MLv 15330767 FDSN ZJ 00 BUD BUD HHZ HHZ _
HU10A 0.07 277.6 Lg 08:42:11.213 -0.7 T__ ___ 15330768 FDSN ZJ 00 BUD BUD HHN ??? _
(Station ML : 1.6 1
PSZ 0.52 80.6 Pg 08:42:19.465 0.1 T__ ___ MLv 15330769 FDSN GE -- BUD BUD BHZ BHZ _
PSZ 0.52 80.6 Lg 08:42:27.506 -0.3 T__ ___ 15330770 FDSN GE -- BUD BUD BHE ??? _
(Station ML : 1.4 1
HU02A 0.98 72.5 Pn 08:42:27.590 -0.5 T__ ___ MLv 15330771 FDSN ZJ 00 BUD BUD HHZ HHZ _
(Station ML : 1.5 1
JOS 1.15 54.5 Pg 08:42:31.639 0.8 T__ ___ MLv 15330772 FDSN ZJ -- BUD BUD HHN HHZ _
JOS 1.15 54.5 Sn 08:42:47.749 -0.1 T__ ___ 15330773 FDSN ZJ -- BUD BUD HHZ ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2019/11/27 13:04:34.83 0.48 0.33 46.1399 21.7527 5.5 1.7 104 38.5F 5.3 10 145 0.14 1.34 a ke BUC 15281548 ISC 360
2019/11/27 13:04:35.15 0.77 1.78 46.0957 22.0146 5.2 4.0 102 15.1F 12.1 24 7 96 0.30 1.25 m ke BUD 15322903 iLoc 182

```

```

Magnitude Err Nsta Author OrigID
ml 1.3 BUC 15281548
ML 1.5 0.3 4 ILOC 15322903

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
SIRR 0.30 304.9 Pg 13:04:42.235 0.4 T__ 179.5 ___ MLv 15322905 FDSN RO -- BUD iLoc BHZ BHZ _
SIRR 0.30 304.9 Lg 13:04:46.902 0.2 T__ ___ 15322906 FDSN RO -- BUD iLoc BHN ??? _
SIRR 0.30 305.0 Lg 13:04:46.393 -0.3 T__ ___ 15322907 FDSN IR -- ISC iLoc ??? ??? _

```

SIRR	0.30	305.0	Lg	13:04:46.393	-0.3	T__	---	---	15322908	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.4 1																	
BZS	0.54	208.9	Pn	13:04:48.196	-0.2	T__	---	29.7	15322909	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.55	210.3	Pg	13:04:45.991	-0.2	T__	---	---	15322910	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.55	210.3	Pg	13:04:45.991	-0.2	T__	---	---	15322911	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.55	210.3	Lg	13:04:53.640	-0.3	T__	---	---	15322912	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.3 1																	
DRGR	0.85	34.4	Pg	13:04:51.844	-0.2	T__	---	---	15322913	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.85	34.4	Pg	13:04:51.844	-0.2	T__	---	---	15322914	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.85	34.4	Lg	13:05:04.059	0.4	T__	---	---	15322915	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.85	34.4	Pg	13:04:47.314	-4.7	---	---	44.1	15322916	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.85	34.4	Lg	13:04:53.524	-10.2	---	---	---	15322917	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 1.6 1																	
GZR	0.88	142.5	Pg	13:04:52.756	0.6	T__	---	---	15322918	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.88	142.5	Pg	13:04:52.756	0.6	T__	---	0.1	15322919	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.88	142.5	Pn	13:04:53.974	1.5	T__	---	75.4	15322920	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	0.88	142.5	Lg	13:05:03.488	-0.7	T__	---	---	15322921	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	0.88	142.5	Sn	13:05:06.843	1.2	T__	---	0.1	15322922	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.88	142.5	Sn	13:05:06.843	1.2	T__	---	---	15322923	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.9 1																	
MARR	0.96	52.4	Pg	13:04:54.373	0.2	T__	---	---	15322924	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.96	52.4	Lg	13:04:58.982	-8.5	---	---	---	15322925	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.96	52.4	Sg	13:05:08.011	0.6	---	---	---	15322926	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.96	52.4	Sn	13:05:14.139	6.3	T__	---	---	15322927	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	1.24	31.1	Lg	13:05:12.935	-2.8	T__	---	---	15322928	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	1.24	31.1	Lg	13:05:12.935	-2.8	T__	---	0.1	15322929	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.25	166.8	Lg	13:05:14.620	-0.3	T__	---	---	15322930	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.25	166.8	Lg	13:05:14.620	-0.3	T__	---	---	15322931	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/11/28	11:43:42.73	1.20	0.86	48.2256	21.2183	8.3	6.0	7	0.0S	8	6	162	0.07	3.25	m	kx	BUD	15322953	iLoc			246
2019/11/28	11:43:42.76f		0.54	48.2470	21.2460f				0.0S	8	158	0.05	3.26	a	kx	BUD_GT	15328849	BUD				260
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Tallya Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.2	4 BUD	15322953
ML	1.4	0.2	4 ILOC	15328849

Sta	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	11:43:44.636	0.3					T__		7774.4		---	MLv	15330774	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_	
ABAH	0.05	355.1	Lg	11:43:45.594	-0.3					T__				---		15330775	FDSN	HU	--	BUD	BUD	HHE	???	_	
(Station ML : 2.3 1																									
HU02A	0.50	255.8	Pg	11:43:52.779	-0.6					T__		49.1		---	MLv	15330776	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_	
(Station ML : 1.4 1																									
JOS	0.53	298.0	Pg	11:43:54.029	0.5					T__		52.2		---	MLv	15330777	FDSN	ZJ	--	BUD	BUD	HHZ	HHZ	_	
(Station ML : 1.5 1																									
TRPA	0.87	97.2	Pn	11:44:00.481	-0.6					T__		18.8		---	MLv	15330778	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_	
TRPA	0.87	97.2	Lg	11:44:13.903	-0.3					T__				---		15330779	FDSN	HU	--	BUD	BUD	BHZ	???	_	
(Station ML : 1.3 1																									

JAVC	2.45	285.8	Pg	11:44:31.100	-0.2	T__									15330780	FDSN	IR	--	ISC	BUD	???	???	_
VRAC	3.26	290.8	Pg	11:44:46.500	1.0	T__									15330781	FDSN	IR	--	ISC	BUD	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/11/28	12:10:02.59	1.16	0.62	48.2174	21.2501	6.2	4.8	144	0.0S		9	6	157	0.08	0.96	m	kx BUD	15322980	iLoc			257
2019/11/28	12:10:02.90f		0.56	48.2470	21.2460f				0.0S		9		153	0.05	0.96	a	kx BUD_GT	15328853	BUD			255

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.3	5 BUD	15322980
ML	1.5	0.2	5 ILOC	15328853

Sta	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	12:10:04.931	0.5					T__		8867.0			MLv	15330782	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
ABAH	0.05	355.1	Lg	12:10:05.652	-0.4					T__						15330783	FDSN	HU	--	BUD	BUD	HHE	???	_
(Station ML : 2.4 0)																								
HU02A	0.50	255.8	Pg	12:10:12.753	-0.7					T__		49.0			MLv	15330784	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.50	255.8	Lg	12:10:21.098	-0.5					T__						15330785	FDSN	ZJ	00	BUD	BUD	HHN	???	_
(Station ML : 1.4 1)																								
JOS	0.53	298.0	Pg	12:10:14.250	0.6					T__		53.5			MLv	15330786	FDSN	ZJ	--	BUD	BUD	HHZ	HHZ	_
JOS	0.53	298.0	Lg	12:10:22.238	0.4					T__						15330787	FDSN	ZJ	--	BUD	BUD	HHN	???	_
(Station ML : 1.5 1)																								
KECS	0.56	295.3	Pg	12:10:14.723	0.5					T__		98.8			MLv	15330788	FDSN	SK	--	BUD	BUD	EHE	EHZ	_
(Station ML : 1.8 1)																								
TRPA	0.87	97.2	Pg	12:10:19.750	-0.2					T__		23.5			MLv	15330789	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
(Station ML : 1.4 0)																								
PSZ	0.96	250.6	Lg	12:10:36.741	-0.9					T__						15330790	FDSN	GE	--	BUD	BUD	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/11/28	23:25:41.55	1.15	0.63	47.9897	20.6404	6.7	5.0	152	8.6F		8.1	12	7	137	0.15	1.28	m	ke BUD	15323137	iLoc			204

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.0	5 ILOC	15323137

Sta	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	0.15	329.7	Pg	23:25:45.577	0.2					T__		84.6			MLv	15323139	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.15	329.7	Lg	23:25:48.166	-0.3					T__						15323140	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 0.7 0)																								
KECS	0.50	348.2	Pg	23:25:52.135	0.4					T__		99.6			MLv	15323141	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.50	348.2	Lg	23:25:59.506	0.1					T__						15323142	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.7 0)																								
ABAH	0.51	52.4	Pg	23:25:51.567	-0.1					T__		52.6			MLv	15323143	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.51	52.4	Lg	23:25:59.455	-0.3					T__						15323144	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.4 1)																								
PSZ	0.51	262.2	Pg	23:25:52.381	-0.1					T__		51.8			MLv	15323145	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.51	262.2	Lg	23:26:00.371	-0.0					T__						15323146	FDSN	GE	--	BUD	iLoc	BHN	???	_

```

(Station ML : 1.4 1
JOS 0.51 352.3 Pg 23:25:51.923 0.1 T__ 72.3 ___ MLv 15323147 FDSN ZJ -- BUD iLoc HHZ HHZ _
JOS 0.51 352.3 Lg 23:25:58.945 -0.6 T__ ___ 15323148 FDSN ZJ -- BUD iLoc HHE ??? _
(Station ML : 1.6 1
LTVH 1.04 124.9 Lg 23:26:18.208 1.2 T__ ___ 15323149 FDSN HU -- BUD iLoc HHE ??? _
TRPA 1.28 83.0 Sn 23:26:23.246 0.9 T__ ___ 15323150 FDSN HU -- BUD iLoc BHE ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2019/11/30 16:04:12.35 1.28 0.35 47.9884 20.6334 7.9 4.6 152 9.0F 7.4 10 5 209 0.15 0.51 m ke BUD 15323012 iLoc 278

```

```

Magnitude Err Nsta Author OrigID
ML 1.7 0.1 5 ILOC 15323012

```

```

Sta 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 0.15 331.5 Pg 16:04:16.309 0.1 T__ 110.0 ___ MLv 15323014 FDSN ZJ 00 BUD iLoc HHZ HHZ _
HU02A 0.15 331.5 Lg 16:04:19.111 -0.2 T__ ___ 15323015 FDSN ZJ 00 BUD iLoc HHE ??? _
(Station ML : 0.8 0
PSZ 0.50 262.3 Pg 16:04:23.178 -0.0 T__ 98.7 ___ MLv 15323016 FDSN GE -- BUD iLoc BHZ BHZ _
PSZ 0.50 262.3 Lg 16:04:31.015 0.1 T__ ___ 15323017 FDSN GE -- BUD iLoc BHN ??? _
(Station ML : 1.7 1
KECS 0.50 348.8 Pg 16:04:22.720 0.2 T__ 83.2 ___ MLv 15323018 FDSN SK -- BUD iLoc EHN EHZ _
KECS 0.50 348.8 Lg 16:04:30.099 -0.0 T__ ___ 15323019 FDSN SK -- BUD iLoc EHN ??? _
(Station ML : 1.6 1
ABAH 0.51 52.6 Pg 16:04:22.414 -0.1 T__ 104.0 ___ MLv 15323020 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.51 52.6 Lg 16:04:31.066 0.4 T__ ___ 15323021 FDSN HU -- BUD iLoc HHN ??? _
(Station ML : 1.7 1
JOS 0.51 352.8 Pg 16:04:22.904 0.3 T__ 108.6 ___ MLv 15323022 FDSN ZJ -- BUD iLoc HHZ HHZ _
JOS 0.51 352.8 Lg 16:04:29.685 -0.6 T__ ___ 15323023 FDSN ZJ -- 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
2019/12/02 10:00:16.27 1.04 0.78 48.5797 20.7635 5.9 3.7 20 0.0S 16 9 89 0.17 1.27 m sx BUD 15323045 iLoc 165
(description : suspected quarry blast)
(locality : Dvorniky-Vcelare Slovakia)

```

```

Magnitude Err Nsta Author OrigID
ML 1.7 0.2 8 ILOC 15323045

```

```

Sta 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 0.17 240.8 Pg 10:00:20.117 0.2 T__ 461.8 ___ MLv 15323047 FDSN ZJ -- BUD iLoc HHZ HHZ _
JOS 0.17 240.8 Lg 10:00:23.496 0.7 T__ ___ 15323048 FDSN ZJ -- BUD iLoc HHN ??? _
(Station ML : 1.4 1
KECS 0.21 242.5 Pg 10:00:20.637 -0.0 T__ 1038.3 ___ MLv 15323049 FDSN SK -- BUD iLoc EHE EHZ _
KECS 0.21 242.5 Lg 10:00:24.064 0.0 T__ ___ 15323050 FDSN SK -- BUD iLoc EHE ??? _
(Station ML : 1.9 0
ABAH 0.43 131.6 Pg 10:00:25.375 0.4 T__ 124.1 ___ MLv 15323051 FDSN HU -- BUD iLoc HHZ HHZ _
ABAH 0.43 131.6 Lg 10:00:31.823 -0.5 T__ ___ 15323052 FDSN HU -- BUD iLoc HHN ??? _
(Station ML : 1.6 1
HU02A 0.48 199.2 Pg 10:00:26.194 -0.3 T__ 50.3 ___ MLv 15323053 FDSN ZJ 00 BUD iLoc HHZ HHZ _

```

HU02A	0.48	199.2	Lg	10:00:33.865	-0.5	T__	---	15323054	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.3 0																
PSZ	0.88	221.6	Pg	10:00:34.909	0.1	T__	73.0	---	MLv	15323055	FDSN	GE	--	BUD	iLoc	BHZ BHZ _
PSZ	0.88	221.6	Lg	10:00:48.152	0.1	T__	---	---	---	15323056	FDSN	GE	--	BUD	iLoc	BHN ??? _
(Station ML : 1.9 1																
STHS	0.90	20.5	Pn	10:00:35.012	-0.3	T__	68.3	---	MLv	15323057	FDSN	SK	--	BUD	iLoc	EHZ EHZ _
(Station ML : 1.8 1																
LANS	1.03	304.2	Pg	10:00:36.400	-0.2	T__	46.4	---	MLv	15323058	FDSN	SK	--	BUD	iLoc	EHZ EHZ _
LANS	1.03	304.2	Lg	10:00:50.234	-0.2	T__	---	---	---	15323059	FDSN	SK	--	BUD	iLoc	EHN ??? _
(Station ML : 1.7 1																
A336A	1.23	254.2	Sn	10:00:58.379	0.3	T__	---	---	---	15323060	FDSN	Z3	00	BUD	iLoc	HH2 ??? _
TRPA	1.27	110.1	Pn	10:00:40.437	0.3	T__	21.7	---	MLv	15323061	FDSN	HU	--	BUD	iLoc	BHZ BHZ _
TRPA	1.27	110.1	Sn	10:00:56.740	-2.5	T__	---	---	---	15323062	FDSN	HU	--	BUD	iLoc	BHZ ??? _

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/12/02	11:40:02.22	1.12	0.69	47.7644	19.0523	6.6	3.9	11	0.0S		14	9	180	0.08	1.43	m	kx BUD	15323096	iLoc			223
2019/12/02	11:40:02.42f		0.62	47.7791	19.0372f				0.0S		14		176	0.07	1.41	a	kx BUD_GT	15328859	BUD			221
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Dunabogdány Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.1	6 BUD	15323096
ML	1.8	0.0	6 ILOC	15328859

Sta	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	0.07	349.3	Pg	11:40:04.712	0.4					T__		4933.1		---	MLv	15330791	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU10A	0.07	349.3	Lg	11:40:06.199	0.1					T__				---	---	15330792	FDSN	ZJ	00	BUD	BUD	HHN	???	_
(Station ML : 2.2 0																								
HU03A	0.40	71.6	Pg	11:40:11.584	0.6					T__		232.0		---	MLv	15330793	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU03A	0.40	71.6	Lg	11:40:18.061	0.7					T__				---	---	15330794	FDSN	ZJ	00	BUD	BUD	HHE	???	_
(Station ML : 1.8 0																								
A336A	0.46	356.8	Pg	11:40:12.040	0.2					T__		189.0		---	MLv	15330796	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A336A	0.46	356.8	Lg	11:40:18.525	-0.6					T__				---	---	15330797	FDSN	Z3	00	BUD	BUD	HHZ	???	_
(Station ML : 1.8 1																								
HU09A	0.46	252.6	Lg	11:40:19.601	-0.4					T__				---	---	15330795	FDSN	ZJ	00	BUD	BUD	HHN	???	_
A338A	0.52	297.4	Lg	11:40:22.184	0.3					T__				---	---	15330798	FDSN	Z3	00	BUD	BUD	HH2	???	_
PSZ	0.59	76.1	Pg	11:40:14.437	-0.8					T__		96.9		---	MLv	15330799	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.59	76.1	Lg	11:40:23.066	-1.6					T__				---	---	15330800	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.8 1																								
HU02A	1.06	70.5	Pg	11:40:23.946	-0.2					T__		57.5		---	MLv	15330801	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
(Station ML : 1.8 1																								
JOS	1.23	53.9	Pg	11:40:26.832	-0.0					T__		55.8		---	MLv	15330802	FDSN	ZJ	--	BUD	BUD	HHN	HHZ	_
JOS	1.23	53.9	Sn	11:40:44.736	0.4					T__				---	---	15330803	FDSN	ZJ	--	BUD	BUD	HHE	???	_
(Station ML : 1.9 1																								
JAVC	1.41	320.4	Sn	11:40:50.558	0.5					T__				---	---	15330804	FDSN	CZ	--	BUD	BUD	BHE	???	_

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

2019/12/03 09:58:03.67 1.20 0.77 48.5412 20.7575 8.9 3.3 3 0.0S 17 9 172 0.15 1.39 m sx BUD 15323172 iLoc 212
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.7 0.2 6 ILOC 15323172

Sta	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	252.7	Pg	09:58:06.917	-0.0					T__		450.9		---	MLv	15323174	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.15	252.7	Lg	09:58:10.432	0.9					T__				---		15323175	FDSN	ZJ	--	BUD	iLoc	HHN	???	_
				(Station ML : 1.4 1																				
KECS	0.19	252.3	Pg	09:58:07.421	-0.3					T__		1516.5		---	MLv	15323176	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.19	252.3	Lg	09:58:11.257	0.4					T__				---		15323177	FDSN	SK	--	BUD	iLoc	EHE	???	_
				(Station ML : 2.0 0																				
ABAH	0.40	127.2	Pg	09:58:11.800	-0.2					T__		0.1		---		15323178	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.40	127.2	Pg	09:58:12.568	0.6					T__		142.6		---	MLv	15323179	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.40	127.2	Lg	09:58:18.830	-0.2					T__				---		15323180	FDSN	HU	--	BUD	iLoc	HHN	???	_
				(Station ML : 1.6 1																				
HU02A	0.45	200.4	Pg	09:58:12.931	-0.2					T__		61.4		---	MLv	15323181	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.45	200.4	Lg	09:58:20.554	0.1					T__				---		15323182	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
				(Station ML : 1.3 0																				
PSZ	0.85	223.1	Pg	09:58:21.498	-0.1					T__		69.2		---	MLv	15323183	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.85	223.1	Lg	09:58:33.808	-0.6					T__				---		15323184	FDSN	GE	--	BUD	iLoc	BHE	???	_
				(Station ML : 1.8 1																				
A336A	1.21	255.9	Sn	09:58:45.154	0.0					T__				---		15323185	FDSN	Z3	00	BUD	iLoc	HH3	???	_
TRPA	1.26	108.4	Pg	09:58:27.977	0.1					T__		35.7		---	MLv	15323186	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
TRPA	1.26	108.4	Sn	09:58:44.956	-1.5					T__				---		15323187	FDSN	HU	--	BUD	iLoc	BHN	???	_
				(Station ML : 1.8 1																				
STZU	1.32	68.2	Pn	09:58:29.102	0.4					T__				---		15323188	FDSN	UA	--	BUD	iLoc	MHZ	???	_
STZU	1.32	68.2	Lg	09:58:46.280	-2.0					T__				---		15323189	FDSN	UA	--	BUD	iLoc	MHZ	???	_
LTVH	1.39	146.0	Lg	09:58:51.445	0.2					T__				---		15323190	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
 2019/12/04 10:29:20.79 1.25 0.66 48.5403 20.8024 9.2 3.5 8 0.0S 14 8 128 0.18 1.24 m sx BUD 15323217 iLoc 212
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.6 0.2 7 ILOC 15323217

Sta	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	255.8	Pg	10:29:24.478	-0.2					T__		360.4		---	MLv	15323219	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.18	255.8	Lg	10:29:28.289	0.6					T__				---		15323220	FDSN	ZJ	--	BUD	iLoc	HHN	???	_
				(Station ML : 1.4 0																				
KECS	0.22	254.9	Pg	10:29:24.992	-0.4					T__		808.4		---	MLv	15323221	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.22	254.9	Lg	10:29:29.312	0.4					T__				---		15323222	FDSN	SK	--	BUD	iLoc	EHE	???	_
				(Station ML : 1.8 1																				
ABAH	0.38	129.8	Pg	10:29:29.003	0.4					T__		111.7		---	MLv	15323223	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.38	129.8	Lg	10:29:33.747	-1.6					T__				---		15323224	FDSN	HU	--	BUD	iLoc	HHN	???	_
				(Station ML : 1.4 1																				
HU02A	0.46	204.0	Pg	10:29:30.468	-0.0					T__		62.2		---	MLv	15323225	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_

HU02A	0.46	204.0	Lg	10:29:38.229	0.3	T__	---	15323226	FDSN	ZJ	00	BUD	iLoc	HHE	???	_		
(Station ML : 1.4 1																		
PSZ	0.87	224.6	Pg	10:29:38.325	-0.8	T__	79.3	---	MLv	15323227	FDSN	GE	--	BUD	iLoc	BHZ BHZ _		
PSZ	0.87	224.6	Lg	10:29:52.827	0.6	T__	---	---	---	15323228	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.9 0																		
NIE	0.94	340.1	Pn	10:29:40.703	0.3	T__	43.4	---	MLv	15323229	FDSN	PL	--	BUD	iLoc	BHZ BHZ _		
(Station ML : 1.7 1																		
TRPA	1.23	108.8	Pg	10:29:44.599	0.1	T__	24.0	---	MLv	15323230	FDSN	HU	--	BUD	iLoc	BHZ BHZ _		
TRPA	1.23	108.8	Sn	10:30:02.650	-0.2	T__	---	---	---	15323231	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.6 1																		
A336A	1.24	256.3	Sn	10:30:03.385	0.4	T__	---	---	---	15323232	FDSN	Z3	00	BUD	iLoc	HH2	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/12/04	10:43:26.05	1.16	0.70	47.8205	19.1477	8.3	3.9	4	0.0S	8	4	207	0.09	0.97	m	kx	BUD	15323262	iLoc			267
2019/12/04	10:43:26.26f		0.60	47.8355	19.1270f				0.0S	8		197	0.07	0.98	a	kx	BUD_GT	15328867	BUD			267
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Sejce-Vác Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.2	4 BUD	15323262
ML	1.6	0.1	4 ILOC	15328867

Sta	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	0.07	277.6	Pg	10:43:28.812	0.6					T__		1392.9		---	MLv	15330805	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU10A	0.07	277.6	Lg	10:43:29.668	-0.5					T__				---	---	15330806	FDSN	ZJ	00	BUD	BUD	HHN	???	_
(Station ML : 1.6 1																								
A336A	0.41	347.9	Pg	10:43:35.400	0.7					T__		89.5		---	MLv	15330807	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A336A	0.41	347.9	Lg	10:43:41.086	-0.2					T__				---	---	15330808	FDSN	Z3	00	BUD	BUD	HH2	???	_
(Station ML : 1.4 1																								
PSZ	0.52	80.6	Pg	10:43:37.246	-0.4					T__		55.4		---	MLv	15330809	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.52	80.6	Lg	10:43:45.745	-0.3					T__				---	---	15330810	FDSN	GE	--	BUD	BUD	BHN	???	_
(Station ML : 1.5 1																								
HU02A	0.98	72.5	Pn	10:43:45.074	-1.2					T__		41.9		---	MLv	15330811	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.98	72.5	Lg	10:44:01.838	-0.2					T__				---	---	15330812	FDSN	ZJ	00	BUD	BUD	HHZ	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/12/04	13:23:40.66	0.89	1.84	46.8229	17.2735	4.8	4.3	111	0.0S	18	11	61	0.15	1.46	m	sx	BUD	15323289	iLoc			112
(description : suspected quarry blast)																						
(locality : Várvölgy Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.4	5 ILOC	15323289

Sta	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	326.5	Pg	13:23:44.518	0.1					T__		2335.0		---	MLv	15323291	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A261A	0.15	326.5	Lg	13:23:47.018	-0.4					T__				---	---	15323292	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 2.1 1																								

A263A	0.18	171.1	Lg	13:23:48.694	0.4	T__									15323293	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MPLH	0.39	27.6	Pg	13:23:48.249	-0.7	T__	114.8								15323294	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.39	27.6	Lg	13:23:55.215	-0.2	T__									15323295	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.5 1																							
TIH	0.43	79.5	Lg	13:23:58.600	1.9	T__									15323296	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.49	224.4	Lg	13:23:57.610	-0.5	T__									15323297	FDSN	HU	--	BUD	iLoc	BHN	???	_
BEHE	0.49	224.4	Sn	13:24:02.600	6.1	T__									15323298	FDSN	IR	--	ISC	iLoc	???	???	_
A266A	0.74	113.2	Sn	13:24:08.894	-1.0	T__									15323299	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KOGS	0.80	242.4	Pg	13:23:56.089	-0.4	T__	292.9								15323300	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.80	242.4	Lg	13:24:08.141	1.2	T__									15323301	FDSN	SL	--	BUD	iLoc	BHN	???	_
KOGS	0.80	242.4	Sn	13:24:10.800	-0.3	T__									15323302	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.4 0																							
KOVH	0.93	141.8	Pn	13:23:59.597	-0.2	T__	62.2								15323303	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.93	141.8	Lg	13:24:12.158	-0.1	T__									15323304	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.8 1																							
MORH	1.12	122.2	Pn	13:24:02.117	-0.3	T__	17.1								15323305	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.12	122.2	Sn	13:24:17.314	-1.7	T__									15323306	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.4 0																							
ARSA	1.27	290.3	Sn	13:24:22.446	0.0	T__									15323307	FDSN	OE	--	BUD	iLoc	BHN	???	_
CONA	1.46	319.6	Lg	13:24:30.126	1.7	T__									15323308	FDSN	OE	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/12/05	10:49:11.08	0.89	0.35	48.8549	20.4713	7.8	3.3	81	0.0S		17	10	104	0.36	1.55	m	sx	BUD	15323330	iLoc		139
(description : suspected quarry blast)																						
(locality : Gretla Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.2	7 ILOC	15323330

Sta	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	0.36	173.0	Pg	10:49:18.600	0.2					T__		206.3			MLv	15323332	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.36	173.0	Lg	10:49:24.627	0.6					T__						15323333	FDSN	ZJ	--	BUD	iLoc	HHZ	???	_
(Station ML : 1.6 1																								
KECS	0.37	178.5	Pg	10:49:18.724	0.1					T__		310.7			MLv	15323334	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.37	178.5	Lg	10:49:24.419	0.1					T__						15323335	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 1.8 1																								
NIE	0.57	349.6	Pg	10:49:22.248	0.3					T__		63.0			MLv	15323336	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.57	349.6	Lg	10:49:29.755	-0.4					T__						15323337	FDSN	PL	--	BUD	iLoc	BHE	???	_
(Station ML : 1.6 0																								
HU02A	0.73	177.2	Pg	10:49:26.201	-0.1					T__		103.2			MLv	15323338	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.73	177.2	Lg	10:49:37.208	-0.4					T__						15323339	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.9 1																								
ABAH	0.76	137.3	Pg	10:49:26.039	-0.1					T__		137.1			MLv	15323340	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.76	137.3	Lg	10:49:38.215	-0.3					T__						15323341	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 2.1 1																								
PSZ	1.01	202.5	Pn	10:49:31.684	-0.0					T__		115.1			MLv	15323342	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	1.01	202.5	Lg	10:49:46.752	-0.6					T__						15323343	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 2.1 1																								
A336A	1.16	238.1	Sn	10:49:51.161	-0.3					T__						15323344	FDSN	Z3	00	BUD	iLoc	HH3	???	_
STZU	1.43	82.7	Pg	10:49:38.180	0.1					T__						15323345	FDSN	UA	--	BUD	iLoc	MHZ	???	_
OJC	1.43	342.5	Pg	10:49:39.290	-0.0					T__		162.6			MLv	15323346	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_


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OJC      1.43 342.5 Sn      10:49:58.331 -0.5      T__      ---      15323347  FDSN PL      -- BUD  iLoc  BHN ??? _
(Station ML : 2.5 0)
TRPA     1.55 117.0 Sn      10:50:01.366  0.2      T__      ---      15323348  FDSN HU      -- 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
2019/12/05 13:14:08.43  1.03  0.57 47.9074  19.4536  8.5   3.1  11  0.0S      12   7 166  0.10  0.93 m  kx BUD      15323378  iLoc      225
2019/12/05 13:14:08.20f  0.87  47.9151  19.4088f  0.0S      12   160  0.13  0.95 a  kx BUD_GT  15328875  BUD      224
(GT info : GT2 explosion)
(description : known quarry blast)
(locality : Szanda Hungary)

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Magnitude Err Nsta Author      OrigID
ML      1.8 0.1   5 BUD      15323378
ML      1.9 0.1   5 ILOC     15328875

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Sta  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  95.0 Pg      13:14:11.725  0.4      T__      1737.8  --- MLv  15330813  FDSN ZJ  00 BUD  BUD  HHZ HHZ _
HU03A  0.13  95.0 Lg      13:14:13.119 -0.7      T__      ---      15330814  FDSN ZJ  00 BUD  BUD  HHZ ??? _
(Station ML : 1.9 1)
HU10A  0.27  255.2 Lg      13:14:19.539  0.6      T__      ---      15330817  FDSN ZJ  00 BUD  BUD  HHE ??? _
PSZ    0.33  89.2 Pg      13:14:14.969 -0.6      T__      157.6  --- MLv  15330815  FDSN GE  -- BUD  BUD  BHZ BHZ _
PSZ    0.33  89.2 Lg      13:14:20.465 -0.8      T__      ---      15330816  FDSN GE  -- BUD  BUD  BHN ??? _
(Station ML : 1.4 0)
A336A  0.42  319.4 Pg      13:14:18.124  1.2      T__      296.5  --- MLv  15330818  FDSN Z3  00 BUD  BUD  HHZ HHZ _
A336A  0.42  319.4 Lg      13:14:24.933  1.2      T__      ---      15330819  FDSN Z3  00 BUD  BUD  HH3 ??? _
(Station ML : 1.9 1)
HU02A  0.78  74.1 Pg      13:14:23.061 -1.3      T__      64.9   --- MLv  15330820  FDSN ZJ  00 BUD  BUD  HHZ HHZ _
HU02A  0.78  74.1 Lg      13:14:35.502 -1.1      T__      ---      15330821  FDSN ZJ  00 BUD  BUD  HHN ??? _
(Station ML : 1.7 1)
KECS   0.92  51.3 Lg      13:14:39.600 -0.7      T__      ---      15330822  FDSN SK  -- BUD  BUD  EHN ??? _
JOS    0.95  52.0 Pn      13:14:27.526 -0.2      T__      131.8  --- MLv  15330823  FDSN ZJ  -- BUD  BUD  HHZ HHZ _
JOS    0.95  52.0 Sn      13:14:42.352 -0.8      T__      ---      15330824  FDSN ZJ  -- BUD  BUD  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
2019/12/06 19:03:48.79  0.83  0.95 47.9329  19.2537  4.5   2.8  23  5.8F  9.5  20  12  85  0.18  1.39 m  ke BUD      15323413  iLoc      124

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Magnitude Err Nsta Author      OrigID
ML      1.8 0.3   8 ILOC     15323413

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Sta  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  0.18  241.1 Pg      19:03:52.741 -0.1      T__      252.1  --- MLv  15323415  FDSN ZJ  00 BUD  iLoc  HHZ HHZ _
HU10A  0.18  241.1 Lg      19:03:55.535 -0.5      T__      ---      15323416  FDSN ZJ  00 BUD  iLoc  HHN ??? _
(Station ML : 1.2 0)
HU03A  0.23  97.0 Pg      19:03:54.622  0.7      T__      251.3  --- MLv  15323417  FDSN ZJ  00 BUD  iLoc  HHZ HHZ _
(Station ML : 1.4 1)
A336A  0.35  330.5 Pg      19:03:56.663  0.7      T__      205.8  --- MLv  15323418  FDSN Z3  00 BUD  iLoc  HHZ HHZ _
A336A  0.35  330.5 Lg      19:04:01.664  0.3      T__      ---      15323419  FDSN Z3  00 BUD  iLoc  HH2 ??? _
(Station ML : 1.6 1)

```

PSZ	0.43	91.7	Pg	19:03:58.109	-0.0	T__	125.3	---	MLv	15323420	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	0.43	91.7	Lg	19:04:04.470	-0.5	T__		---		15323421	FDSN	GE	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.6 1																			
HU23A	0.73	113.3	Pg	19:04:04.330	0.1	T__	323.7	---	MLv	15323422	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
HU23A	0.73	113.3	Lg	19:04:15.808	0.8	T__		---		15323423	FDSN	ZJ	00	BUD	iLoc	HHN	???	_	
(Station ML : 2.4 0																			
A335A	0.80	310.3	Pg	19:04:05.111	0.2	T__	99.0	---	MLv	15323424	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A335A	0.80	310.3	Lg	19:04:15.644	-1.4	T__		---		15323425	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
(Station ML : 1.9 1																			
HU02A	0.87	77.0	Pg	19:04:06.323	-0.4	T__	113.3	---	MLv	15323426	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
HU02A	0.87	77.0	Lg	19:04:18.822	-1.1	T__		---		15323427	FDSN	ZJ	00	BUD	iLoc	HHE	???	_	
(Station ML : 2.0 1																			
A332A	1.02	329.2	Lg	19:04:22.307	-1.3	T__		---		15323428	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
JOS	1.03	56.3	Pn	19:04:09.242	0.8	T__	84.6	---	MLv	15323429	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_	
JOS	1.03	56.3	Lg	19:04:23.699	-0.4	T__		---		15323430	FDSN	ZJ	--	BUD	iLoc	HHN	???	_	
(Station ML : 2.0 1																			
HU04A	1.13	172.2	Sn	19:04:27.131	1.0	T__		---		15323431	FDSN	ZJ	00	BUD	iLoc	HHN	???	_	
MPLH	1.39	237.3	Sn	19:04:34.648	1.9	T__		---		15323432	FDSN	HU	--	BUD	iLoc	BHE	???	_	
MODS	1.39	289.1	Pn	19:04:14.954	1.0	T__		---		15323433	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	1.39	289.1	Sn	19:04:34.726	1.0	T__		---		15323434	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
2019/12/08	07:51:36.75	0.85	0.72	46.5748	17.4037	4.2	3.7	170	7.1F	7.4	17	10	85	0.09	1.55	m	ke	BUD	15323468	iLoc		137

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.2	9 ILOC	15323468

Sta	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	0.09	317.2	Pg	07:51:38.548	-0.7					T__		2024.0		---	MLv	15323470	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A263A	0.09	317.2	Lg	07:51:40.424	-0.7					T__				---		15323471	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 1.9 1																								
A265A	0.31	118.9	Pg	07:51:43.833	0.6					T__		314.3		---	MLv	15323472	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.7 1																								
A264A	0.42	190.9	Pg	07:51:45.047	-0.4					T__		217.3		---	MLv	15323473	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A264A	0.42	190.9	Lg	07:51:52.289	1.0					T__				---		15323474	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 1.8 1																								
BEHE	0.45	256.7	Pg	07:51:45.315	-0.6					T__		70.7		---	MLv	15323475	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BEHE	0.45	256.7	Lg	07:51:52.907	0.8					T__				---		15323476	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.4 1																								
A266A	0.60	94.4	Pg	07:51:48.947	0.2					T__		141.3		---	MLv	15323477	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.0 1																								
MPLH	0.60	8.8	Pg	07:51:48.587	-0.2					T__		84.3		---	MLv	15323478	FDSN	HU	--	BUD	iLoc	BHN	BHZ	_
MPLH	0.60	8.8	Lg	07:51:57.959	0.4					T__				---		15323479	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.8 1																								
KOVH	0.69	135.0	Pg	07:51:49.988	-0.6					T__		60.0		---	MLv	15323480	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.69	135.0	Lg	07:51:59.245	-0.6					T__				---		15323481	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.7 1																								
KOGS	0.81	261.4	Pg	07:51:52.970	0.4					T__				---		15323482	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	0.81	261.4	Lg	07:52:04.335	1.4					T__				---		15323483	FDSN	SL	--	BUD	iLoc	BHN	???	_
MORH	0.93	112.2	Pn	07:51:54.424	-0.3					T__		20.8		---	MLv	15323484	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	0.93	112.2	Lg	07:52:07.242	-0.6					T__				---		15323485	FDSN	HU	--	BUD	iLoc	BHE	???	_

(Station ML : 1.3 0
 CRES 1.55 241.7 Pn 07:52:04.182 0.2 T__ 254.4 ___ MLv 15323486 FDSN SL -- BUD iLoc BHZ BHZ _

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/12/09 10:05:02.30 1.40 0.73 48.5672 20.7793 10.7 3.7 3 0.0S 15 9 129 0.18 1.40 m sx BUD 15323524 iLoc 214
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.7 0.4 7 ILOC 15323524

Sta	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	246.0	Pg	10:05:06.222	0.2					T__		405.3		___	MLv	15323526	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_		
JOS	0.18	246.0	Lg	10:05:10.203	1.2					T__				___		15323527	FDSN	ZJ	--	BUD	iLoc	HHE	???	_		
(Station ML : 1.4 0)																										
KECS	0.21	246.8	Pg	10:05:06.750	-0.0					T__		1323.4		___	MLv	15323528	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_		
KECS	0.21	246.8	Lg	10:05:09.218	-1.0					T__				___		15323529	FDSN	SK	--	BUD	iLoc	EHE	???	_		
(Station ML : 2.0 1)																										
ABAH	0.41	131.3	Pg	10:05:11.101	0.4					T__		104.0		___	MLv	15323530	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
ABAH	0.41	131.3	Lg	10:05:17.131	-0.7					T__				___		15323531	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Station ML : 1.5 1)																										
HU02A	0.48	200.9	Pg	10:05:12.498	0.1					T__		69.1		___	MLv	15323532	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_		
HU02A	0.48	200.9	Lg	10:05:20.004	-0.1					T__				___		15323533	FDSN	ZJ	00	BUD	iLoc	HHE	???	_		
(Station ML : 1.5 1)																										
PSZ	0.88	222.7	Pn	10:05:20.159	-0.8					T__		131.3		___	MLv	15323534	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	0.88	222.7	Lg	10:05:33.849	-0.2					T__				___		15323535	FDSN	GE	--	BUD	iLoc	BHN	???	_		
(Station ML : 2.1 0)																										
NIE	0.91	340.4	Pn	10:05:20.821	-0.6					T__		52.8		___	MLv	15323536	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_		
(Station ML : 1.7 1)																										
A336A	1.23	254.9	Sn	10:05:44.777	0.5					T__				___		15323537	FDSN	Z3	00	BUD	iLoc	HH3	???	_		
TRPA	1.25	109.8	Pg	10:05:26.470	0.0					T__		43.6		___	MLv	15323538	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_		
TRPA	1.25	109.8	Sn	10:05:43.874	-1.1					T__				___		15323539	FDSN	HU	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.8 1)																										
LTVH	1.40	147.1	Sn	10:05:48.760	0.7					T__				___		15323540	FDSN	HU	--	BUD	iLoc	HHN	???	_		

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/12/09 12:16:51.33 1.01 0.41 47.9146 20.1461 7.6 4.0 159 0.0S 6 4 115 0.17 0.64 m sx BUD 15323570 iLoc 220
 (description : suspected quarry blast)
 (locality : Kismána Hungary)

Magnitude Err Nsta Author OrigID
 ML 1.4 0.3 3 ILOC 15323570

Sta	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	271.4	Pg	12:16:55.692	0.2					T__		437.3		___	MLv	15323572	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	0.17	271.4	Lg	12:16:58.496	-0.5					T__				___		15323573	FDSN	GE	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.4 1)																										
HU23A	0.28	165.8	Lg	12:17:02.660	0.0					T__				___		15323574	FDSN	ZJ	00	BUD	iLoc	HHN	???	_		

HU02A	0.33	50.6	Pg	12:16:58.468	-0.1	T__	99.0	___	MLv	15323575	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
HU02A	0.33	50.6	Lg	12:17:04.125	-0.1	T__		---		15323576	FDSN	ZJ	00	BUD	iLoc	HHN	???	_	
(Station ML : 1.2 1																			
JOS	0.64	24.1	Pg	12:17:04.571	0.4	T__	104.1	---	MLv	15323577	FDSN	ZJ	--	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
2019/12/10	09:42:12.91	1.07	1.36	46.1323	18.3232	9.8	3.7	162	0.0S	7	5	184	0.16	1.17	m	kx	BUD	15323591	iLoc			260
2019/12/10	09:42:13.17f		1.34	46.1765	18.2926f				0.0S	7		155	0.16	1.12	a	kx	BUD_GT	15328883	BUD			239
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Komló-II Hungary)																						

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	236.7	Pg	09:42:16.831	-0.2					T__		519.5		---	MLv	15330825	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.16	236.7	Lg	09:42:19.274	-0.8					T__				---		15330826	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.25	80.7	Pg	09:42:18.460	-0.2					T__		54.4		---	MLv	15330827	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.25	80.7	Lg	09:42:22.328	-0.8					T__				---		15330828	FDSN	HU	--	BUD	BUD	BHN	???	_
A266A	0.35	356.8	Lg	09:42:26.264	-0.3					T__				---		15330829	FDSN	Z3	00	BUD	BUD	HHN	???	_
A265A	0.42	305.9	Lg	09:42:31.786	3.1					T__				---		15330830	FDSN	Z3	00	BUD	BUD	HHN	???	_
MPLH	1.12	332.7	Lg	09:42:53.371	1.3					T__				---		15330831	FDSN	HU	--	BUD	BUD	BHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/12/10	10:36:33.51	1.35	0.49	48.5363	20.7770	10.0	3.8	10	0.0S	11	6	146	0.16	0.93	m	sx	BUD	15323608	iLoc			232
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.3	6 ILOC	15323608

Sta	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	255.7	Pg	10:36:36.820	-0.2					T__		326.4		---	MLv	15323610	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.16	255.7	Lg	10:36:40.499	0.7					T__				---		15323611	FDSN	ZJ	--	BUD	iLoc	HHN	???	_
(Station ML : 1.3 0																								
KECS	0.20	254.8	Pg	10:36:37.382	-0.4					T__		2184.4		---	MLv	15323612	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.20	254.8	Lg	10:36:41.464	0.4					T__				---		15323613	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 2.2 0																								
ABAH	0.39	127.8	Pg	10:36:41.747	0.2					T__		82.6		---	MLv	15323614	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.39	127.8	Lg	10:36:47.622	-0.8					T__				---		15323615	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.3 1																								
HU02A	0.45	202.2	Pg	10:36:43.048	0.0					T__		91.3		---	MLv	15323616	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.45	202.2	Lg	10:36:50.286	-0.0					T__				---		15323617	FDSN	ZJ	00	BUD	iLoc	HHZ	???	_
(Station ML : 1.5 1																								
PSZ	0.85	224.0	Pn	10:36:51.621	-0.2					T__		91.4		---	MLv	15323618	FDSN	GE	--	BUD	iLoc	BHE	BHZ	_
PSZ	0.85	224.0	Lg	10:37:04.324	-0.1					T__				---		15323619	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.9 1																								
NIE	0.93	341.1	Pn	10:36:53.704	0.7					T__		56.7		---	MLv	15323620	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/12/10	15:22:00.10	0.35	0.45	48.1823	19.0579				1.5	1.9	19	11	69	0.06	1.20	m	ke BUD	15264579	sysop@krszo			360
2019/12/10	15:21:58.95	0.83	1.06	48.1752	19.0532	4.1	3.3	11	9.9F	1.9	19	11	69	0.07	1.20	m	ke BUD_GT	15323646	iLoc		137	

(GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)

Magnitude	Err	Nsta	Author	OrigID
M	1.8	7	BUD	15264579
MLv	1.8 0.2	7	BUD	15264579
ML	1.9 0.3	7	ILOC	15323646

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
A336A	0.07	328.1	Pg	15:22:01.901	0.6					T__		1515.9		___	MLv	15323648	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A336A	0.07	328.1	Lg	15:22:02.794	-0.5					T__				___		15323649	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
(Station ML : 1.7 1																								
HU10A	0.33	184.0	Pg	15:22:06.533	0.5					T__		143.3		___	MLv	15323650	FDSN	ZJ	00	BUD	iLoc	HHN	HHZ	_
HU10A	0.33	184.0	Lg	15:22:10.770	-0.8					T__				___		15323651	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 1.4 0																								
A338A	0.50	251.4	Lg	15:22:16.554	-0.7					T__				___		15323652	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A335A	0.55	299.9	Pg	15:22:10.553	0.3					T__		123.3		___	MLv	15323653	FDSN	Z3	00	BUD	iLoc	HHN	HHZ	_
A335A	0.55	299.9	Lg	15:22:16.985	-1.7					T__				___		15323654	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 1.9 1																								
PSZ	0.62	114.2	Pg	15:22:12.293	0.1					T__		104.5		___	MLv	15323655	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.62	114.2	Lg	15:22:20.882	-0.6					T__				___		15323656	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.9 1																								
HU02A	0.99	92.5	Pn	15:22:18.809	1.1					T__		96.5		___	MLv	15323657	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.99	92.5	Lg	15:22:32.334	-1.0					T__				___		15323658	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 2.0 1																								
KECS	1.00	71.6	Lg	15:22:32.540	-0.5					T__				___		15323659	FDSN	SK	--	BUD	iLoc	EHN	???	_
LANS	1.01	15.6	Pg	15:22:19.203	0.2					T__		35.6		___	MLv	15323660	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
LANS	1.01	15.6	Lg	15:22:32.486	0.0					T__				___		15323661	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 1.6 1																								
JOS	1.04	71.5	Pg	15:22:19.407	-0.1					T__		147.3		___	MLv	15323662	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	1.04	71.5	Lg	15:22:33.658	-0.5					T__				___		15323663	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 2.2 0																								
JAVC	1.15	307.2	Pn	15:22:22.715	2.3					T__				___		15323664	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MODS	1.20	280.1	Pn	15:22:22.664	1.7					T__				___		15323665	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	1.20	280.1	Sn	15:22:39.000	0.6					T__				___		15323666	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
2019/12/11	08:20:02.17	0.93	0.96	47.2847	17.5977	5.7	3.7	85	0.0S		12	9	100	0.12	1.68	m	sx BUD	15323696	iLoc			136

(description : suspected quarry blast)
(locality : Nemetbánya Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	2.0 0.3	3	ILOC	15323696

Sta	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	0.12	199.1	Pg	08:20:05.254	0.0	T__	940.4	---	MLv	15323698	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.12	199.1	Lg	08:20:07.478	-0.3	T__		---		15323699	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.6 1																		
EGYH	0.22	306.1	Pg	08:20:07.104	-0.2	T__	1813.4	---	MLv	15323700	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
EGYH	0.22	306.1	Lg	08:20:12.084	0.8	T__		---		15323701	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 2.2 1																		
HU08A	0.27	56.4	Lg	08:20:13.618	0.6	T__		---		15323702	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
TIH	0.43	152.6	Lg	08:20:18.271	0.2	T__		---		15323703	FDSN	HU	--	BUD	iLoc	HHZ	???	_
SR0	0.72	42.2	Lg	08:20:28.151	-0.6	T__		---		15323704	FDSN	SK	--	BUD	iLoc	EHN	???	_
SOP	0.81	299.9	Pn	08:20:19.305	-0.7	T__	101.8	---	MLv	15323705	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
SOP	0.81	299.9	Sn	08:20:31.132	-2.0	T__		---		15323706	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 2.0 1																		
KOVH	1.25	163.7	Lg	08:20:44.701	0.0	T__		---		15323707	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORH	1.29	145.7	Sn	08:20:45.192	0.4	T__		---		15323708	FDSN	HU	--	BUD	iLoc	BHE	???	_
PSZ	1.68	67.0	Sn	08:20:56.917	1.5	T__		---		15323709	FDSN	GE	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/12/11	10:08:37.77	1.11	0.46	47.8590	19.1278	9.5	4.2	176	0.0S		4	3	176	0.07	0.52	m	kx	BUD	15323723	iLoc		272
2019/12/11	10:08:37.59f		0.44	47.8355	19.1270f				0.0S		4		197	0.07	0.52	a	kx	BUD_GT	15328891	BUD		289
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Sejce-Vác Hungary)																						

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	0.07	277.6	Pg	10:08:39.860	0.3					T__		2384.1		---	MLv	15330832	FDSN	ZJ	00	BUD	BUD	HHZ	HHZ	_
A336A	0.41	347.9	Lg	10:08:51.954	-0.7					T__				---		15330833	FDSN	Z3	00	BUD	BUD	HH3	???	_
PSZ	0.52	80.6	Pg	10:08:49.297	0.3					T__		101.3		---	MLv	15330834	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.52	80.6	Lg	10:08:57.033	-0.4					T__				---		15330835	FDSN	GE	--	BUD	BUD	BHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/12/11	11:00:36.96	0.69	0.34	48.1099	16.9893	5.1	2.0	106	0.0F	0.0	11		4	0.62	1.31	a	sx	VIE	15281608	ISC		360
2019/12/11	11:00:36.49	0.81	0.79	48.1622	16.9559	5.4	3.3	138	0.0S		31	18	87	0.10	1.88	m	sx	BUD	15323737	iLoc		112

Magnitude	Err	Nsta	Author	OrigID
mb	1.8		VIE	15281608
ml	1.8		VIE	15281608
ML	2.2	0.0	5 ILOC	15323737

Sta	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	70.9	Pg	11:00:39.469	0.3					T__				---		15323739	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.30	45.4	Pg	11:00:42.982	-0.1					T__				---		15323740	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.30	45.4	Lg	11:00:48.260	-0.1					T__				---		15323741	FDSN	SK	--	BUD	iLoc	HHN	???	_
A003A	0.41	170.8	Lg	11:00:51.215	-0.3					T__				---		15323742	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A001A	0.62	336.9	Pn	11:00:51.053	-1.4					T__		111.7		---	MLv	15323743	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.9 0																								
RONA	0.64	224.0	Pg	11:00:48.900	-0.4					T__		0.8	0.12	---		15323744	FDSN	IR	--	ISC	iLoc	???	???	_

RONA	0.64	224.0	Lg	11:00:57.443	-0.5	T__	7.4	0.38	---	15323745	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.77	252.7	Pg	11:00:51.642	-0.1	T__	110.7		---	15323746	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
CONA	0.77	252.7	Lg	11:01:02.751	0.9	T__			---	15323747	FDSN	OE	--	BUD	iLoc	BHN	???	_
CONA	0.77	252.7	Lg	11:01:02.855	1.0	T__	4.1	0.26	---	15323748	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.0 1																		
EGYH	0.79	161.1	Sn	11:01:05.704	-1.5	T__			---	15323749	FDSN	HU	--	BUD	iLoc	HHE	???	_
JAVC	0.84	34.0	Pn	11:00:56.746	1.5	T__			---	15323750	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.84	34.0	Pn	11:00:55.800	0.5	T__			---	15323751	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.97	337.8	Pn	11:00:56.200	-0.6	T__			---	15323752	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.97	337.8	Lg	11:01:08.832	-0.8	T__			---	15323753	FDSN	CZ	--	BUD	iLoc	BHE	???	_
AO11B	1.01	222.1	Sn	11:01:11.246	-1.2	T__			---	15323754	FDSN	Z3	00	BUD	iLoc	HH3	???	_
AO13A	1.04	265.1	Lg	11:01:10.702	0.6	T__			---	15323755	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MPLH	1.07	158.1	Pn	11:00:59.198	1.4	T__	120.3		---	15323756	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	1.07	158.1	Sn	11:01:14.014	0.1	T__			---	15323757	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 2.2 1																		
AO07A	1.10	300.8	Lg	11:01:12.230	-1.1	T__			---	15323758	FDSN	Z3	00	BUD	iLoc	HHE	???	_
VRAC	1.17	348.3	Pn	11:00:59.200	-0.4	T__			---	15323759	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.17	348.3	Pn	11:00:59.683	0.1	T__			---	15323760	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.17	348.3	Lg	11:01:15.831	-0.1	T__			---	15323761	FDSN	CZ	--	BUD	iLoc	BHE	???	_
ARSA	1.33	227.2	Pg	11:01:02.340	-0.4	T__	2.4	0.50	---	15323762	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.33	227.2	Sn	11:01:19.631	-0.6	T__	2.0	0.52	---	15323763	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.33	227.2	Pn	11:01:01.838	-0.1	T__	89.8		---	15323764	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
ARSA	1.33	227.2	Sn	11:01:20.044	-0.2	T__			---	15323765	FDSN	OE	--	BUD	iLoc	BHN	???	_
(Station ML : 2.2 1																		
AO18A	1.33	252.3	Pg	11:01:02.870	0.6	T__	147.8		---	15323766	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
AO18A	1.33	252.3	Sn	11:01:20.844	0.3	T__			---	15323767	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 2.4 0																		
TREC	1.49	319.9	Sn	11:01:24.295	-0.2	T__			---	15323768	FDSN	CZ	--	BUD	iLoc	HHZ	???	_
CKRC	1.88	291.5	Sn	11:01:35.096	1.1	T__			---	15323769	FDSN	CZ	--	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
2019/12/11	11:38:17.48	1.37	0.95	48.1494	19.8418	4.0	1.4	169	0.0A		10	201		0.23	1.31	a	kx KRSZO	15281633	ISC			360
2019/12/11	11:38:17.75	1.05	0.43	48.1550	19.8862	7.9	3.3	121	0.0S		15	8	154	0.24	3.71	m	sx BUD	15323796	iLoc			193
(description : suspected quarry blast)																						
(locality : Siatorska-Bukovinka Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.9		KRSZO	15281633
ML	1.8	0.2	6 ILOC	15323796

Sta	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	0.24	178.7	Pg	11:38:23.496	0.2					T__		367.8		---	MLv	15323798	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.24	178.7	Lg	11:38:27.936	0.3					T__				---		15323799	FDSN	GE	--	BUD	iLoc	BHE	???	_
PSZ	0.24	178.7	Lg	11:38:26.854	-0.8					T__				---		15323800	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.5 0																								
HU03A	0.32	217.5	Lg	11:38:29.514	-0.2					T__				---		15323801	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
HU02A	0.43	94.1	Pg	11:38:27.069	0.1					T__		120.0		---	MLv	15323802	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.43	94.1	Lg	11:38:33.894	-0.2					T__				---		15323803	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 1.6 1																								
KECS	0.52	50.4	Pg	11:38:28.381	0.2					T__		90.6		---	MLv	15323804	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.52	50.4	Lg	11:38:36.524	0.3					T__				---		15323805	FDSN	SK	--	BUD	iLoc	EHE	???	_

(Station ML : 1.7 1	JOS	0.55	51.7 Pg	11:38:28.604	-0.3	T__	117.6	---	MLv	15323806	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
	JOS	0.55	51.7 Lg	11:38:37.406	0.1	T__		---		15323807	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 1.9 1	ABAH	0.92	80.6 Pn	11:38:36.880	0.3	T__	109.8	---	MLv	15323808	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
	ABAH	0.92	80.6 Lg	11:38:49.603	-0.8	T__		---		15323809	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 2.1 1	NIE	1.30	12.4 Pn	11:38:42.834	0.5	T__	100.4	---	MLv	15323810	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
	NIE	1.30	12.4 Lg	11:39:00.697	-0.4	T__		---		15323811	FDSN	PL	--	BUD	iLoc	BHE	???	_
(Station ML : 2.2 0	HERR	3.71	151.0 Pn	11:39:16.152	0.3	T__		---		15323812	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/12/12	07:40:46.16	1.83	0.36	47.2587	17.7534	51.1	3.6	138	0.0S	5	3	190	0.17	0.57	m	sx	BUD	15323838	iLoc			345
(description : suspected quarry blast)																						
(locality : Ugod Hungary)																						

Magnitude Err Nsta Author OrigID

Sta	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	238.8	Pg	07:40:50.282	0.1					T__		229.0		---	MLv	15323840	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.17	238.8	Lg	07:40:53.208	-0.2					T__				---		15323841	FDSN	HU	--	BUD	iLoc	BHN	???	_
HU08A	0.21	33.8	Pg	07:40:51.110	0.2					T__	290.2			---	MLv	15323842	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU08A	0.21	33.8	Lg	07:40:54.728	-0.3					T__				---		15323843	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
HU09A	0.57	48.1	Lg	07:41:07.373	-0.3					T__				---		15323844	FDSN	ZJ	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
2019/12/12	09:44:56.79	2.13	0.53	47.9604	20.4035	19.7	4.4	141	0.0S	8	4	236	0.18	0.54	m	sx	BUD	15323853	iLoc			339
(description : suspected quarry blast)																						
(locality : Egerbakta Hungary)																						

Magnitude Err Nsta Author OrigID
ML 1.4 0.4 4 ILOC 15323853

Sta	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	26.7	Pg	09:45:01.191	0.1					T__	231.1			---	MLv	15323855	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.18	26.7	Lg	09:45:04.271	-0.4					T__				---		15323856	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 1.2 1	PSZ	0.34	263.2 Pg	09:45:04.801	0.2					T__	86.9			---	MLv	15323857	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
	PSZ	0.34	263.2 Lg	09:45:09.890	-0.6					T__				---		15323858	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.2 1	KECS	0.53	6.0 Pg	09:45:08.134	0.7					T__	80.5			---	MLv	15323859	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
	KECS	0.53	6.0 Lg	09:45:15.437	-0.1					T__				---		15323860	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.7 1	JOS	0.54	9.4 Pg	09:45:07.960	0.2					T__	74.5			---	MLv	15323861	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
	JOS	0.54	9.4 Lg	09:45:15.540	-0.6					T__				---		15323862	FDSN	ZJ	--	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
2019/12/12	10:21:25.26	1.06	0.96	48.5798	20.7619	6.6	4.0	174	0.0S	14	7	111	0.17	0.90	m	sx	BUD	15323880	iLoc			178
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.1	7 ILOC	15323880

Sta	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	240.6	Pg	10:21:28.979	0.1					T__		422.1		---	MLv	15323882	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.17	240.6	Lg	10:21:32.631	0.9					T__				---		15323883	FDSN	ZJ	--	BUD	iLoc	HHN	???	_
(Station ML : 1.4 0)																								
KECS	0.21	242.3	Pg	10:21:29.526	-0.1					T__		841.7		---	MLv	15323884	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.21	242.3	Lg	10:21:33.431	0.4					T__				---		15323885	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 1.8 1)																								
ABAH	0.43	131.6	Pg	10:21:34.394	0.4					T__		124.1		---	MLv	15323886	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.43	131.6	Lg	10:21:41.039	-0.3					T__				---		15323887	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.6 1)																								
HU02A	0.48	199.1	Pg	10:21:35.089	-0.4					T__		90.7		---	MLv	15323888	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.48	199.1	Lg	10:21:43.166	-0.2					T__				---		15323889	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.6 1)																								
PSZ	0.88	221.5	Pg	10:21:43.611	-0.2					T__		100.2		---	MLv	15323890	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.88	221.5	Lg	10:21:56.455	-0.6					T__				---		15323891	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 2.0 0)																								
NIE	0.89	340.8	Pn	10:21:45.437	1.2					T__		47.8		---	MLv	15323892	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.89	340.8	Sn	10:21:57.214	-2.3					T__				---		15323893	FDSN	PL	--	BUD	iLoc	BHE	???	_
(Station ML : 1.7 1)																								
STHS	0.90	20.6	Pn	10:21:43.071	-1.2					T__		68.5		---	MLv	15323894	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
STHS	0.90	20.6	Lg	10:21:54.681	-0.5					T__				---		15323895	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
2019/12/12	10:25:00.81	0.95	0.89	47.7040	18.5283	5.3	3.9	141	0.0S	15	9	117	0.12	1.49	m	sx	BUD	15323925	iLoc			155
(description : suspected quarry blast)																						
(locality : Bersekbánya-I Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.3	5 ILOC	15323925

Sta	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	0.12	236.5	Pg	10:25:03.722	0.0					T__		2878.8		---	MLv	15323927	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU09A	0.12	236.5	Lg	10:25:06.139	-0.3					T__				---		15323928	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 2.1 1)																								
SRO	0.18	307.1	Pg	10:25:05.156	0.2					T__		5895.3		---	MLv	15323929	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
SRO	0.18	307.1	Lg	10:25:08.817	0.3					T__				---		15323930	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 2.6 0)																								
HU10A	0.36	66.7	Lg	10:25:15.116	0.4					T__				---		15323931	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
HU08A	0.49	236.5	Lg	10:25:19.249	0.1					T__				---		15323932	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
MPLH	0.86	231.9	Pn	10:25:20.170	1.1					T__		87.3		---	MLv	15323933	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.86	231.9	Sn	10:25:32.994	-0.3					T__				---		15323934	FDSN	HU	--	BUD	iLoc	BHN	???	_

(Station ML : 1.9 1												
EGYH	0.86 250.9 Pn	10:25:20.242	1.1	T__	241.8	___ MLv	15323935	FDSN HU	-- BUD	iLoc	HHZ HHZ	_
EGYH	0.86 250.9 Sn	10:25:33.605	0.2	T__		___	15323936	FDSN HU	-- BUD	iLoc	HHN ???	_
(Station ML : 2.4 1												
PSZ	0.95 76.4 Lg	10:25:33.958	-1.1	T__		___	15323937	FDSN GE	-- BUD	iLoc	BHZ ???	_
MODS	1.07 309.0 Pn	10:25:22.613	0.2	T__		___	15323938	FDSN SK	-- BUD	iLoc	HHZ ???	_
MODS	1.07 309.0 Lg	10:25:37.371	-1.6	T__		___	15323939	FDSN SK	-- BUD	iLoc	HHN ???	_
MORH	1.49 176.9 Pn	10:25:28.334	0.8	T__	28.0	___ MLv	15323940	FDSN HU	-- BUD	iLoc	BHZ BHZ	_
MORH	1.49 176.9 Sn	10:25:47.345	-1.4	T__		___	15323941	FDSN HU	-- 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
2019/12/12	10:34:37.01	0.91	0.53	48.3297	19.8641	5.2	3.5	159	0.0S	13	7	114	0.41	1.13	m	sx	BUD	15323963	iLoc			197
(description : suspected quarry blast)																						
(locality : Husina Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.0	6 ILOC	15323963

Sta	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	177.2	Pg	10:34:46.140	0.0					T__		251.8		___	MLv	15323965	FDSN GE	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.41	177.2	Lg	10:34:52.554	-0.3					T__				___		15323966	FDSN GE	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.8 1																								
KECS	0.44	69.4	Pg	10:34:46.040	0.1					T__		232.3		___	MLv	15323967	FDSN SK	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.44	69.4	Lg	10:34:53.413	0.6					T__				___		15323968	FDSN SK	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 1.9 1																								
JOS	0.48	69.4	Pg	10:34:46.703	0.0					T__		170.9		___	MLv	15323969	FDSN ZJ	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.48	69.4	Lg	10:34:54.118	0.1					T__				___		15323970	FDSN ZJ	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 1.9 1																								
HU02A	0.49	114.9	Pg	10:34:47.528	0.2					T__		98.9		___	MLv	15323971	FDSN ZJ	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.49	114.9	Lg	10:34:54.691	-0.6					T__				___		15323972	FDSN ZJ	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.7 0																								
A336A	0.59	260.8	Pg	10:34:49.188	0.2					T__		149.0		___	MLv	15323973	FDSN Z3	Z3	00	BUD	iLoc	HHZ	HHZ	_
A336A	0.59	260.8	Lg	10:34:58.184	0.1					T__				___		15323974	FDSN Z3	Z3	00	BUD	iLoc	HH2	???	_
(Station ML : 2.0 0																								
ABAH	0.92	91.6	Lg	10:35:10.145	0.6					T__				___		15323975	FDSN HU	HU	--	BUD	iLoc	HHE	???	_
NIE	1.13	15.0	Pn	10:34:58.508	-0.8					T__		58.6		___	MLv	15323976	FDSN PL	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	1.13	15.0	Lg	10:35:13.928	-1.0					T__				___		15323977	FDSN PL	PL	--	BUD	iLoc	BHE	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2019/12/12	12:02:31.60	1.38	0.33	46.1094	18.1075	13.5	3.5	129	0.0S	7	4	120	0.02	1.13	m	sx	BUD	15324003	iLoc				213
(description : suspected quarry blast)																							
(locality : Bükkösd-II Hungary)																							

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.9	3 ILOC	15324003

Sta	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	194.0	Pg	12:02:32.661	0.1					T__		1027.5		_c_	MLv	15324005	FDSN HU	HU	--	BUD	iLoc	BHZ	BHZ	_

KOVH	0.02	194.0	Lg	12:02:33.679	-0.2	T__								15324006	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.4 1																						
A273A	0.28	226.5	Lg	12:02:41.871	-0.1	T__								15324007	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MORH	0.39	73.9	Pg	12:02:39.887	0.1	T__			22.9	_c_	MLv			15324008	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	0.39	73.9	Lg	12:02:46.096	-0.1	T__								15324009	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 0.7 1																						
MPLH	1.13	340.0	Pn	12:02:53.679	0.2	T__			107.8	---	MLv			15324010	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	1.13	340.0	Sn	12:03:09.608	-0.6	T__								15324011	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/12/12 12:14:58.30 1.05 0.25 46.1111 18.1026 8.0 3.2 104 0.0S 8 4 155 0.02 1.13 m sx BUD 15324025 iLoc 265
 (description : suspected quarry blast)
 (locality : Bükkösd-II Hungary)

Magnitude Err Nsta Author OrigID
 ML 1.4 0.6 4 ILOC 15324025

Sta	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	184.7	Pg	12:14:59.358	0.0					T__		513.8			MLv	15324027	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.02	184.7	Lg	12:15:00.580	-0.1					T__						15324028	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.1 1																								
MORH	0.39	74.3	Pg	12:15:06.432	-0.2					T__		23.8			MLv	15324029	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	0.39	74.3	Lg	12:15:13.302	0.3					T__						15324030	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 0.8 1																								
A266A	0.43	15.1	Pg	12:15:07.397	-0.0					T__		168.2			MLv	15324031	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A266A	0.43	15.1	Lg	12:15:14.642	0.3					T__						15324032	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 1.7 1																								
MPLH	1.13	340.1	Pg	12:15:20.783	-0.1					T__		63.0			MLv	15324033	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	1.13	340.1	Sn	12:15:36.508	-0.3					T__						15324034	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/12/12 13:14:54.90 0.98 0.95 47.6666 20.2744 8.1 4.5 74 9.3F 6.9 11 7 135 0.03 0.90 m ke BUD 15324052 iLoc 165

Magnitude Err Nsta Author OrigID
 ML 1.6 0.3 5 ILOC 15324052

Sta	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	0.03	211.3	Pg	13:14:56.788	-0.2					T__		2885.2			MLv	15324054	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.03	211.3	Lg	13:14:59.022	0.4					T__						15324055	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 1.9 0																								
PSZ	0.36	314.7	Pg	13:15:02.633	-0.3					T__		68.6			MLv	15324056	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.36	314.7	Lg	13:15:08.537	-0.3					T__						15324057	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.1 0																								
BSZH	0.37	180.8	Pg	13:15:02.659	-0.4					T__		102.3			MLv	15324058	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.3 1																								
HU02A	0.49	20.2	Pg	13:15:04.624	-0.5					T__		79.5			MLv	15324059	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.49	20.2	Lg	13:15:12.187	-0.6					T__						15324060	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.6 1																								

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KECS 0.83 9.8 Lg 13:15:24.429 1.2 T__
JOS 0.85 11.9 Pn 13:15:12.905 1.5 T__ 67.8 --- MLv 15324062 FDSN ZJ -- BUD iLoc HHZ HHZ _
JOS 0.85 11.9 Lg 13:15:24.928 1.2 T__ --- 15324063 FDSN ZJ -- BUD iLoc HHE ??? _
(Station ML : 1.8 1
ABAH 0.90 45.5 Lg 13:15:26.221 0.3 T__ --- 15324064 FDSN HU -- BUD iLoc HHN ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2019/12/13 11:33:54.37 1.03 1.52 47.5923 18.4634 5.5 4.2 176 0.0S 11 9 95 0.07 1.53 m kx BUD 15324086 iLoc 130
2019/12/13 11:33:52.50f 1.57 47.5600 18.4573f 0.0S 11 90 0.09 1.49 a kx BUD_GT 15328911 BUD 137

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

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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 11:33:55.029 0.1 T__ 3436.8 --- MLv 15330836 FDSN ZJ 00 BUD BUD HHZ HHZ _
HU09A 0.09 327.2 Lg 11:33:57.024 -0.3 T__ --- 15330837 FDSN ZJ 00 BUD BUD HHN ??? _
SR0 0.27 339.1 Pn 11:34:01.376 -2.4 T__ 1125.5 --- MLv 15330838 FDSN SK -- BUD BUD EHZ EHZ _
SR0 0.27 339.1 Lg 11:34:04.007 0.6 T__ --- 15330839 FDSN SK -- BUD BUD EHE ??? _
HU08A 0.38 250.6 Lg 11:34:10.732 3.5 T__ --- 15330841 FDSN ZJ 00 BUD BUD HHE ??? _
BUD 0.39 101.0 Lg 11:34:09.198 1.4 T__ --- 15330840 FDSN HU -- BUD BUD BHE ??? _
MPLH 0.74 238.3 Sn 11:34:20.598 -1.4 T__ --- 15330842 FDSN HU -- BUD BUD BHE ??? _
EGYH 0.78 259.7 Sn 11:34:23.641 0.6 T__ --- 15330843 FDSN HU -- BUD BUD HHN ??? _
PSZ 1.03 69.2 Sn 11:34:30.623 0.5 T__ --- 15330844 FDSN GE -- BUD BUD BHE ??? _
MODS 1.14 316.2 Lg 11:34:32.750 -0.1 T__ --- 15330845 FDSN SK -- BUD BUD HHE ??? _
KOVH 1.49 189.6 Lg 11:34:45.575 2.0 T__ --- 15330846 FDSN HU -- BUD BUD BHE ??? _

```

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2019/12/13 16:57:42.30 0.50 47.5820 18.9110 0.1 0.1 0.0F 0.0 22 2.30 5.04 a ke BEO 15281640 ISC 360
2019/12/13 16:57:44.70 3.17 47.4200 18.8700 2.0A 4 1.76 3.09 a ke CSEM 15281643 ISC 360
2019/12/13 16:57:45.20 47.5100 18.7900 1.0A 13 a ke PRU 15281646 ISC 360
2019/12/13 16:57:44.10 0.64 1.29 47.4527 18.8927 2.9 2.2 161 5.5F 5.3 157 81 20 0.09 4.94 m ke BUD 15324153 iLoc 33

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Magnitude Err Nsta Author OrigID

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ML 2.9 BEO 15281640
mb 2.8 CSEM 15281643
ML 3.0 0.2 51 ILOC 15324153

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Sta 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 0.09 70.8 Pg 16:57:46.100 -0.4 T__ 5.0 --- 15324155 FDSN IR -- ISC iLoc ??? ??? _
BUD 0.09 70.8 Pg 16:57:46.578 0.0 T__ 5006.5 --- MLv 15324156 FDSN HU -- BUD iLoc BHZ BHZ _
BUD 0.09 70.8 Lg 16:57:48.527 -0.1 T__ --- 15324157 FDSN HU -- BUD iLoc BHN ??? _
(Station ML : 2.3 0
HU09A 0.39 298.5 Pg 16:57:52.072 -0.0 T__ 2560.4 --- MLv 15324158 FDSN ZJ 00 BUD iLoc HHZ HHZ _
HU09A 0.39 298.5 Lg 16:57:57.898 -0.8 T__ --- 15324159 FDSN ZJ 00 BUD iLoc HHN ??? _
(Station ML : 2.8 1
HU10A 0.40 12.2 Pg 16:57:53.047 0.6 T__ 2277.1 --- MLv 15324160 FDSN ZJ 00 BUD iLoc HHZ HHZ _

```

HU10A	0.40	12.2	Lg	16:57:59.244	0.3	T__	---	15324161	FDSN	ZJ	00	BUD	iLoc	HHN	???	_		
(Station ML : 2.8 1																		
SR0	0.53	312.9	Pg	16:57:55.251	0.4	T__	4909.7	---	MLv	15324162	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
SR0	0.53	312.9	Lg	16:58:03.375	-0.1	T__	---	---	---	15324163	FDSN	SK	--	BUD	iLoc	EHN	???	_
SR0	0.53	312.9	Pg	16:57:56.400	1.6	T__	4.9	---	---	15324164	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 3.5 0																		
A267A	0.58	209.1	Pg	16:57:55.440	-0.2	T__	1687.0	---	MLv	15324165	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A267A	0.58	209.1	Lg	16:58:03.843	-1.0	T__	---	---	---	15324166	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 3.0 1																		
HU03A	0.66	46.4	Pg	16:57:57.895	0.2	T__	2938.3	---	MLv	15324167	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU03A	0.66	46.4	Sn	16:58:09.269	-0.9	T__	---	---	---	15324168	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 3.3 0																		
HU08A	0.66	268.5	Pg	16:57:56.692	-0.5	T__	945.0	---	MLv	15324169	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU08A	0.66	268.5	Lg	16:58:06.130	-1.3	T__	---	---	---	15324170	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 2.8 1																		
A338A	0.67	327.3	Pg	16:57:58.470	0.9	T__	3049.1	---	MLv	15324171	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A338A	0.67	327.3	Lg	16:58:08.050	-0.3	T__	---	---	---	15324172	FDSN	Z3	00	BUD	iLoc	HH2	???	_
(Station ML : 3.4 0																		
A336A	0.78	5.2	Pg	16:58:00.017	0.1	T__	1967.5	---	MLv	15324173	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A336A	0.78	5.2	Lg	16:58:11.223	-0.6	T__	---	---	---	15324174	FDSN	Z3	00	BUD	iLoc	HH3	???	_
(Station ML : 3.2 1																		
PSZ	0.82	55.1	Pg	16:58:00.866	-0.5	T__	558.0	---	MLv	15324175	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.82	55.1	Lg	16:58:12.897	-0.7	T__	---	---	---	15324176	FDSN	GE	--	BUD	iLoc	BHN	???	_
PSZ	0.82	55.1	Pg	16:58:00.600	-0.8	T__	0.6	---	---	15324177	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.82	55.1	Pb	16:58:01.256	-0.1	T__	---	---	---	15324178	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.82	55.1	Lg	16:58:14.564	1.0	T__	---	---	---	15324179	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.7 1																		
TIH	0.88	231.3	Pg	16:58:02.200	0.8	T__	5.1	---	---	15324180	FDSN	IR	--	ISC	iLoc	???	???	_
TIH	0.88	231.5	Pg	16:58:00.624	-0.9	T__	5081.9	---	MLv	15324181	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Station ML : 3.7 0																		
A339A	0.92	294.7	Pn	16:58:03.406	1.1	T__	946.9	---	MLv	15324182	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A339A	0.92	294.7	Sn	16:58:16.978	0.4	T__	---	---	---	15324183	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 3.0 1																		
HU23A	0.94	78.0	Pn	16:58:03.356	1.0	T__	962.8	---	MLv	15324184	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.94	78.0	Sn	16:58:17.542	0.8	T__	---	---	---	15324185	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 3.0 1																		
BSZH	0.95	98.8	Pg	16:58:04.710	0.6	T__	300.4	---	MLv	15324186	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BSZH	0.95	98.8	Sn	16:58:18.450	1.5	T__	---	---	---	15324187	FDSN	HU	--	BUD	iLoc	HHN	???	_
BSZH	0.95	98.8	Pg	16:58:19.800	15.7	---	---	---	---	15324188	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.5 0																		
MPLH	0.96	253.4	Pg	16:58:02.900	-0.2	T__	488.9	---	MLv	15324189	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.96	253.4	Pg	16:58:03.600	0.5	T__	0.5	---	---	15324190	FDSN	IR	--	ISC	iLoc	???	???	_
MPLH	0.96	253.4	Lg	16:58:16.185	-0.5	T__	---	---	---	15324191	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 2.7 1																		
A266A	1.02	205.1	Pn	16:58:03.438	-0.1	T__	1746.8	---	MLv	15324192	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 3.3 0																		
EGYH	1.06	268.7	Pg	16:58:06.000	1.0	T__	1.4	---	---	15324193	FDSN	IR	--	ISC	iLoc	???	???	_
EGYH	1.06	268.6	Pg	16:58:05.399	0.4	T__	1394.0	---	MLv	15324194	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
EGYH	1.06	268.6	Lg	16:58:19.745	-0.2	T__	---	---	---	15324195	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 3.2 0																		
A335A	1.06	339.6	Pg	16:58:05.129	-0.2	T__	1122.7	---	MLv	15324196	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A335A	1.06	339.6	Lg	16:58:18.818	-2.5	T__	---	---	---	15324197	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 3.1 1																		

A337A	1.09	317.2	Pg	16:58:06.027	0.3	T__	803.2	___	MLv	15324198	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A337A	1.09	317.2	Sn	16:58:21.274	0.4	T__		___		15324199	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 3.0 1																		
HU22A	1.14	171.6	Pn	16:58:05.713	0.7	T__	1084.1	___	MLv	15324200	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU22A	1.14	171.6	Sn	16:58:21.878	0.3	T__		___		15324201	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 3.2 1																		
MORH	1.25	187.9	Pn	16:58:06.202	-0.4	T__	596.6	___	MLv	15324202	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	1.25	187.9	Sn	16:58:24.067	-0.2	T__		___		15324203	FDSN	HU	--	BUD	iLoc	HHN	???	_
MORH	1.25	188.0	Pn	16:58:08.033	1.4	T__		___		15324204	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.25	188.0	Sn	16:58:23.850	-0.5	T__		___		15324205	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 3.0 1																		
HU21A	1.26	152.6	Pn	16:58:07.521	0.8	T__	628.4	___	MLv	15324206	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU21A	1.26	152.6	Sn	16:58:26.826	2.4	T__		___		15324207	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 3.0 1																		
A265A	1.27	216.6	Pn	16:58:07.146	0.1	T__	1762.4	___	MLv	15324208	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A265A	1.27	216.6	Sn	16:58:26.459	1.5	T__		___		15324209	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 3.5 0																		
A003A	1.28	284.5	Pn	16:58:08.081	0.6	T__	878.6	___	MLv	15324210	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A003A	1.28	284.5	Lg	16:58:27.377	0.1	T__		___		15324211	FDSN	Z3	00	BUD	iLoc	HH3	???	_
(Station ML : 3.2 1																		
HU02A	1.29	58.1	Pn	16:58:08.807	1.3	T__	176.0	___	MLv	15324212	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.29	58.1	Sn	16:58:26.327	0.6	T__		___		15324213	FDSN	ZJ	00	BUD	iLoc	HHZ	???	_
(Station ML : 2.5 0																		
A261A	1.29	247.8	Pn	16:58:08.871	1.5	T__	464.1	___	MLv	15324214	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.9 1																		
A263A	1.35	233.6	Pn	16:58:09.113	0.9	T__	1082.3	___	MLv	15324215	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A263A	1.35	233.6	Sn	16:58:26.267	-0.6	T__		___		15324216	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 3.3 0																		
A332A	1.38	348.2	Pg	16:58:10.991	-0.6	T__	295.7	___	MLv	15324217	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A332A	1.38	348.2	Sn	16:58:28.325	-0.2	T__		___		15324218	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 2.7 1																		
MODS	1.42	310.9	Pn	16:58:09.859	0.2	T__		___		15324219	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	1.42	310.9	Sn	16:58:28.802	-0.8	T__		___		15324220	FDSN	SK	--	BUD	iLoc	HHN	???	_
KOVH	1.47	202.1	Pn	16:58:09.000	-0.8	T__	150.8	___	MLv	15324221	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	1.47	202.1	Pg	16:58:12.023	-0.8	T__		___		15324222	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.47	202.1	Pg	16:58:13.600	0.8	T__		___		15324223	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.5 0																		
KECS	1.49	45.5	Pg	16:58:12.523	-1.1	T__	240.0	___	MLv	15324224	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	1.49	45.5	Lg	16:58:33.823	-1.0	T__		___		15324225	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 2.7 1																		
A260A	1.50	264.3	Lg	16:58:33.115	-0.8	T__		___		15324226	FDSN	Z3	00	BUD	iLoc	HHN	???	_
JOS	1.52	46.0	Pn	16:58:11.719	1.1	T__	143.1	___	MLv	15324227	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.5 0																		
HU05A	1.52	85.4	Pn	16:58:13.641	3.2	T__	309.3	___	MLv	15324228	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU05A	1.52	85.4	Lg	16:58:36.069	-0.5	T__		___		15324229	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 2.8 1																		
SOP	1.60	279.2	Pn	16:58:12.089	0.3	T__	190.6	___	MLv	15324230	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
SOP	1.60	279.2	Pn	16:58:12.400	0.6	T__	0.2	___		15324231	FDSN	IR	--	ISC	iLoc	???	???	_
SOP	1.60	279.2	Pg	16:58:14.700	-0.6	T__		___		15324232	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.7 0																		
JAVC	1.63	330.3	Pn	16:58:13.300	0.7	T__		___		15324233	FDSN	IR	--	ISC	iLoc	???	???	_
HU24A	1.64	108.5	Pg	16:58:17.438	0.1	T__	481.8	___	MLv	15324234	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 3.1 1																		

A264A	1.70	221.0	Pn	16:58:12.941	-0.1	T__	583.2	---	MLv	15324235	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A264A	1.70	221.0	Pg	16:58:16.645	-0.3	T__		---		15324236	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
(Station ML : 3.2 1)																		
BEHE	1.75	236.6	Pn	16:58:14.209	0.3	T__	539.2	---	MLv	15324237	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
BEHE	1.75	236.6	Pg	16:58:17.307	-0.5	T__		---		15324238	FDSN	HU	--	BUD	iLoc	HHZ	???	_
BEHE	1.75	236.6	Sn	16:58:37.673	0.9	T__		---		15324239	FDSN	HU	--	BUD	iLoc	HHN	???	_
BEHE	1.75	236.6	Lg	16:58:42.371	0.5	T__		---		15324240	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 3.2 1)																		
A004A	1.76	287.8	Pn	16:58:15.061	1.0	T__	415.2	---	MLv	15324241	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 3.1 1)																		
RONA	1.78	279.0	Pn	16:58:14.456	0.0	T__	7.5	0.12	---	15324242	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.78	279.0	Sn	16:58:35.743	-1.8	T__	0.6	0.14	---	15324243	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	1.79	61.0	Pn	16:58:15.557	1.3	T__	137.1		MLv	15324244	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	1.79	61.0	Pg	16:58:18.400	-1.3	T__	0.1		---	15324245	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	1.79	61.0	Pb	16:58:20.100	0.4	T__			---	15324246	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.6 0)																		
A011B	1.99	269.8	Pn	16:58:17.672	0.3	T__	96.4		MLv	15324247	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A011B	1.99	269.8	Sn	16:58:41.784	-0.7	T__			---	15324248	FDSN	Z3	00	BUD	iLoc	HH3	???	_
(Station ML : 2.6 0)																		
A001A	2.00	310.5	Pn	16:58:18.338	0.7	T__	263.0		MLv	15324249	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A001A	2.00	310.5	Pg	16:58:24.147	1.0	T__			---	15324250	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
(Station ML : 3.0 1)																		
A005B	2.03	298.0	Pn	16:58:18.859	1.0	T__	285.3		MLv	15324251	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 3.1 1)																		
LTVH	2.04	90.8	Lg	16:58:53.570	0.6	T__			---	15324252	FDSN	HU	--	BUD	iLoc	HHN	???	_
KOGS	2.07	241.9	Pg	16:58:23.682	0.3	T__			---	15324253	FDSN	SL	--	BUD	iLoc	BHZ	???	_
CONA	2.10	284.2	Pn	16:58:18.973	-0.1	T__	149.9		MLv	15324254	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
CONA	2.10	284.2	Pg	16:58:27.038	2.2	T__			---	15324255	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	2.10	284.2	Pn	16:58:18.762	-0.4	T__	1.2	0.14	---	15324256	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	2.10	284.2	Sn	16:58:44.114	-1.7	T__	1.5	0.20	---	15324257	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.8 1)																		
NIE	2.18	25.1	Pg	16:58:25.460	-1.1	T__	65.8		MLv	15324258	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 2.5 0)																		
SIRR	2.24	121.0	Pn	16:58:21.176	0.6	T__			---	15324259	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	2.24	121.0	Pg	16:58:23.300	-5.4	T__			---	15324260	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	2.24	121.0	Pn	16:58:21.007	0.4	T__	54.3		MLv	15324261	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	2.24	121.0	Lg	16:58:58.164	-0.5	T__			---	15324262	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 2.5 0)																		
ARSA	2.30	266.2	Pn	16:58:22.674	1.0	T__	168.3		MLv	15324263	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
ARSA	2.30	266.2	Pn	16:58:22.500	0.8	T__			---	15324264	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	2.30	266.2	Sn	16:58:48.989	-0.8	T__	3.9	0.58	---	15324265	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 3.0 1)																		
A006A	2.32	304.9	Pn	16:58:22.471	0.5	T__	297.6		MLv	15324266	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A006A	2.32	304.9	Pg	16:58:27.902	-0.9	T__			---	15324267	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
(Station ML : 3.3 0)																		
KRUC	2.32	314.9	Pn	16:58:21.900	-0.1	T__			---	15324268	FDSN	IR	--	ISC	iLoc	???	???	_
A008A	2.36	294.0	Pn	16:58:23.100	0.6	T__	211.9		MLv	15324269	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 3.1 1)																		
FRGS	2.38	164.2	Pn	16:58:22.900	0.4	T__			---	15324270	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	2.41	321.3	Pn	16:58:23.900	0.7	T__			---	15324271	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	2.41	321.3	Pg	16:58:24.346	-6.1	T__			---	15324272	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	2.41	321.3	Sn	16:58:52.800	-1.2	T__			---	15324273	FDSN	IR	--	ISC	iLoc	???	???	_
A013A	2.43	285.8	Pn	16:58:23.968	0.5	T__	255.5		MLv	15324274	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_

(Station ML : 3.3 0)																				
MORC	2.49	339.4	Pn	16:58:26.169	1.6	T__						15324275	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	2.49	339.4	Sn	16:58:55.497	-1.1	T__						15324276	FDSN	IR	--	ISC	iLoc	???	???	_
A007A	2.59	300.5	Pn	16:58:26.075	0.3	T__	180.3			MLv		15324277	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 3.2 1)																				
BZS	2.63	133.3	Pn	16:58:26.300	0.2	T__						15324278	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	2.63	133.3	Pg	16:58:26.600	-8.8	---	0.1					15324279	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	2.63	133.3	Pb	16:58:28.600	-6.8	---						15324280	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	2.64	133.0	Pn	16:58:26.422	0.2	T__	67.8			MLv		15324281	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 2.8 1)																				
DRGR	2.69	102.8	Pn	16:58:28.358	1.3	T__	122.9			MLv		15324282	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	2.69	102.8	Pn	16:58:28.545	1.5	T__						15324283	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	2.69	102.8	Pg	16:58:40.400	2.8	T__						15324284	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 3.1 1)																				
SOKA	2.75	255.0	Pn	16:58:28.073	-0.1	T__	0.2	0.14				15324285	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	2.75	255.0	Sn	16:58:58.825	-2.3	T__	0.5	0.22				15324286	FDSN	IR	--	ISC	iLoc	???	???	_
TEKS	2.94	171.1	Pn	16:58:32.000	1.7	T__						15324287	FDSN	IR	--	ISC	iLoc	???	???	_
KRLC	2.97	332.8	Pn	16:58:33.000	1.8	T__						15324288	FDSN	IR	--	ISC	iLoc	???	???	_
KRLC	2.97	332.8	Sn	16:59:07.700	-1.1	T__						15324289	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	2.99	103.5	Pn	16:58:32.637	1.2	T__						15324290	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	2.99	103.5	Sn	16:59:07.782	1.0	T__						15324291	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	3.12	254.0	Pn	16:58:33.609	0.2	T__	0.2	0.14				15324292	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	3.12	254.0	Sn	16:59:08.927	-1.6	T__	2.7	0.26				15324293	FDSN	IR	--	ISC	iLoc	???	???	_
DPC	3.36	330.6	Pn	16:58:37.800	1.1	T__						15324294	FDSN	IR	--	ISC	iLoc	???	???	_
CKRC	3.36	295.7	Pn	16:58:37.200	0.7	T__						15324295	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	3.38	126.1	Pn	16:58:36.957	-0.1	T__						15324296	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	3.38	126.1	Pg	16:58:38.200	-11.8	---						15324297	FDSN	IR	--	ISC	iLoc	???	???	_
TRUS	3.40	161.3	Pn	16:58:37.100	0.4	T__						15324298	FDSN	IR	--	ISC	iLoc	???	???	_
TRUS	3.40	161.3	Sn	16:59:20.100	3.1	T__						15324299	FDSN	IR	--	ISC	iLoc	???	???	_
DIVS	3.44	166.7	Pn	16:58:38.000	0.5	T__						15324300	FDSN	IR	--	ISC	iLoc	???	???	_
DIVS	3.44	166.7	Sn	16:59:22.100	3.5	T__						15324301	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	3.55	135.1	Pn	16:58:40.017	1.0	T__						15324302	FDSN	IR	--	ISC	iLoc	???	???	_
BBLs	3.61	174.1	Pn	16:58:40.300	0.4	T__						15324303	FDSN	IR	--	ISC	iLoc	???	???	_
BBLs	3.61	174.1	Sn	16:59:24.800	2.5	T__						15324304	FDSN	IR	--	ISC	iLoc	???	???	_
KUBS	3.61	146.4	Pn	16:58:40.900	1.2	T__						15324305	FDSN	IR	--	ISC	iLoc	???	???	_
GRUS	3.79	159.6	Pn	16:58:42.600	0.5	T__						15324306	FDSN	IR	--	ISC	iLoc	???	???	_
GRUS	3.79	159.6	Sn	16:59:29.700	3.5	T__						15324307	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	3.93	297.3	Pn	16:58:44.800	0.5	T__						15324308	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	3.93	297.3	Sn	16:59:29.200	-1.2	T__						15324309	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	3.93	297.3	Lg	16:59:47.700	-3.8	T__						15324310	FDSN	IR	--	ISC	iLoc	???	???	_
GOCS	4.13	159.6	Pn	16:58:47.300	0.1	T__						15324311	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	4.29	85.5	Pn	16:58:49.638	-0.4	T__						15324312	FDSN	IR	--	ISC	iLoc	???	???	_
BOVS	4.30	151.6	Pn	16:58:49.439	0.3	T__						15324313	FDSN	IR	--	ISC	iLoc	???	???	_
BOVS	4.30	151.6	Pg	16:58:49.500	-14.3	---						15324314	FDSN	IR	--	ISC	iLoc	???	???	_
ZAGS	4.33	146.0	Pn	16:58:49.300	-0.3	T__						15324315	FDSN	IR	--	ISC	iLoc	???	???	_
ZAPS	4.94	146.4	Pn	16:58:59.100	0.9	T__						15324316	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/12/16	12:04:15.49	1.54	1.41	48.6002	20.9299	10.3	6.5	20	0.0S		15	9	79	0.28	1.34	m	sx	BUD	15324107	iLoc		140
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude Err Nsta Author OrigID
 ML 1.5 0.1 7 ILOC 15324107

Sta	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	0.28	248.2	Pg	12:04:21.724	0.5					T__		228.5		---	MLv	15324109	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.28	248.2	Lg	12:04:25.795	0.1					T__				---		15324110	FDSN	ZJ	--	BUD	iLoc	HHZ	???	_
(Station ML : 1.4 1																								
KECS	0.32	248.5	Pg	12:04:22.242	0.2					T__		309.0		---	MLv	15324111	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.32	248.5	Lg	12:04:26.562	-0.4					T__				---		15324112	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 1.7 1																								
ABAH	0.37	145.8	Pn	12:04:24.659	-3.4					T__		75.6		---	MLv	15324113	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.37	145.8	Lg	12:04:29.494	-0.1					T__				---		15324114	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.2 0																								
HU02A	0.55	209.6	Pg	12:04:27.108	0.1					T__		51.8		---	MLv	15324115	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.55	209.6	Lg	12:04:35.773	-0.0					T__				---		15324116	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.5 1																								
STHS	0.84	14.1	Pn	12:04:32.734	-1.0					T__		109.8		---	MLv	15324117	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 2.0 0																								
NIE	0.91	333.9	Pn	12:04:35.754	1.0					T__		33.0		---	MLv	15324118	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.91	333.9	Sn	12:04:47.840	-2.5					T__				---		15324119	FDSN	PL	--	BUD	iLoc	BHE	???	_
(Station ML : 1.5 1																								
PSZ	0.97	225.8	Pg	12:04:35.845	-0.1					T__		64.4		---	MLv	15324120	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.97	225.8	Lg	12:04:49.988	-0.4					T__				---		15324121	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.8 1																								
STZU	1.19	69.0	Pn	12:04:40.017	1.3					T__				---		15324122	FDSN	UA	--	BUD	iLoc	MHZ	???	_
A336A	1.34	254.8	Lg	12:05:01.306	-1.2					T__				---		15324123	FDSN	Z3	00	BUD	iLoc	HH2	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/12/17	00:28:08.60	0.20		45.8250	20.3600	0.0	0.0		19.0F	2.3	63			0.57	5.26	a	ke BEO	15281812	ISC			360
2019/12/17	00:28:07.60		1.01	45.8500	20.3200				12.0A			3	3.32	6.13	a	ke CSEM	15281804	ISC			360	
2019/12/17	00:28:14.10			46.0200	19.9700				10.0A		16					a	ke PRU	15281810	ISC			360
2019/12/17	00:28:08.40	0.88		45.6970	20.3170	0.1	0.0		9.0A		14		1.27	3.31	a	ke RHSSO	15281807	ISC			360	
2019/12/17	00:28:07.22	0.74	1.74	45.8357	20.3425	3.1	2.3	43	7.0F	6.9	277	145	31	0.56	37.88	m	ke BUD	15324766	iLoc			36

Magnitude Err Nsta Author OrigID
 ML 3.2 BEO 15281812
 ml 3.2 CSEM 15281804
 ML 3.3 RHSSO 15281807
 ML 3.5 0.1 55 ILOC 15324766

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
SUBS	0.56	300.0	Pg	00:28:19.200	0.9					T__				---		15324768	FDSN	IR	--	ISC	iLoc	???	???	_
TIM	0.62	98.8	Pg	00:28:20.581	1.1					T__				---		15324769	FDSN	IR	--	ISC	iLoc	???	???	_
TIM	0.62	98.8	Lg	00:28:30.616	2.1					T__				---		15324770	FDSN	IR	--	ISC	iLoc	???	???	_
HU21A	0.66	319.6	Pg	00:28:21.380	1.0					T__		18907.4		---	MLv	15324771	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU21A	0.66	319.6	Lg	00:28:30.861	0.0					T__				---		15324772	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 4.1 0																								
BANR	0.72	128.9	Pg	00:28:22.400	1.3					T__		77.2		---		15324773	FDSN	IR	--	ISC	iLoc	???	???	_
BANR	0.72	128.9	Pg	00:28:22.500	1.3					T__		77.2		---		15324774	FDSN	IR	--	ISC	iLoc	???	???	_
BANR	0.72	128.9	Pn	00:28:22.600	0.3					T__				---		15324775	FDSN	IR	--	ISC	iLoc	???	???	_

BANR	0.72	128.9	Lg	00:28:33.111	1.8	T__	---	15324776	FDSN	IR	--	ISC	iLoc	??? ???	_
BANR	0.72	128.9	Sg	00:28:33.300	1.9	T__	---	15324777	FDSN	IR	--	ISC	iLoc	??? ???	_
BANR	0.72	128.9	Sn	00:28:34.500	0.4	T__	77.2	15324778	FDSN	IR	--	ISC	iLoc	??? ???	_
BANR	0.72	128.8	Pg	00:28:22.175	1.0	T__	77160.5	15324779	FDSN	RO	--	BUD	iLoc	BHZ BHZ	_
(Station ML : 4.8 0)															
FRGS	0.77	209.1	Pg	00:28:23.100	1.0	T__	---	15324780	FDSN	IR	--	ISC	iLoc	??? ???	_
FRGS	0.77	209.1	Sn	00:28:34.100	-1.6	T__	---	15324781	FDSN	IR	--	ISC	iLoc	??? ???	_
FRGS	0.79	207.2	Pg	00:28:22.585	0.1	T__	11208.7	15324782	FDSN	SJ	--	BUD	iLoc	HHZ HHZ	_
FRGS	0.79	207.2	Sn	00:28:33.942	-2.4	T__	---	15324783	FDSN	SJ	--	BUD	iLoc	HHN ???	_
(Station ML : 4.0 0)															
BZS	0.92	103.3	Pn	00:28:25.000	-0.2	T__	2.8	15324784	FDSN	IR	--	ISC	iLoc	??? ???	_
BZS	0.92	103.3	Pg	00:28:25.600	0.6	T__	---	15324785	FDSN	IR	--	ISC	iLoc	??? ???	_
BZS	0.92	103.3	Pg	00:28:25.657	0.6	T__	---	15324786	FDSN	IR	--	ISC	iLoc	??? ???	_
BZS	0.92	103.3	Lg	00:28:38.100	0.2	T__	---	15324787	FDSN	IR	--	ISC	iLoc	??? ???	_
BZS	0.93	103.0	Pn	00:28:25.476	0.1	T__	2762.5	15324788	FDSN	RO	--	BUD	iLoc	BHZ BHZ	_
BZS	0.93	103.0	Lg	00:28:37.986	-0.4	T__	---	15324789	FDSN	RO	--	BUD	iLoc	BHE ???	_
(Station ML : 3.5 1)															
HU22A	0.98	300.7	Pg	00:28:26.733	0.5	T__	8806.0	15324790	FDSN	ZJ	00	BUD	iLoc	HHZ HHZ	_
(Station ML : 4.0 0)															
VRSS	0.99	135.5	Pn	00:28:26.800	0.5	T__	---	15324791	FDSN	IR	--	ISC	iLoc	??? ???	_
VRSS	0.99	135.5	Sn	00:28:41.000	-0.0	T__	---	15324792	FDSN	IR	--	ISC	iLoc	??? ???	_
SIRR	1.01	64.3	Pn	00:28:26.100	-0.4	T__	1.8	15324793	FDSN	IR	--	ISC	iLoc	??? ???	_
SIRR	1.01	64.3	Sn	00:28:40.400	-1.1	T__	---	15324794	FDSN	IR	--	ISC	iLoc	??? ???	_
SIRR	1.02	64.5	Pn	00:28:26.506	-0.0	T__	1806.5	15324795	FDSN	RO	--	BUD	iLoc	BHZ BHZ	_
SIRR	1.02	64.5	Sn	00:28:40.018	-1.6	T__	---	15324796	FDSN	RO	--	BUD	iLoc	BHE ???	_
(Station ML : 3.3 0)															
BEO	1.02	175.5	Pn	00:28:26.827	0.5	T__	13627.5	15324797	FDSN	SJ	--	BUD	iLoc	BHZ BHZ	_
BEO	1.02	175.5	Sn	00:28:40.548	-0.9	T__	---	15324798	FDSN	SJ	--	BUD	iLoc	BHN ???	_
BEO	1.03	174.9	Pn	00:28:26.700	0.2	T__	1.9	15324799	FDSN	IR	--	ISC	iLoc	??? ???	_
BEO	1.03	174.9	Pg	00:28:27.000	0.4	T__	---	15324800	FDSN	IR	--	ISC	iLoc	??? ???	_
BEO	1.03	174.9	Pg	00:28:27.100	0.4	T__	1.9	15324801	FDSN	IR	--	ISC	iLoc	??? ???	_
(Station ML : 4.2 0)															
HU04A	1.15	328.8	Pg	00:28:30.534	0.7	T__	2051.6	15324802	FDSN	ZJ	00	BUD	iLoc	HHZ HHZ	_
HU04A	1.15	328.8	Lg	00:28:46.649	-0.2	T__	---	15324803	FDSN	ZJ	00	BUD	iLoc	HHE ???	_
(Station ML : 3.4 1)															
AVAS	1.15	173.9	Pn	00:28:29.000	0.7	T__	---	15324804	FDSN	IR	--	ISC	iLoc	??? ???	_
AVAS	1.15	173.9	Sn	00:28:45.800	1.0	T__	---	15324805	FDSN	IR	--	ISC	iLoc	??? ???	_
HU24A	1.21	27.5	Pn	00:28:30.119	1.1	T__	4847.9	15324806	FDSN	ZJ	00	BUD	iLoc	HHZ HHZ	_
HU24A	1.21	27.5	Pg	00:28:32.449	0.9	T__	---	15324807	FDSN	ZJ	00	BUD	iLoc	HHZ ???	_
HU24A	1.21	27.5	Lg	00:28:49.885	1.9	T__	---	15324808	FDSN	ZJ	00	BUD	iLoc	HHE ???	_
(Station ML : 3.9 0)															
MORH	1.24	288.4	Pn	00:28:30.053	0.7	T__	419.4	15324809	FDSN	HU	--	BUD	iLoc	BHZ BHZ	_
MORH	1.24	288.4	Sn	00:28:48.111	1.5	T__	---	15324810	FDSN	HU	--	BUD	iLoc	BHE ???	_
MORH	1.24	288.4	Pg	00:28:31.100	0.1	T__	---	15324811	FDSN	IR	--	ISC	iLoc	??? ???	_
MORH	1.24	288.4	Pb	00:28:31.400	0.4	T__	---	15324812	FDSN	IR	--	ISC	iLoc	??? ???	_
MORH	1.24	288.4	Sn	00:28:48.300	1.6	T__	---	15324813	FDSN	IR	--	ISC	iLoc	??? ???	_
MORH	1.24	288.4	Lg	00:28:49.300	-0.2	T__	---	15324814	FDSN	IR	--	ISC	iLoc	??? ???	_
(Station ML : 2.8 0)															
TEKS	1.41	204.4	Pg	00:28:34.400	1.2	T__	---	15324815	FDSN	IR	--	ISC	iLoc	??? ???	_
TEKS	1.41	204.4	Sn	00:28:52.200	1.1	T__	---	15324816	FDSN	IR	--	ISC	iLoc	??? ???	_
MDVR	1.43	137.0	Pn	00:28:32.840	0.3	T__	---	15324817	FDSN	IR	--	ISC	iLoc	??? ???	_
MDVR	1.43	137.0	Pg	00:28:33.300	-1.1	T__	---	15324818	FDSN	IR	--	ISC	iLoc	??? ???	_
MDVR	1.43	137.0	Sn	00:28:53.700	1.7	T__	---	15324819	FDSN	IR	--	ISC	iLoc	??? ???	_

BSZH	1.47	358.0	Pn	00:28:35.400	2.8	T__	0.8	---	15324820	FDSN	IR	--	ISC	iLoc	???	???	_	
BSZH	1.47	358.0	Pg	00:28:36.234	-0.4	T__	2131.3	---	15324821	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
BSZH	1.47	358.0	Pg	00:28:36.900	0.2	T__	0.8	---	15324822	FDSN	IR	--	ISC	iLoc	???	???	_	
BSZH	1.47	358.0	Lg	00:28:55.425	-1.3	T__		---	15324823	FDSN	IR	--	ISC	iLoc	???	???	_	
BSZH	1.47	358.0	Lg	00:28:57.420	0.7	T__		---	15324824	FDSN	HU	--	BUD	iLoc	HHE	???	_	
(Station ML : 3.6 1																		
KOVH	1.58	280.0	Pn	00:28:34.473	0.2	T__	888.2	---	15324825	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
KOVH	1.58	280.0	Pg	00:28:38.556	1.3	T__		---	15324826	FDSN	HU	--	BUD	iLoc	BHZ	???	_	
KOVH	1.58	280.0	Lg	00:28:58.866	-1.1	T__		---	15324827	FDSN	HU	--	BUD	iLoc	BHE	???	_	
(Station ML : 3.3 0																		
A266A	1.60	296.3	Pn	00:28:35.381	0.9	T__	2287.6	---	15324828	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A266A	1.60	296.3	Pg	00:28:39.324	1.5	T__		---	15324829	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A266A	1.60	296.3	Lg	00:29:00.160	-0.9	T__		---	15324830	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
(Station ML : 3.7 1																		
TRUS	1.61	178.4	Pg	00:28:38.800	2.0	T__		---	15324831	FDSN	IR	--	ISC	iLoc	???	???	_	
TRUS	1.61	178.4	Sn	00:28:59.600	3.6	T__		---	15324832	FDSN	IR	--	ISC	iLoc	???	???	_	
SVIS	1.69	158.2	Pg	00:28:39.600	1.2	T__		---	15324833	FDSN	IR	--	ISC	iLoc	???	???	_	
SVIS	1.69	158.2	Lg	00:29:01.800	-1.2	T__		---	15324834	FDSN	IR	--	ISC	iLoc	???	???	_	
A267A	1.70	311.5	Pn	00:28:36.942	1.1	T__	741.2	---	15324835	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A267A	1.70	311.5	Pg	00:28:40.000	0.2	T__		---	15324836	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A267A	1.70	311.5	Lg	00:29:03.771	-1.5	T__		---	15324837	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
(Station ML : 3.3 0																		
KUBS	1.71	146.0	Pn	00:28:35.400	-0.8	T__		---	15324838	FDSN	IR	--	ISC	iLoc	???	???	_	
HERR	1.75	122.4	Pn	00:28:37.836	1.0	T__		---	15324839	FDSN	IR	--	ISC	iLoc	???	???	_	
HERR	1.75	122.4	Sn	00:29:01.442	2.2	T__		---	15324840	FDSN	IR	--	ISC	iLoc	???	???	_	
DIVS	1.76	188.3	Pn	00:28:37.800	0.8	T__		---	15324841	FDSN	IR	--	ISC	iLoc	???	???	_	
DIVS	1.76	188.3	Sn	00:29:03.400	3.4	T__		---	15324842	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	1.76	103.6	Pn	00:28:37.772	0.4	T__	1210.5	---	15324843	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
GZR	1.76	103.6	Pn	00:28:38.023	0.7	T__		---	15324844	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	1.76	103.6	Pg	00:28:38.300	-2.3	T__		---	15324845	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	1.76	103.6	Pb	00:28:38.900	-1.7	T__		---	15324846	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	1.76	103.6	Pg	00:28:40.234	-0.4	T__		---	15324847	FDSN	RO	--	BUD	iLoc	BHZ	???	_	
GZR	1.76	103.6	Sn	00:29:03.007	2.9	T__		---	15324848	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 3.6 1																		
DEV	1.79	87.4	Pn	00:28:38.383	1.0	T__	1281.6	---	15324849	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
DEV	1.79	87.4	Sn	00:29:00.307	0.3	T__		---	15324850	FDSN	RO	--	BUD	iLoc	BHE	???	_	
DEV	1.79	87.6	Pn	00:28:38.500	1.1	T__	1.3	---	15324851	FDSN	IR	--	ISC	iLoc	???	???	_	
DEV	1.79	87.6	Pn	00:28:38.600	1.1	T__		---	15324852	FDSN	IR	--	ISC	iLoc	???	???	_	
DEV	1.79	87.6	Pb	00:28:40.000	-1.2	T__		---	15324853	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 3.6 1																		
HU05A	1.80	17.4	Pg	00:28:43.490	0.5	T__	716.9	---	15324854	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
HU05A	1.80	17.4	Lg	00:29:08.022	1.1	T__		---	15324855	FDSN	ZJ	00	BUD	iLoc	HHN	???	_	
(Station ML : 3.4 1																		
HU23A	1.81	358.0	Pn	00:28:38.521	1.2	T__	1164.4	---	15324856	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_	
(Station ML : 3.6 1																		
A265A	1.87	289.3	Lg	00:29:09.714	0.9	T__		---	15324857	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
BUD	1.88	331.6	Pn	00:28:38.881	0.5	T__	621.7	---	15324858	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
BUD	1.88	331.6	Pn	00:28:41.600	3.2	T__		---	15324859	FDSN	IR	--	ISC	iLoc	???	???	_	
BUD	1.88	331.6	Pn	00:28:42.157	3.7	T__		---	15324860	FDSN	HU	--	BUD	iLoc	BHZ	???	_	
(Station ML : 3.3 1																		
LTVH	1.89	34.2	Pg	00:28:44.600	0.3	T__		---	15324861	FDSN	IR	--	ISC	iLoc	???	???	_	
LTVH	1.89	34.2	Pn	00:28:39.124	0.7	T__	835.5	---	15324862	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
(Station ML : 3.5 1																		

DRGR	1.90	58.9	Pn	00:28:42.000	3.0	T__	---	15324863	FDSN	IR	--	ISC	iLoc	???	???	_		
DRGR	1.90	58.9	Sn	00:29:06.729	3.4	T__	---	15324864	FDSN	IR	--	ISC	iLoc	???	???	_		
DRGR	1.90	58.9	Pn	00:28:39.125	0.1	T__	659.1	---	MLv	15324865	FDSN	RO	--	BUD	iLoc	BHZ BHZ _		
(Station ML : 3.4 1																		
DJES	1.93	126.5	Pn	00:28:39.914	0.4	T__	---	15324866	FDSN	IR	--	ISC	iLoc	???	???	_		
GRUS	1.96	172.1	Pn	00:28:40.800	1.2	T__	---	15324867	FDSN	IR	--	ISC	iLoc	???	???	_		
GRUS	1.96	172.1	Lg	00:29:12.000	-1.3	T__	---	15324868	FDSN	IR	--	ISC	iLoc	???	???	_		
TIH	2.00	303.0	Pg	00:28:56.200	10.9	---	---	15324869	FDSN	IR	--	ISC	iLoc	???	???	_		
TIH	2.01	302.9	Pn	00:28:40.980	0.9	T__	2157.4	---	MLv	15324870	FDSN	HU	--	BUD	iLoc	HHZ HHZ _		
(Station ML : 3.9 0																		
RMGR	2.03	124.4	Pn	00:28:42.693	1.9	T__	---	15324871	FDSN	IR	--	ISC	iLoc	???	???	_		
BBLs	2.08	199.0	Pn	00:28:42.264	1.0	T__	6453.3	---	MLv	15324872	FDSN	SJ	--	BUD	iLoc	BHZ BHZ _		
BBLs	2.08	199.0	Pn	00:28:42.400	0.8	T__	---	15324873	FDSN	IR	--	ISC	iLoc	???	???	_		
BBLs	2.08	199.0	Pg	00:28:47.100	2.2	T__	---	15324874	FDSN	IR	--	ISC	iLoc	???	???	_		
BBLs	2.08	199.0	Lg	00:29:13.500	-4.5	T__	---	15324875	FDSN	IR	--	ISC	iLoc	???	???	_		
(Station ML : 4.5 0																		
MARR	2.10	65.4	Sn	00:29:12.433	4.0	T__	---	15324876	FDSN	IR	--	ISC	iLoc	???	???	_		
PSZ	2.11	351.8	Pn	00:28:41.200	-0.5	T__	0.8	---	---	15324877	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	2.11	351.8	Pg	00:28:45.400	-4.2	T__	---	15324878	FDSN	IR	--	ISC	iLoc	???	???	_		
PSZ	2.11	351.8	Sn	00:29:12.201	4.1	T__	---	15324879	FDSN	IR	--	ISC	iLoc	???	???	_		
PSZ	2.11	351.8	Pn	00:28:42.020	0.3	T__	780.9	---	MLv	15324880	FDSN	GE	--	BUD	iLoc	BHZ BHZ _		
(Station ML : 3.6 1																		
BORS2	2.11	145.1	Pn	00:28:41.000	-0.8	T__	---	15324881	FDSN	IR	--	ISC	iLoc	???	???	_		
BORS2	2.11	145.1	Lg	00:29:12.700	-2.1	T__	---	15324882	FDSN	IR	--	ISC	iLoc	???	???	_		
HU03A	2.13	346.4	Pn	00:28:42.996	1.2	T__	1090.7	---	MLv	15324883	FDSN	ZJ	00	BUD	iLoc	HHZ HHZ _		
HU03A	2.13	346.4	Pg	00:28:47.727	-2.1	T__	---	15324884	FDSN	ZJ	00	BUD	iLoc	HHZ	???	_		
HU03A	2.13	346.4	Lg	00:29:17.553	-1.2	T__	---	15324885	FDSN	ZJ	00	BUD	iLoc	HHE	???	_		
(Station ML : 3.7 1																		
A264A	2.15	279.7	Pn	00:28:43.054	0.8	T__	460.6	---	MLv	15324886	FDSN	Z3	00	BUD	iLoc	HHZ HHZ _		
A264A	2.15	279.7	Lg	00:29:19.065	1.8	T__	---	15324887	FDSN	Z3	00	BUD	iLoc	HHN	???	_		
(Station ML : 3.4 1																		
HU10A	2.21	336.2	Pn	00:28:44.136	1.3	T__	710.9	---	MLv	15324888	FDSN	ZJ	00	BUD	iLoc	HHZ HHZ _		
HU10A	2.21	336.2	Lg	00:29:19.219	-2.8	T__	---	15324889	FDSN	ZJ	00	BUD	iLoc	HHE	???	_		
(Station ML : 3.6 1																		
A263A	2.25	292.1	Pn	00:28:44.403	0.8	T__	606.4	---	MLv	15324890	FDSN	Z3	00	BUD	iLoc	HHZ HHZ _		
(Station ML : 3.5 1																		
HU09A	2.25	323.9	Pn	00:28:45.163	1.6	T__	792.8	---	MLv	15324891	FDSN	ZJ	00	BUD	iLoc	HHZ HHZ _		
HU09A	2.25	323.9	Lg	00:29:22.121	-1.7	T__	---	15324892	FDSN	ZJ	00	BUD	iLoc	HHE	???	_		
(Station ML : 3.7 1																		
IVAS	2.26	183.5	Pn	00:28:44.300	0.3	T__	---	15324893	FDSN	IR	--	ISC	iLoc	???	???	_		
IVAS	2.26	183.5	Lg	00:29:20.200	-4.6	T__	---	15324894	FDSN	IR	--	ISC	iLoc	???	???	_		
HU02A	2.29	3.1	Pn	00:28:44.559	0.4	T__	367.7	---	MLv	15324895	FDSN	ZJ	00	BUD	iLoc	HHZ HHZ _		
HU02A	2.29	3.1	Lg	00:29:21.447	-1.9	T__	---	15324896	FDSN	ZJ	00	BUD	iLoc	HHE	???	_		
(Station ML : 3.3 1																		
GOCS	2.30	170.4	Pn	00:28:45.400	0.7	T__	---	15324897	FDSN	IR	--	ISC	iLoc	???	???	_		
GOCS	2.30	170.4	Lg	00:29:22.400	-2.0	T__	---	15324898	FDSN	IR	--	ISC	iLoc	???	???	_		
HU08A	2.31	314.6	Pn	00:28:45.667	1.3	T__	572.6	---	MLv	15324899	FDSN	ZJ	00	BUD	iLoc	HHZ HHZ _		
(Station ML : 3.5 1																		
RUDO	2.32	197.7	Pn	00:28:44.300	-0.6	T__	---	15324900	FDSN	IR	--	ISC	iLoc	???	???	_		
RUDO	2.32	197.7	Pg	00:28:44.900	-4.0	T__	---	15324901	FDSN	IR	--	ISC	iLoc	???	???	_		
RUDO	2.32	197.7	Sn	00:29:12.200	-1.2	T__	---	15324902	FDSN	IR	--	ISC	iLoc	???	???	_		
SRE	2.34	119.1	Sn	00:29:16.124	2.4	T__	---	15324903	FDSN	IR	--	ISC	iLoc	???	???	_		
MPLH	2.35	305.6	Pn	00:28:46.352	1.4	T__	269.7	---	MLv	15324904	FDSN	HU	--	BUD	iLoc	BHZ BHZ _		

MPLH	2.35	305.6	Pn	00:28:48.900	3.9	T__	---	15324905	FDSN	IR	--	ISC	iLoc	??? ???	_			
(Station ML	:	3.2	0															
HU07A	2.40	26.1	Pn	00:28:46.043	0.4	T__	455.8	---	MLv	15324906	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU07A	2.40	26.1	Pg	00:28:53.894	-0.1	T__	---	---	---	15324907	FDSN	ZJ	00	BUD	iLoc	HHZ	???	_
(Station ML	:	3.5	1															
BOVS	2.41	155.7	Pn	00:28:46.200	0.5	T__	---	---	---	15324908	FDSN	IR	--	ISC	iLoc	??? ???	_	
BOVS	2.41	155.7	Pn	00:28:46.234	0.5	T__	---	---	---	15324909	FDSN	IR	--	ISC	iLoc	??? ???	_	
SR0	2.42	325.6	Pn	00:28:47.747	1.9	T__	1747.5	---	MLv	15324910	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
SR0	2.42	325.6	Pn	00:28:47.600	1.7	T__	1.7	---	---	15324911	FDSN	IR	--	ISC	iLoc	??? ???	_	
SR0	2.42	325.6	Pg	00:28:50.800	-3.2	T__	---	---	---	15324912	FDSN	IR	--	ISC	iLoc	??? ???	_	
(Station ML	:	4.1	0															
CJR	2.42	67.6	Pn	00:28:46.913	0.4	T__	1263.5	---	MLv	15324913	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
CJR	2.42	67.6	Pg	00:28:51.900	-1.9	T__	---	---	---	15324914	FDSN	IR	--	ISC	iLoc	??? ???	_	
CJR	2.42	67.6	Pg	00:28:52.381	-1.4	T__	---	---	---	15324915	FDSN	RO	--	BUD	iLoc	BHZ	???	_
CJR	2.42	67.6	Lg	00:29:25.448	0.5	T__	---	---	---	15324916	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML	:	3.9	0															
ZAGS	2.43	145.7	Pn	00:28:47.000	0.9	T__	---	---	---	15324917	FDSN	IR	--	ISC	iLoc	??? ???	_	
LOT	2.43	97.9	Pn	00:28:47.400	0.3	T__	0.6	---	---	15324918	FDSN	IR	--	ISC	iLoc	??? ???	_	
LOT	2.43	97.9	Pg	00:28:47.886	-5.3	---	---	---	---	15324919	FDSN	IR	--	ISC	iLoc	??? ???	_	
LOT	2.43	97.9	Pb	00:28:49.800	-3.4	T__	---	---	---	15324920	FDSN	IR	--	ISC	iLoc	??? ???	_	
LOT	2.44	98.0	Pn	00:28:47.268	0.2	T__	594.9	---	MLv	15324921	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
(Station ML	:	3.6	1															
BLY	2.46	246.0	Pn	00:28:47.360	0.4	T__	386.1	---	MLv	15324922	FDSN	MN	--	BUD	iLoc	BHZ	BHZ	_
BLY	2.46	246.0	Lg	00:29:28.243	1.9	T__	---	---	---	15324923	FDSN	MN	--	BUD	iLoc	BHN	???	_
(Station ML	:	3.5	1															
A261A	2.48	297.9	Pn	00:28:47.977	1.3	T__	603.3	---	MLv	15324924	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML	:	3.7	1															
BLY	2.48	245.1	Pg	00:28:55.200	2.7	T__	---	---	---	15324925	FDSN	IR	--	ISC	iLoc	??? ???	_	
BLY	2.48	245.1	Sn	00:29:17.700	0.5	T__	---	---	---	15324926	FDSN	IR	--	ISC	iLoc	??? ???	_	
ABAH	2.54	13.7	Pn	00:28:48.057	0.6	T__	226.9	---	MLv	15324927	FDSN	HU	--	BUD	iLoc	HHN	HHZ	_
ABAH	2.54	13.7	Pg	00:28:54.900	-1.9	T__	---	---	---	15324928	FDSN	IR	--	ISC	iLoc	??? ???	_	
ABAH	2.54	13.7	Pg	00:28:55.794	-1.0	T__	---	---	---	15324929	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	2.54	13.7	Sn	00:29:19.635	1.8	T__	---	---	---	15324930	FDSN	HU	--	BUD	iLoc	HHN	???	_
ABAH	2.54	13.7	Lg	00:29:29.519	-0.8	T__	---	---	---	15324931	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML	:	3.3	0															
BEHE	2.56	285.6	Pn	00:28:51.000	3.0	T__	---	---	---	15324932	FDSN	IR	--	ISC	iLoc	??? ???	_	
BEHE	2.56	285.6	Sn	00:29:22.400	3.5	T__	---	---	---	15324933	FDSN	IR	--	ISC	iLoc	??? ???	_	
A336A	2.57	339.5	Pn	00:28:49.541	1.6	T__	840.0	---	MLv	15324934	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML	:	3.9	0															
SJES	2.59	186.0	Pn	00:28:49.600	0.8	T__	---	---	---	15324935	FDSN	IR	--	ISC	iLoc	??? ???	_	
EGYH	2.61	308.4	Pn	00:28:50.262	1.7	T__	345.2	---	MLv	15324936	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
EGYH	2.61	308.4	Pn	00:28:53.200	4.6	T__	---	---	---	15324937	FDSN	IR	--	ISC	iLoc	??? ???	_	
(Station ML	:	3.5	1															
JOS	2.66	2.8	Pn	00:28:50.379	1.1	T__	196.2	---	MLv	15324938	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
(Station ML	:	3.3	0															
SELS	2.67	167.7	Pn	00:28:50.600	0.9	T__	---	---	---	15324939	FDSN	IR	--	ISC	iLoc	??? ???	_	
TRPA	2.74	32.4	Pn	00:28:50.240	-0.3	T__	88.8	---	MLv	15324940	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
TRPA	2.74	32.4	Pg	00:28:59.274	-0.9	T__	---	---	---	15324941	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	2.74	32.4	Pn	00:28:50.500	-0.1	T__	---	---	---	15324942	FDSN	IR	--	ISC	iLoc	??? ???	_	
(Station ML	:	3.0	0															
BLKB	2.77	142.3	Pn	00:28:51.600	0.6	T__	---	---	---	15324943	FDSN	IR	--	ISC	iLoc	??? ???	_	
BAIL	2.80	129.3	Pn	00:28:52.508	1.1	T__	---	---	---	15324944	FDSN	IR	--	ISC	iLoc	??? ???	_	
A262A	2.84	292.6	Pn	00:28:53.044	1.3	T__	284.0	---	MLv	15324945	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_

A262A	2.84	292.6	Lg	00:29:41.392	2.7	T__	---	15324946	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 3.5 1																
BMR	2.84	48.6	Pn	00:28:53.054	0.8	T__	344.8	15324947	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BMR	2.84	48.6	Pn	00:28:53.330	1.1	T__	---	15324948	FDSN	IR	--	ISC	iLoc	???	???	_
BMR	2.84	48.6	Pg	00:29:04.800	3.0	T__	---	15324949	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 3.6 1																
TRSU	2.88	37.4	Pn	00:28:52.613	-0.1	T__	---	15324950	FDSN	UA	--	BUD	iLoc	MHZ	???	_
TRSU	2.88	37.4	Pg	00:29:02.462	-0.2	T__	---	15324951	FDSN	UA	--	BUD	iLoc	MHZ	???	_
KOGS	2.91	283.6	Pn	00:28:53.477	0.6	T__	---	15324952	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KLINJ	2.95	205.9	Pn	00:28:53.800	-0.4	T__	---	15324953	FDSN	IR	--	ISC	iLoc	???	???	_
KLINJ	2.95	205.9	Sn	00:29:27.900	-1.6	T__	---	15324954	FDSN	IR	--	ISC	iLoc	???	???	_
A335A	2.95	333.1	Pn	00:28:54.403	1.0	T__	363.6	15324955	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 3.7 1																
BEY	2.98	186.4	Pn	00:28:55.400	1.0	T__	---	15324956	FDSN	IR	--	ISC	iLoc	???	???	_
KNYS	2.99	253.0	Pn	00:28:54.500	0.0	T__	---	15324957	FDSN	IR	--	ISC	iLoc	???	???	_
KNYS	2.99	253.0	Sn	00:29:30.000	0.0	T__	---	15324958	FDSN	IR	--	ISC	iLoc	???	???	_
KORU	3.01	38.4	Pn	00:28:53.365	-1.1	T__	---	15324959	FDSN	UA	--	BUD	iLoc	MHZ	???	_
ZAPS	3.04	146.6	Pn	00:28:55.300	0.6	T__	---	15324960	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	3.04	64.3	Pn	00:28:55.344	0.2	T__	402.5	15324961	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
ARCR	3.04	64.3	Pg	00:29:03.900	-1.5	T__	---	15324962	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	3.04	64.3	Pg	00:29:06.051	0.7	T__	---	15324963	FDSN	RO	--	BUD	iLoc	BHZ	???	_
(Station ML : 3.8 1																
KOME	3.04	191.5	Pn	00:28:55.900	0.5	T__	---	15324964	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	3.05	97.3	Pn	00:28:55.822	0.1	T__	---	15324965	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	3.06	272.9	Pg	00:29:07.200	3.3	T__	---	15324966	FDSN	IR	--	ISC	iLoc	???	???	_
MUKU	3.07	30.6	Pn	00:28:54.883	-0.3	T__	---	15324967	FDSN	UA	--	BUD	iLoc	MHZ	???	_
BRIU	3.10	35.2	Pn	00:28:55.646	-0.2	T__	---	15324968	FDSN	UA	--	BUD	iLoc	MHZ	???	_
BRIU	3.10	35.2	Pg	00:29:07.948	1.3	T__	---	15324969	FDSN	UA	--	BUD	iLoc	MHZ	???	_
SOP	3.19	306.8	Pn	00:28:57.510	0.8	T__	125.3	15324970	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
SOP	3.19	306.8	Pn	00:29:00.300	3.6	T__	---	15324971	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 3.4 1																
BARS	3.20	160.2	Pn	00:28:57.600	0.7	T__	---	15324972	FDSN	IR	--	ISC	iLoc	???	???	_
A332A	3.23	337.4	Pn	00:28:58.369	1.0	T__	166.0	15324973	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 3.5 1																
MODS	3.29	321.6	Pn	00:28:59.163	0.9	T__	---	15324974	FDSN	SK	--	BUD	iLoc	HHZ	???	_
RONA	3.35	305.3	Pn	00:28:59.704	0.7	T__	3.6 0.10	15324975	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	3.35	305.3	Sn	00:29:37.457	-1.0	T__	4.8 0.22	15324976	FDSN	IR	--	ISC	iLoc	???	???	_
AO11B	3.41	299.1	Pn	00:29:00.602	0.9	T__	77.7	15324977	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 3.3 0																
RAKU	3.42	48.7	Pg	00:29:14.260	1.6	T__	---	15324978	FDSN	UA	--	BUD	iLoc	MHZ	???	_
CRES	3.42	271.6	Pn	00:29:00.030	-0.2	T__	---	15324979	FDSN	SL	--	BUD	iLoc	BHZ	???	_
VLAD	3.42	121.0	Pn	00:29:00.696	0.3	T__	---	15324980	FDSN	IR	--	ISC	iLoc	???	???	_
TREB	3.43	205.4	Pn	00:29:00.800	-0.1	T__	---	15324981	FDSN	IR	--	ISC	iLoc	???	???	_
TREB	3.43	205.4	Pg	00:29:02.800	-4.5	T__	---	15324982	FDSN	IR	--	ISC	iLoc	???	???	_
TREB	3.43	205.4	Sn	00:29:39.500	-2.4	T__	---	15324983	FDSN	IR	--	ISC	iLoc	???	???	_
PDG	3.49	193.3	Pn	00:29:02.600	1.0	T__	---	15324984	FDSN	IR	--	ISC	iLoc	???	???	_
STON	3.52	213.5	Pn	00:29:03.200	1.1	T__	---	15324985	FDSN	IR	--	ISC	iLoc	???	???	_
DOPR	3.53	86.1	Pn	00:29:03.987	1.7	T__	---	15324986	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	3.53	330.0	Pn	00:29:05.700	3.9	T__	---	15324987	FDSN	IR	--	ISC	iLoc	???	???	_
HUMR	3.53	110.1	Pn	00:29:03.062	0.8	T__	---	15324988	FDSN	IR	--	ISC	iLoc	???	???	_
STZU	3.54	25.1	Pg	00:29:15.415	0.7	T__	---	15324989	FDSN	UA	--	BUD	iLoc	MHZ	???	_
BOJS	3.58	266.5	Pn	00:29:04.900	2.3	T__	---	15324990	FDSN	IR	--	ISC	iLoc	???	???	_
NIE	3.59	359.7	Pn	00:29:04.679	2.2	T__	43.9	15324991	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_

(Station ML : 3.1 0

ARSA	3.61	294.8	Pn	00:29:03.065	0.4
ARSA	3.61	294.8	Pg	00:29:03.300	-11.1
ARSA	3.61	294.8	Sn	00:29:43.691	-0.4
BOSS	3.68	154.5	Pn	00:29:04.200	0.6
CONA	3.72	305.9	Pn	00:29:05.126	0.8
CONA	3.72	305.9	Sn	00:29:46.579	-1.1
DRME	3.74	193.3	Pn	00:29:07.800	2.5
SOKA	3.78	284.8	Pn	00:29:04.885	-0.4
SOKA	3.78	284.8	Sn	00:29:49.677	1.2
BURAR	3.80	60.3	Pn	00:29:06.686	0.5
A005B	3.80	313.4	Sn	00:29:50.920	1.3
OZUR	3.81	84.1	Pn	00:29:07.210	0.9
VTS	3.83	146.1	Pn	00:29:06.700	0.7
A001A	3.86	319.9	Pn	00:29:07.371	1.3

(Station ML : 3.7 1

PLVB	3.91	127.2	Pn	00:29:07.159	0.2
MAUC	3.92	335.2	Pn	00:29:11.000	3.9
MLR	3.94	93.0	Pn	00:29:09.386	0.8
MLR	3.94	93.0	Pg	00:29:09.700	-12.3
A013A	4.05	305.2	Sn	00:29:55.303	-0.1
OBKA	4.08	281.6	Pn	00:29:10.028	0.4
OBKA	4.08	281.6	Lg	00:30:11.767	-5.4
A008A	4.08	310.0	Pn	00:29:10.058	1.0

(Station ML : 3.4 1

A006A	4.13	316.2	Pn	00:29:12.329	2.5
A006A	4.13	316.2	Sn	00:30:00.353	2.2

(Station ML : 3.8 1

KRUC	4.19	321.7	Pn	00:29:11.000	0.3
KRUC	4.19	321.7	x	00:29:14.000	-99.0
KRUC	4.19	321.7	Pg	00:29:21.000	-6.0
KRUC	4.19	321.7	Sn	00:29:56.800	-3.0
OKC	4.27	340.5	Pn	00:29:13.700	1.9
OKC	4.27	340.5	Pg	00:29:16.500	-13.2
OKC	4.27	340.5	Pn	00:29:13.492	1.7

(Station ML : 3.2 0

VRAC	4.30	325.2	Pn	00:29:13.200	1.0
VRAC	4.30	325.2	x	00:29:16.100	-99.0
VRAC	4.30	325.2	Pg	00:29:22.500	-6.8
VRAC	4.30	325.2	Sn	00:30:01.300	-1.4
A007A	4.36	313.1	Sn	00:30:04.924	1.2
MORC	4.37	335.4	Pn	00:29:14.300	0.9
MORC	4.37	335.4	x	00:29:17.400	-99.0
PLOR	4.41	87.5	Pn	00:29:15.310	0.5
TESR	4.43	79.0	Pn	00:29:16.307	1.4
SKDS	4.44	268.5	Pn	00:29:15.300	1.1
VRI	4.46	87.3	Pn	00:29:16.564	1.1
MOA	4.63	298.0	Pn	00:29:17.066	0.0
MOA	4.63	298.0	Pg	00:29:18.900	-14.1
MOA	4.63	298.0	Sn	00:30:09.645	-0.0
TREC	4.77	318.2	Sn	00:30:12.000	-1.6
KRLC	4.87	331.9	Pn	00:29:24.700	4.4
BIOA	4.97	294.4	Pn	00:29:21.824	-0.0

T__	0.3	0.14	---	15324992	FDSN	IR	--	ISC	iLoc	???	???	_
---			---	15324993	FDSN	IR	--	ISC	iLoc	???	???	_
T__	3.4	0.32	---	15324994	FDSN	IR	--	ISC	iLoc	???	???	_
T__			---	15324995	FDSN	IR	--	ISC	iLoc	???	???	_
T__	4.0	0.30	---	15324996	FDSN	IR	--	ISC	iLoc	???	???	_
T__	13.6	0.58	---	15324997	FDSN	IR	--	ISC	iLoc	???	???	_
T__			---	15324998	FDSN	IR	--	ISC	iLoc	???	???	_
T__	0.5	0.22	---	15324999	FDSN	IR	--	ISC	iLoc	???	???	_
T__	4.8	0.50	---	15325000	FDSN	IR	--	ISC	iLoc	???	???	_
T__			---	15325001	FDSN	IR	--	ISC	iLoc	???	???	_
T__			---	15325002	FDSN	Z3	00	BUD	iLoc	HNN	???	_
T__			---	15325003	FDSN	IR	--	ISC	iLoc	???	???	_
T__			---	15325004	FDSN	IR	--	ISC	iLoc	???	???	_
T__	123.1		--- MLv	15325005	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
T__			---	15325006	FDSN	IR	--	ISC	iLoc	???	???	_
T__			---	15325007	FDSN	IR	--	ISC	iLoc	???	???	_
T__			---	15325008	FDSN	IR	--	ISC	iLoc	???	???	_
---			---	15325009	FDSN	IR	--	ISC	iLoc	???	???	_
T__			---	15325010	FDSN	Z3	00	BUD	iLoc	HHE	???	_
T__	0.5	0.28	---	15325011	FDSN	IR	--	ISC	iLoc	???	???	_
T__	15.9	0.62	---	15325012	FDSN	IR	--	ISC	iLoc	???	???	_
T__	66.3		--- MLv	15325013	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
T__	148.5		--- MLv	15325014	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
T__			---	15325015	FDSN	Z3	00	BUD	iLoc	HHE	???	_
T__			---	15325016	FDSN	IR	--	ISC	iLoc	???	???	_
---			---	15325017	FDSN	IR	--	ISC	iLoc	???	???	_
---			---	15325018	FDSN	IR	--	ISC	iLoc	???	???	_
T__			---	15325019	FDSN	IR	--	ISC	iLoc	???	???	_
T__			---	15325020	FDSN	IR	--	ISC	iLoc	???	???	_
---			---	15325021	FDSN	IR	--	ISC	iLoc	???	???	_
T__	37.5		--- MLv	15325022	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_
T__			---	15325023	FDSN	IR	--	ISC	iLoc	???	???	_
---			---	15325024	FDSN	IR	--	ISC	iLoc	???	???	_
---			---	15325025	FDSN	IR	--	ISC	iLoc	???	???	_
T__			---	15325026	FDSN	IR	--	ISC	iLoc	???	???	_
T__			---	15325027	FDSN	Z3	00	BUD	iLoc	HHE	???	_
T__			---	15325028	FDSN	IR	--	ISC	iLoc	???	???	_
---			---	15325029	FDSN	IR	--	ISC	iLoc	???	???	_
T__			---	15325030	FDSN	IR	--	ISC	iLoc	???	???	_
T__			---	15325031	FDSN	IR	--	ISC	iLoc	???	???	_
T__			---	15325032	FDSN	IR	--	ISC	iLoc	???	???	_
T__			---	15325033	FDSN	IR	--	ISC	iLoc	???	???	_
T__	0.4	0.18	---	15325034	FDSN	IR	--	ISC	iLoc	???	???	_
---			---	15325035	FDSN	IR	--	ISC	iLoc	???	???	_
T__	1.4	0.30	---	15325036	FDSN	IR	--	ISC	iLoc	???	???	_
T__			---	15325037	FDSN	IR	--	ISC	iLoc	???	???	_
T__			---	15325038	FDSN	IR	--	ISC	iLoc	???	???	_
T__	1.2	0.32	---	15325039	FDSN	IR	--	ISC	iLoc	???	???	_

BIOA	4.97	294.4	Sn	00:30:20.155	2.4	T__	6.2	0.64	---	15325040	FDSN	IR	--	ISC	iLoc	???	???	_
KBA	4.99	286.9	Pn	00:29:21.541	-1.1	T__	1.3	0.48	---	15325041	FDSN	IR	--	ISC	iLoc	???	???	_
KBA	4.99	286.9	Sn	00:30:19.613	0.4	T__	0.5	0.26	---	15325042	FDSN	IR	--	ISC	iLoc	???	???	_
CKRC	5.07	308.2	Pn	00:29:26.800	3.9	T__			---	15325043	FDSN	IR	--	ISC	iLoc	???	???	_
DPC	5.26	330.7	Pn	00:29:29.500	3.7	T__			---	15325044	FDSN	IR	--	ISC	iLoc	???	???	_
SRS	5.28	152.2	Pn	00:29:26.000	0.4	T__			---	15325045	FDSN	IR	--	ISC	iLoc	???	???	_
OSTC	5.47	331.2	Pn	00:29:32.300	3.6	T__			---	15325046	FDSN	IR	--	ISC	iLoc	???	???	_
ABTA	5.50	282.3	Pn	00:29:31.181	1.8	T__	0.3	0.20	---	15325047	FDSN	IR	--	ISC	iLoc	???	???	_
ABTA	5.50	282.3	Sn	00:30:33.316	2.3	T__	0.5	0.18	---	15325048	FDSN	IR	--	ISC	iLoc	???	???	_
LESA	5.51	289.5	Pn	00:29:29.860	0.1	T__	1.6	0.36	---	15325049	FDSN	IR	--	ISC	iLoc	???	???	_
LESA	5.51	289.5	Sn	00:30:33.601	2.4	T__	0.8	0.30	---	15325050	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	5.65	308.2	Pn	00:29:34.700	3.9	T__			---	15325051	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	5.65	308.2	Sn	00:30:34.100	-1.3	T__			---	15325052	FDSN	IR	--	ISC	iLoc	???	???	_
WTTA	6.17	286.5	Pn	00:29:40.817	1.9	T__	0.3	0.14	---	15325053	FDSN	IR	--	ISC	iLoc	???	???	_
WTTA	6.17	286.5	Sn	00:30:48.640	1.4	T__	2.7	0.60	---	15325054	FDSN	IR	--	ISC	iLoc	???	???	_
NOR	37.88	351.7	P	00:35:20.310	-3.9	T__			---	15325055	FDSN	IR	--	ISC	iLoc	???	???	_
NOR	37.88	351.7	S	00:35:24.680	-350.7	---			---	15325056	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/12/17	07:44:35.68	0.17	0.45	46.0291	22.8992	1.7	1.2	94	10.1F	1.9	22	98	0.14	1.50	a	ke	BUC	15282214	ISC			360
2019/12/17	07:44:35.00	0.79	0.58	46.0603	22.8665	4.0	2.6	85	0.0S		48	11	96	0.17	1.52	m	sx	BUD	15324540	iLoc		132
(description : suspected quarry blast)																						
(locality : Baita Romania)																						

Magnitude	Err	Nsta	Author	OrigID
ml	1.8		BUC	15282214
ML	1.8	0.0	5 ILOC	15324540

Sta	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	172.8	Pg	07:44:38.154	-0.2					T__		944.8			MLv	15324542	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DEV	0.17	172.8	Lg	07:44:41.297	0.5					T__						15324543	FDSN	RO	--	BUD	iLoc	BHN	???	_
DEV	0.18	171.7	Pg	07:44:38.537	0.1					T__						15324544	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.18	171.7	Pg	07:44:38.537	0.1					T__		0.6				15324545	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.18	171.7	Lg	07:44:41.920	1.0					T__		0.6				15324546	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.18	171.7	Lg	07:44:41.920	1.0					T__						15324547	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.8 1																								
MARR	0.64	15.8	Pg	07:44:48.161	0.2					T__						15324548	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.64	15.8	Pg	07:44:48.161	0.2					T__						15324549	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.64	15.8	Lg	07:44:57.368	-0.9					T__						15324550	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.67	185.4	Pg	07:44:47.840	-0.0					T__		85.2			MLv	15324551	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	0.67	185.4	Lg	07:44:56.695	-0.7					T__						15324552	FDSN	RO	--	BUD	iLoc	BHN	???	_
GZR	0.67	185.4	Lg	07:44:57.154	-0.2					T__		0.1				15324553	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.67	185.4	Lg	07:44:57.154	-0.2					T__						15324554	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.8 1																								
DRGR	0.74	351.7	Pg	07:44:50.379	0.5					T__						15324555	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.74	351.7	Pg	07:44:50.379	0.5					T__						15324556	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.74	351.7	Lg	07:45:01.851	-0.0					T__						15324557	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.74	351.7	Pg	07:44:50.050	0.1					T__		80.5			MLv	15324558	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.74	351.7	Lg	07:45:00.139	-1.7					T__						15324559	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.8 1																								
CJR	0.83	37.5	Pn	07:44:52.788	-0.5					T__						15324560	FDSN	IR	--	ISC	iLoc	???	???	_

CJR	0.83	37.5	Pn	07:44:52.788	-0.5	T__	0.1	---	15324561	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.83	37.5	Lg	07:45:04.016	-0.2	T__	0.1	---	15324562	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.83	37.5	Lg	07:45:04.016	-0.2	T__		---	15324563	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.86	284.2	Lg	07:45:04.261	-0.8	T__		---	15324564	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	0.86	284.3	Pg	07:44:53.173	0.6	T__		---	15324565	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.86	284.3	Pg	07:44:53.173	0.6	T__	0.1	---	15324566	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.86	284.3	Lg	07:45:05.798	0.7	T__	0.1	---	15324567	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.86	284.3	Lg	07:45:05.798	0.7	T__		---	15324568	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.88	133.8	Pg	07:44:52.072	0.2	T__		---	15324569	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.88	133.8	Pg	07:44:52.072	0.2	T__		---	15324570	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.88	133.8	Lg	07:45:04.261	-0.5	T__		---	15324571	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.88	133.8	Pn	07:44:53.726	-0.8	T__	73.9	---	15324572	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
LOT	0.88	133.8	Lg	07:45:04.464	-0.5	T__		---	15324573	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.9 0)																	
BZS	0.96	243.2	Pg	07:44:53.031	-0.8	T__	34.5	---	15324574	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.96	243.2	Lg	07:45:06.754	-0.6	T__		---	15324575	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	0.98	243.5	Pg	07:44:53.468	-0.6	T__		---	15324576	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.98	243.5	Pg	07:44:53.468	-0.6	T__		---	15324577	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.98	243.5	Lg	07:45:08.300	0.4	T__		---	15324578	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.6 0)																	
HERR	1.22	195.2	Pg	07:44:57.990	-0.1	T__		---	15324579	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.22	195.2	Pg	07:44:57.990	-0.1	T__	0.1	---	15324580	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.22	195.2	Lg	07:45:14.933	0.4	T__	0.1	---	15324581	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.22	195.2	Lg	07:45:14.933	0.4	T__		---	15324582	FDSN	IR	--	ISC	iLoc	???	???	_
SRE	1.42	170.2	Pg	07:45:01.016	-0.4	T__		---	15324583	FDSN	IR	--	ISC	iLoc	???	???	_
SRE	1.42	170.2	Pg	07:45:01.016	-0.4	T__	0.1	---	15324584	FDSN	IR	--	ISC	iLoc	???	???	_
SRE	1.42	170.2	Lg	07:45:20.501	-0.7	T__	0.1	---	15324585	FDSN	IR	--	ISC	iLoc	???	???	_
SRE	1.42	170.2	Lg	07:45:20.501	-0.7	T__		---	15324586	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.52	212.8	Pn	07:45:03.293	0.3	T__		---	15324587	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.52	212.8	Pn	07:45:03.293	0.3	T__		---	15324588	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.52	212.8	Sn	07:45:23.226	-0.7	T__		---	15324589	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/12/17	07:45:50.84	0.16	0.41	46.0393	22.8618	1.6	1.1	96	6.9F	2.5	20	96	0.15	1.49	a	ke	BUC	15282302	ISC			360
2019/12/17	07:45:50.28	0.83	0.58	46.0676	22.8479	4.4	2.8	86	0.OS		33	10	94	0.18	1.51	m	sx	BUD	15324622	iLoc		130

(description : suspected quarry blast)
(locality : Baita Romania)

Magnitude	Err	Nsta	Author	OrigID
m1	1.3		BUC	15282302
ML	1.5	0.1	4 ILOC	15324622

Sta	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	169.0	Pg	07:45:53.460	-0.3					T__		806.4		---	MLv	15324624	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
DEV	0.18	169.0	Lg	07:45:56.514	0.1					T__				---		15324625	FDSN	RO	--	BUD	iLoc	BHE	???	_		
DEV	0.19	168.1	Pg	07:45:53.657	-0.2					T__				---		15324626	FDSN	IR	--	ISC	iLoc	???	???	_		
DEV	0.19	168.1	Pg	07:45:53.657	-0.2					T__		0.4		---		15324627	FDSN	IR	--	ISC	iLoc	???	???	_		
DEV	0.19	168.1	Lg	07:45:56.971	0.4					T__		0.4		---		15324628	FDSN	IR	--	ISC	iLoc	???	???	_		
DEV	0.19	168.1	Lg	07:45:56.971	0.4					T__				---		15324629	FDSN	IR	--	ISC	iLoc	???	???	_		
(Station ML : 1.7 1)																										
MARR	0.64	17.0	Pg	07:46:03.061	-0.1					T__				---		15324630	FDSN	IR	--	ISC	iLoc	???	???	_		

MARR	0.64	17.0	Pg	07:46:03.061	-0.1	T__	---	15324631	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.64	17.0	Lg	07:46:12.443	-1.0	T__	---	15324632	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.68	184.3	Pg	07:46:02.977	-0.3	T__	47.2	---	MLv	15324633	FDSN	RO	--	BUD	iLoc	BHZ BHZ _
GZR	0.68	184.3	Lg	07:46:11.882	-1.0	T__	---	15324634	FDSN	RO	--	BUD	iLoc	BHE	???	_
GZR	0.68	184.3	Lg	07:46:12.528	-0.3	T__	---	15324635	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.5 1																
DRGR	0.73	352.6	Lg	07:46:16.419	-0.4	T__	---	15324636	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.73	352.6	Pg	07:46:05.063	0.1	T__	39.3	---	MLv	15324637	FDSN	RO	--	BUD	iLoc	BHZ BHZ _
DRGR	0.73	352.6	Lg	07:46:14.529	-2.3	T__	---	15324638	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.5 1																
CJR	0.83	38.5	Pg	07:46:07.327	0.6	T__	---	15324639	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.83	38.5	Pg	07:46:07.327	0.6	T__	---	15324640	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.83	38.5	Lg	07:46:19.667	0.1	T__	---	15324641	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.85	283.9	Lg	07:46:20.076	0.2	T__	---	15324642	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	0.85	284.0	Pg	07:46:08.046	0.5	T__	---	15324643	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.85	284.0	Pg	07:46:08.046	0.5	T__	---	15324644	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.85	284.0	Lg	07:46:19.756	-0.1	T__	---	15324645	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.89	133.5	Pg	07:46:07.913	0.5	T__	---	15324646	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.89	133.5	Pg	07:46:07.913	0.5	T__	---	15324647	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.89	133.5	Lg	07:46:20.211	-0.3	T__	---	15324648	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.96	242.4	Pg	07:46:09.033	0.1	T__	27.3	---	MLv	15324649	FDSN	RO	--	BUD	iLoc	BHZ BHZ _
BZS	0.96	242.4	Lg	07:46:22.468	0.1	T__	---	15324650	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.5 1																
HERR	1.22	194.5	Pg	07:46:13.326	-0.1	T__	---	15324651	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.22	194.5	Pg	07:46:13.326	-0.1	T__	---	15324652	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.22	194.5	Lg	07:46:29.974	0.0	T__	---	15324653	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.51	212.3	Pn	07:46:18.431	0.2	T__	---	15324654	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.51	212.3	Pn	07:46:18.431	0.2	T__	---	15324655	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.51	212.3	Sn	07:46:39.179	0.0	T__	---	15324656	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/12/17	10:39:56.69	0.94	0.70	48.5441	20.7793	5.5	3.4	0	0.0S		16	10	84	0.17	1.31	m	sx BUD	15324676	iLoc			123
(description : suspected quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.2	8 ILOC	15324676

Sta	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	253.3	Pg	10:40:00.206	-0.1					T__		665.1		---	MLv	15324678	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.17	253.3	Lg	10:40:03.563	0.5					T__				---		15324679	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 1.6 1																								
KECS	0.20	252.8	Pg	10:40:00.723	-0.3					T__		3248.3		---	MLv	15324680	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.20	252.8	Lg	10:40:04.774	0.4					T__				---		15324681	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 2.4 0																								
ABAH	0.39	128.8	Pg	10:40:04.936	0.1					T__		71.2		---	MLv	15324682	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.39	128.8	Lg	10:40:11.088	-0.6					T__				---		15324683	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.2 0																								
HU02A	0.46	202.0	Pg	10:40:06.342	-0.0					T__		55.4		---	MLv	15324684	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.46	202.0	Lg	10:40:14.138	0.4					T__				---		15324685	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.3 1																								

PSZ	0.86	223.7	Pn	10:40:15.265	0.1	T__	65.1	---	MLv	15324686	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.86	223.7	Lg	10:40:27.715	-0.1	T__		---		15324687	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.8 1																		
STHS	0.93	19.1	Pg	10:40:13.919	0.0	T__	72.3	---	MLv	15324688	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 1.9 1																		
NIE	0.93	340.8	Pn	10:40:16.438	0.3	T__	36.7	---	MLv	15324689	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 1.6 1																		
A336A	1.23	256.0	Lg	10:40:39.269	-0.7	T__		---		15324690	FDSN	Z3	00	BUD	iLoc	HH2	???	_
TRPA	1.25	108.8	Pg	10:40:20.520	-0.2	T__	19.0	---	MLv	15324691	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
TRPA	1.25	108.8	Sn	10:40:37.307	-1.8	T__		---		15324692	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.5 1																		
STZU	1.31	68.1	Pn	10:40:22.706	1.2	T__		---		15324693	FDSN	UA	--	BUD	iLoc	MHZ	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/12/17 12:26:11.83 1.07 0.92 48.6553 19.0952 6.6 4.2 18 0.0S 16 11 115 0.43 1.47 m sx BUD 15324727 iLoc 169
 (description : suspected quarry blast)
 (locality : Badin Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.8 0.1 5 ILOC 15324727

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
A336A	0.43	188.7	Lg	12:26:28.070	0.8					T__						15324729	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A332A	0.44	289.9	Lg	12:26:27.369	0.2					T__						15324730	FDSN	Z3	00	BUD	iLoc	HHE	???	_
HU10A	0.81	183.6	Lg	12:26:40.183	-1.1					T__						15324731	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
PSZ	0.91	143.8	Pn	12:26:32.097	1.0					T__	44.0					15324732	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.91	143.8	Lg	12:26:44.330	-0.3					T__						15324733	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.6 0																								
KECS	0.94	100.0	Pn	12:26:32.432	1.2					T__	95.0					15324734	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.94	100.0	Lg	12:26:44.483	0.1					T__						15324735	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 2.0 1																								
JAVC	0.96	282.7	Lg	12:26:45.450	-0.7					T__						15324736	FDSN	CZ	--	BUD	iLoc	BHE	???	_
JOS	0.97	98.9	Pn	12:26:31.302	-0.4					T__	53.6					15324737	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.97	98.9	Lg	12:26:44.339	-0.9					T__						15324738	FDSN	ZJ	--	BUD	iLoc	HHN	???	_
(Station ML : 1.8 1																								
HU02A	1.09	118.7	Pg	12:26:34.252	0.1					T__	38.3					15324739	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	1.09	118.7	Lg	12:26:49.128	-0.9					T__						15324740	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 1.7 1																								
NIE	1.11	45.9	Sn	12:26:49.979	-1.6					T__						15324741	FDSN	PL	--	BUD	iLoc	BHE	???	_
MODS	1.24	257.5	Sn	12:26:53.491	-1.2					T__						15324742	FDSN	SK	--	BUD	iLoc	HHE	???	_
ABAH	1.47	103.3	Pg	12:26:41.226	0.7					T__	59.1					15324743	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	1.47	103.3	Lg	12:27:02.244	0.6					T__						15324744	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/12/18 10:07:01.48 1.56 0.80 48.5671 20.7827 11.6 4.0 7 0.0S 11 6 151 0.18 0.91 m sx BUD 15325313 iLoc 244
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.5 0.2 6 ILOC 15325313

Sta	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	246.4	Pg	10:07:05.336	0.1					T__		396.9		---	MLv	15325315	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.18	246.4	Lg	10:07:08.892	0.7					T__				---		15325316	FDSN	ZJ	--	BUD	iLoc	HHN	???	_
(Station ML : 1.4 1)																								
KECS	0.21	247.1	Pg	10:07:05.872	-0.1					T__		1109.6		---	MLv	15325317	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.21	247.1	Lg	10:07:09.669	0.2					T__				---		15325318	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.9 0)																								
ABAH	0.41	131.5	Pg	10:07:10.347	0.5					T__		72.1		---	MLv	15325319	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.41	131.5	Lg	10:07:15.806	-1.1					T__				---		15325320	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.3 0)																								
HU02A	0.48	201.2	Pg	10:07:11.498	-0.1					T__		56.8		---	MLv	15325321	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.48	201.2	Lg	10:07:19.580	0.3					T__				---		15325322	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 1.4 1)																								
PSZ	0.88	222.8	Pn	10:07:19.200	-1.0					T__		62.2		---	MLv	15325323	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.88	222.8	Lg	10:07:32.989	-0.2					T__				---		15325324	FDSN	GE	--	BUD	iLoc	BHE	???	_
(Station ML : 1.8 1)																								
NIE	0.91	340.2	Pn	10:07:19.233	-1.4					T__		38.7		---	MLv	15325325	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/12/19 08:52:12.17 1.25 1.39 48.7284 20.8118 6.5 5.9 3 0.0S 11 6 171 0.30 1.02 m sx BUD 15325351 iLoc 284
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.7 0.1 5 ILOC 15325351

Sta	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	0.30	218.1	Pg	08:52:19.148	0.9					T__		379.0		---	MLv	15325353	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.30	218.1	Lg	08:52:23.015	0.2					T__				---		15325354	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 1.7 1)																								
KECS	0.33	221.5	Pg	08:52:19.693	0.8					T__		823.8		---	MLv	15325355	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.33	221.5	Lg	08:52:23.984	0.0					T__				---		15325356	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 2.1 0)																								
ABAH	0.52	146.5	Pg	08:52:23.657	1.0					T__		100.5		---	MLv	15325357	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.52	146.5	Lg	08:52:30.066	-1.3					T__				---		15325358	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.7 1)																								
HU02A	0.64	197.6	Pg	08:52:25.097	-0.3					T__		57.0		---	MLv	15325359	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.64	197.6	Lg	08:52:32.926	-2.5					T__				---		15325360	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.6 0)																								
NIE	0.77	334.8	Lg	08:52:36.027	-1.5					T__				---		15325361	FDSN	PL	--	BUD	iLoc	BHZ	???	_
PSZ	1.02	217.4	Pn	08:52:33.010	0.2					T__		67.2		---	MLv	15325362	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	1.02	217.4	Lg	08:52:47.012	-1.5					T__				---		15325363	FDSN	GE	--	BUD	iLoc	BHE	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/12/20 10:11:21.94 1.50 0.91 48.5885 20.7800 13.8 3.9 0 0.0S 14 8 90 0.19 1.26 m sx BUD 15325385 iLoc 130

(description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.5 0.1 7 ILOC 15325385

Sta	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	240.1	Pg	10:11:25.881	0.0					T__		472.9		---	MLv	15325387	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.19	240.1	Lg	10:11:29.528	0.6					T__				---		15325388	FDSN	ZJ	--	BUD	iLoc	HNN	???	_
(Station ML : 1.5 1																								
KECS	0.22	241.8	Pg	10:11:26.408	-0.2					T__		1307.0		---	MLv	15325389	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.22	241.8	Lg	10:11:30.265	0.1					T__				---		15325390	FDSN	SK	--	BUD	iLoc	EHZ	???	_
(Station ML : 2.0 0																								
ABAH	0.42	133.5	Pg	10:11:30.715	0.1					T__		78.9		---	MLv	15325391	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.42	133.5	Lg	10:11:37.781	-0.2					T__				---		15325392	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.4 0																								
STHS	0.88	20.0	Pn	10:11:39.844	-0.9					T__		66.3		---	MLv	15325393	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 1.8 1																								
NIE	0.89	339.9	Pn	10:11:42.222	1.4					T__		35.1		---	MLv	15325394	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.89	339.9	Sn	10:11:54.012	-2.1					T__				---		15325395	FDSN	PL	--	BUD	iLoc	BHE	???	_
(Station ML : 1.5 1																								
PSZ	0.89	221.8	Pn	10:11:40.448	-0.4					T__		66.2		---	MLv	15325396	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.89	221.8	Lg	10:11:53.832	-0.4					T__				---		15325397	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.8 1																								
A336A	1.24	254.0	Sn	10:12:04.715	0.6					T__				---		15325398	FDSN	Z3	00	BUD	iLoc	HH3	???	_
TRPA	1.26	110.7	Pg	10:11:46.222	0.0					T__		20.9		---	MLv	15325399	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
TRPA	1.26	110.7	Sn	10:12:03.817	-1.0					T__				---		15325400	FDSN	HU	--	BUD	iLoc	BHZ	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/12/20 12:21:52.49 1.48 1.15 48.8658 20.8876 10.7 8.9 79 0.0S 10 6 191 0.44 1.16 m sx BUD 15325623 iLoc 302
 (description : suspected quarry blast)
 (locality : Jaklovce Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.8 0.1 4 ILOC 15325623

Sta	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	212.2	Pn	12:22:04.947	-1.1					T__		210.6		---	MLv	15325625	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.44	212.2	Lg	12:22:08.997	1.1					T__				---		15325626	FDSN	ZJ	--	BUD	iLoc	HNN	???	_
(Station ML : 1.8 1																								
KECS	0.47	215.0	Pn	12:22:05.465	-1.0					T__		323.7		---	MLv	15325627	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.47	215.0	Lg	12:22:10.032	1.1					T__				---		15325628	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 2.1 1																								
ABAH	0.62	157.6	Pn	12:22:08.940	0.4					T__		88.5		---	MLv	15325629	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.62	157.6	Lg	12:22:15.220	0.1					T__				---		15325630	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 1.8 1																								
NIE	0.67	325.9	Sn	12:22:20.945	0.5					T__				---		15325631	FDSN	PL	--	BUD	iLoc	BHN	???	_
HU02A	0.78	198.1	Pn	12:22:11.213	1.5					T__		57.1		---	MLv	15325632	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.78	198.1	Lg	12:22:19.371	-1.3					T__				---		15325633	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 1.7 1																								
PSZ	1.16	215.3	Sn	12:22:33.710	0.6					T__				---		15325634	FDSN	GE	--	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
 2019/12/20 12:22:36.70 1.25 1.33 48.7456 20.7920 6.4 6.2 173 0.0S 11 7 142 0.30 1.32 m sx BUD 15325430 iLoc 259
 (description : suspected quarry blast)
 (locality : Jaklovce Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.6 0.2 4 ILOC 15325430

Sta	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	0.30	214.1	Pg	12:22:43.649	0.8					T__		180.7		---	MLv	15325432	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.30	214.1	Lg	12:22:47.866	0.3					T__				---		15325433	FDSN	ZJ	--	BUD	iLoc	HHN	???	_
				(Station ML : 1.4 1																				
KECS	0.33	217.9	Pg	12:22:44.513	1.0					T__		438.6		---	MLv	15325434	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.33	217.9	Lg	12:22:48.666	0.0					T__				---		15325435	FDSN	SK	--	BUD	iLoc	EHE	???	_
				(Station ML : 1.9 1																				
ABAH	0.54	146.3	Pg	12:22:48.357	0.8					T__		84.6		---	MLv	15325436	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.54	146.3	Lg	12:22:56.059	-0.6					T__				---		15325437	FDSN	HU	--	BUD	iLoc	HHE	???	_
				(Station ML : 1.7 1																				
HU02A	0.65	196.0	Pg	12:22:49.805	-0.4					T__		51.5		---	MLv	15325438	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.65	196.0	Lg	12:22:58.175	-2.2					T__				---		15325439	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
				(Station ML : 1.6 1																				
NIE	0.74	335.1	Lg	12:23:00.152	-1.2					T__				---		15325440	FDSN	PL	--	BUD	iLoc	BHZ	???	_
PSZ	1.02	216.2	Lg	12:23:11.184	-2.1					T__				---		15325441	FDSN	GE	--	BUD	iLoc	BHE	???	_
TRPA	1.32	117.2	Sn	12:23:20.273	-0.7					T__				---		15325442	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2019/12/21 14:51:47.33 1.02 1.34 48.6811 22.4431 8.5 4.6 83 11.2F 11.7 20 14 124 0.11 1.90 m ke BUD 15325460 iLoc 190

Magnitude Err Nsta Author OrigID
 ML 2.3 0.1 7 ILOC 15325460

Sta	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	0.11	243.3	Pg	14:51:48.623	-1.7					T__				---		15325462	FDSN	UA	--	BUD	iLoc	BHZ	???	_
MUKU	0.28	144.4	Pg	14:51:54.335	1.2					T__				---		15325463	FDSN	UA	--	BUD	iLoc	MHZ	???	_
STZU	0.36	19.4	Pg	14:51:54.630	0.2					T__				---		15325464	FDSN	UA	--	BUD	iLoc	MHZ	???	_
TRPA	0.55	173.3	Pg	14:51:58.328	0.1					T__		37.6		---	MLv	15325465	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
TRPA	0.55	173.3	Lg	14:52:05.322	-1.5					T__				---		15325466	FDSN	HU	--	BUD	iLoc	BHE	???	_
				(Station ML : 1.4 0																				
HU07A	0.78	206.9	Lg	14:52:16.377	2.1					T__				---		15325467	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
ABAH	0.89	244.7	Pg	14:52:04.062	-0.6					T__		224.1		---	MLv	15325468	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.89	244.7	Lg	14:52:17.871	0.3					T__				---		15325469	FDSN	HU	--	BUD	iLoc	HHE	???	_
				(Station ML : 2.3 1																				
STHS	1.08	313.5	Pg	14:52:07.397	0.1					T__		176.2		---	MLv	15325470	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
STHS	1.08	313.5	Sn	14:52:24.549	0.4					T__				---		15325471	FDSN	SK	--	BUD	iLoc	EHN	???	_
				(Station ML : 2.3 1																				
BMR	1.23	144.7	Pn	14:52:10.658	0.8					T__		159.1		---	MLv	15325472	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BMR	1.23	144.7	Sn	14:52:28.748	1.1					T__				---		15325473	FDSN	RO	--	BUD	iLoc	BHE	???	_

```
(Station ML : 2.4 0
JOS 1.28 262.4 Pn 14:52:10.000 -0.2 T__ 66.4 --- MLv 15325474 FDSN ZJ -- BUD iLoc HHZ HHZ _
JOS 1.28 262.4 Sn 14:52:28.194 0.1 T__ --- 15325475 FDSN ZJ -- BUD iLoc HHZ ??? _
(Station ML : 2.0 1
KECS 1.31 262.1 Sn 14:52:28.222 -0.8 T__ --- 15325476 FDSN SK -- BUD iLoc EHN ??? _
HU02A 1.40 247.1 Pn 14:52:11.267 -0.7 T__ 65.3 --- MLv 15325477 FDSN ZJ 00 BUD iLoc HHZ HHZ _
HU02A 1.40 247.1 Sn 14:52:30.926 -0.3 T__ --- 15325478 FDSN ZJ 00 BUD iLoc HHN ??? _
(Station ML : 2.1 1
NIE 1.58 298.6 Lg 14:52:39.303 1.7 T__ --- 15325479 FDSN PL -- BUD iLoc BHE ??? _
PSZ 1.87 246.8 Sn 14:52:45.914 3.3 T__ --- 15325480 FDSN GE -- BUD iLoc BHE ??? _
DRGR 1.90 174.4 Pn 14:52:19.358 0.2 T__ 55.4 --- MLv 15325481 FDSN RO -- BUD iLoc BHZ BHZ _
```

```
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2019/12/23 06:56:32.50 0.50 46.0120 22.8720 0.1 0.0 12.0F 9.2 18 0.62 3.28 a ke BEO 15282373 ISC 360
2019/12/23 06:56:31.82 0.14 0.39 46.0285 22.8263 1.2 0.9 104 6.9F 1.6 25 67 0.15 2.24 a ke BUC 15282376 ISC 360
2019/12/23 06:56:31.31 0.62 0.88 46.0618 22.8151 3.4 2.5 99 0.0S 71 21 69 0.18 3.32 m sx BUD 15325511 iLoc 112
```

(description : suspected quarry blast)
(locality : Baita Romania)

```
Magnitude Err Nsta Author OrigID
ML 2.0 BEO 15282373
ml 2.0 BUC 15282376
ML 1.8 0.1 7 ILOC 15325511
```

```
Sta 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 0.18 161.7 Pg 06:56:34.350 -0.5 T__ 984.1 --- MLv 15325513 FDSN RO -- BUD iLoc BHZ BHZ _
DEV 0.18 161.7 Lg 06:56:37.607 0.2 T__ --- 15325514 FDSN RO -- BUD iLoc BHN ??? _
DEV 0.19 161.0 Pg 06:56:34.520 -0.4 T__ --- 15325515 FDSN IR -- ISC iLoc ??? ??? _
DEV 0.19 161.0 Pg 06:56:34.520 -0.4 T__ 0.5 --- 15325516 FDSN IR -- ISC iLoc ??? ??? _
DEV 0.19 161.0 Lg 06:56:37.166 -0.4 T__ 0.5 --- 15325517 FDSN IR -- ISC iLoc ??? ??? _
DEV 0.19 161.0 Lg 06:56:37.166 -0.4 T__ --- 15325518 FDSN IR -- ISC iLoc ??? ??? _
(Station ML : 1.8 1
MARR 0.65 18.8 Pg 06:56:44.378 -0.1 T__ --- 15325519 FDSN IR -- ISC iLoc ??? ??? _
MARR 0.65 18.8 Pg 06:56:44.378 -0.1 T__ --- 15325520 FDSN IR -- ISC iLoc ??? ??? _
MARR 0.65 18.8 Lg 06:56:53.791 -1.1 T__ --- 15325521 FDSN IR -- ISC iLoc ??? ??? _
GZR 0.67 182.3 Pg 06:56:43.892 -0.3 T__ 77.5 --- MLv 15325522 FDSN RO -- BUD iLoc BHZ BHZ _
GZR 0.67 182.3 Lg 06:56:53.282 -0.4 T__ --- 15325523 FDSN RO -- BUD iLoc BHE ??? _
(Station ML : 1.8 1
DRGR 0.73 354.4 Pg 06:56:45.700 -0.4 T__ --- 15325524 FDSN IR -- ISC iLoc ??? ??? _
DRGR 0.73 354.4 Pb 06:56:46.302 0.2 T__ --- 15325525 FDSN IR -- ISC iLoc ??? ??? _
DRGR 0.73 354.4 Pb 06:56:46.302 0.2 T__ --- 15325526 FDSN IR -- ISC iLoc ??? ??? _
DRGR 0.73 354.4 Lg 06:56:57.827 -0.1 T__ --- 15325527 FDSN IR -- ISC iLoc ??? ??? _
DRGR 0.73 354.4 Sg 06:56:59.500 1.5 T__ --- 15325528 FDSN IR -- ISC iLoc ??? ??? _
DRGR 0.73 354.4 Pg 06:56:46.157 0.1 T__ 71.2 --- MLv 15325529 FDSN RO -- BUD iLoc BHZ BHZ _
DRGR 0.73 354.4 Lg 06:56:58.574 0.6 T__ --- 15325530 FDSN RO -- BUD iLoc BHN ??? _
(Station ML : 1.8 1
SIRR 0.83 284.7 Pg 06:56:47.582 -0.6 T__ 71.4 --- MLv 15325531 FDSN RO -- BUD iLoc BHZ BHZ _
SIRR 0.83 284.7 Lg 06:57:00.203 -0.1 T__ --- 15325532 FDSN RO -- BUD iLoc BHN ??? _
SIRR 0.83 284.8 Pg 06:56:47.400 -0.8 T__ --- 15325533 FDSN IR -- ISC iLoc ??? ??? _
SIRR 0.83 284.8 Lg 06:56:59.870 -0.4 T__ 0.1 --- 15325534 FDSN IR -- ISC iLoc ??? ??? _
SIRR 0.83 284.8 Lg 06:56:59.870 -0.4 T__ --- 15325535 FDSN IR -- ISC iLoc ??? ??? _
```

SIRR	0.83	284.8	Sg	06:57:01.100	0.8	T__			15325536	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.8 1																	
CJR	0.85	39.5	Pn	06:56:49.136	-0.7	T__			15325537	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.85	39.5	Pn	06:56:49.136	-0.7	T__	0.1		15325538	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.85	39.5	Pn	06:56:49.494	-0.4	T__	142.1	MLv	15325539	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
CJR	0.85	39.5	Lg	06:57:01.061	-0.1	T__	0.1		15325540	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.85	39.5	Lg	06:57:01.061	-0.1	T__			15325541	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.1 0																	
LOT	0.91	132.2	Pg	06:56:48.935	0.2	T__			15325542	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.91	132.2	Pg	06:56:48.935	0.2	T__			15325543	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.91	132.2	Lg	06:57:01.778	-0.2	T__			15325544	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.91	132.3	Pg	06:56:49.388	0.6	T__	88.7	MLv	15325545	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
LOT	0.91	132.3	Lg	06:57:00.584	-1.6	T__			15325546	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 2.0 1																	
BZS	0.93	242.1	Pg	06:56:49.541	0.0	T__	49.0	MLv	15325547	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.93	242.1	Lg	06:57:03.155	0.5	T__			15325548	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	0.95	242.4	Pg	06:56:49.400	-0.4	T__			15325549	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.95	242.4	Pb	06:56:50.021	0.2	T__			15325550	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.95	242.4	Pb	06:56:50.021	0.2	T__			15325551	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.95	242.4	Lg	06:57:02.936	-0.2	T__			15325552	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.95	242.4	Sg	06:57:04.000	0.8	T__			15325553	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.7 0																	
MDB	1.09	85.2	Lg	06:57:07.874	0.4	T__			15325554	FDSN	IR	--	ISC	iLoc	???	???	_
MDB	1.09	85.2	Lg	06:57:07.874	0.4	T__	0.1		15325555	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	1.09	4.8	Sn	06:57:09.472	-0.5	T__			15325556	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	1.09	4.8	Sn	06:57:09.472	-0.5	T__	0.1		15325557	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.21	193.5	Pg	06:56:54.294	0.0	T__			15325558	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.21	193.5	Pg	06:56:54.294	0.0	T__	0.1		15325559	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.21	193.5	Lg	06:57:10.791	0.2	T__	0.1		15325560	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.21	193.5	Lg	06:57:10.791	0.2	T__			15325561	FDSN	IR	--	ISC	iLoc	???	???	_
VRSS	1.41	228.6	Pn	06:56:57.500	-0.0	T__			15325562	FDSN	IR	--	ISC	iLoc	???	???	_
VRSS	1.41	228.6	Sn	06:57:16.500	-0.8	T__			15325563	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	1.45	117.9	Pn	06:56:58.098	-0.7	T__			15325564	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	1.45	117.9	Pn	06:56:58.098	-0.7	T__			15325565	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	1.45	117.9	Sn	06:57:17.822	-1.8	T__			15325566	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	1.47	45.5	Lg	06:57:21.505	1.1	T__			15325567	FDSN	RO	--	BUD	iLoc	BHN	???	_
MDVR	1.50	211.6	Pn	06:56:57.700	-1.3	T__			15325568	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.50	211.6	Sn	06:57:19.340	-0.4	T__			15325569	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.50	211.6	Sn	06:57:19.340	-0.4	T__	0.1		15325570	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.50	211.6	Lg	06:57:21.400	1.2	T__			15325571	FDSN	IR	--	ISC	iLoc	???	???	_
DOPR	1.80	92.1	Sn	06:57:27.578	-0.3	T__			15325572	FDSN	IR	--	ISC	iLoc	???	???	_
DOPR	1.80	92.1	Sn	06:57:27.578	-0.3	T__			15325573	FDSN	IR	--	ISC	iLoc	???	???	_
MLR	2.26	103.5	Sn	06:57:38.245	-2.6	T__			15325574	FDSN	IR	--	ISC	iLoc	???	???	_
MLR	2.26	103.5	Sn	06:57:38.245	-2.6	T__			15325575	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.28	45.1	Pg	06:57:12.645	-2.9	T__			15325576	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BURAR	2.28	45.1	Sn	06:57:42.263	2.1	T__			15325577	FDSN	RO	--	BUD	iLoc	BHN	???	_
BOVS	2.55	198.4	Pg	06:57:19.200	0.5	T__			15325578	FDSN	IR	--	ISC	iLoc	???	???	_
BOVS	2.55	198.4	Lg	06:57:51.400	-0.6	T__			15325579	FDSN	IR	--	ISC	iLoc	???	???	_
ZAPS	2.79	182.7	Pg	06:57:22.000	-0.7	T__			15325580	FDSN	IR	--	ISC	iLoc	???	???	_
ZAPS	2.79	182.7	Lg	06:57:59.800	1.4	T__			15325581	FDSN	IR	--	ISC	iLoc	???	???	_
BARS	3.32	192.8	Pg	06:57:32.000	0.4	T__			15325582	FDSN	IR	--	ISC	iLoc	???	???	_
BARS	3.32	192.8	Lg	06:58:16.400	0.6	T__			15325583	FDSN	IR	--	ISC	iLoc	???	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2019/12/27	00:03:00.56	0.74	0.79	45.8954	16.0837	4.5	2.2	114	12.0F	0.0	14	2	1.07	1.23	a	ke VIE	15282499	ISC				360
2019/12/27	00:02:59.90	0.87	1.09	45.8430	16.1289	4.0	2.8	170	5.0A		38	18	124	0.13	1.40	m	ke BUD	15325740	iLoc			162

Magnitude	Err	Nsta	Author	OrigID
mb	1.5		VIE	15282499
ml	1.2		VIE	15282499
ML	1.8	0.2	6 ILOC	15325740

Sta	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	0.13	299.7	Pg	00:03:02.410	-0.6					T__						15325742	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.13	299.7	Lg	00:03:03.720	-1.8					T__						15325743	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.13	299.9	Pg	00:03:02.526	-0.2					T__		367.1			MLv	15325744	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	_
PTJ	0.13	299.9	Lg	00:03:04.282	-0.5					T__						15325745	FDSN	CR	--	BUD	iLoc	BHE	???	_
(Station ML : 1.2 0																								
LOBO	0.31	352.3	Pg	00:03:05.850	-0.5					T__						15325746	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.31	352.3	Lg	00:03:09.780	-1.0					T__						15325747	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.35	274.1	Pg	00:03:07.000	0.2					T__						15325748	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.35	274.1	Lg	00:03:11.910	-0.0					T__						15325749	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.35	274.1	AMB	00:03:12.370	-99.0					---		7.0	0.16			15325750	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.37	38.2	Pg	00:03:06.580	-1.0					T__						15325751	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.37	38.2	Lg	00:03:10.770	-2.1					T__						15325752	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.39	295.7	Lg	00:03:13.540	0.2					T__						15325753	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.39	295.7	AMB	00:03:14.880	-99.0					---		4.0	0.13			15325754	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.47	268.2	Pg	00:03:09.612	0.5					T__		172.9			MLv	15325755	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	0.47	268.2	Lg	00:03:15.427	-0.6					T__						15325756	FDSN	SL	--	BUD	iLoc	BHN	???	_
(Station ML : 1.8 1																								
CESS	0.48	285.9	Pg	00:03:10.190	0.9					T__						15325757	FDSN	IR	--	ISC	iLoc	???	???	_
CESS	0.48	285.9	Lg	00:03:16.480	0.2					T__						15325758	FDSN	IR	--	ISC	iLoc	???	???	_
CESS	0.48	285.9	AMB	00:03:18.710	-99.0					---		3.0	0.08			15325759	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.49	117.4	Pg	00:03:09.620	-0.3					T__						15325760	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.49	117.4	Lg	00:03:15.310	-1.3					T__						15325761	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	0.52	244.1	Pg	00:03:09.990	0.2					T__						15325762	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	0.52	244.1	Lg	00:03:16.400	-0.9					T__						15325763	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.55	303.9	Pg	00:03:10.910	0.3					T__						15325764	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.55	303.9	Lg	00:03:18.380	-0.0					T__						15325765	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.55	303.9	AMB	00:03:18.800	-99.0					---		6.0	0.20			15325766	FDSN	IR	--	ISC	iLoc	???	???	_
LEGS	0.58	280.9	Pg	00:03:11.560	0.5					T__						15325767	FDSN	IR	--	ISC	iLoc	???	???	_
LEGS	0.58	280.9	Lg	00:03:19.270	-0.2					T__						15325768	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.61	7.9	Pg	00:03:13.730	1.8					T__						15325769	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.61	7.9	Pg	00:03:13.595	1.6					T__		230.5			MLv	15325770	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.61	7.9	Lg	00:03:20.287	0.4					T__						15325771	FDSN	SL	--	BUD	iLoc	BHE	???	_
(Station ML : 2.2 0																								
BOJS	0.70	241.4	Pg	00:03:13.620	0.2					T__						15325772	FDSN	IR	--	ISC	iLoc	???	???	_
BOJS	0.70	241.4	Lg	00:03:24.810	1.1					T__						15325773	FDSN	IR	--	ISC	iLoc	???	???	_
BOJS	0.70	241.4	AMB	00:03:25.560	-99.0					---		1.0	0.14			15325774	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.77	35.4	Pg	00:03:16.572	1.3					T__		32.6			MLv	15325775	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BEHE	0.77	35.4	Sn	00:03:28.404	-0.5					T__						15325776	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.4 1																								
A264A	0.87	68.2	Pg	00:03:18.100	1.0					T__		108.1			MLv	15325777	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A264A	0.87	68.2	Lg	00:03:31.251	2.7					T__						15325778	FDSN	Z3	00	BUD	iLoc	HHE	???	_

(Station ML : 2.0 1

SOKA	1.13	318.1	Pg	00:03:20.788	-0.4	T__	0.3	0.26	---	15325779	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	1.13	318.1	Lg	00:03:35.322	-1.1	T__	0.4	0.24	---	15325780	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.28	301.8	Lg	00:03:40.607	-0.8	T__	0.7	0.32	---	15325781	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.28	301.8	Lg	00:03:41.305	-0.1	T__			---	15325782	FDSN	OE	--	BUD	iLoc	BHN	???	_
KOVH	1.40	79.2	Pg	00:03:27.412	0.9	T__	30.9		---	15325783	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	1.40	79.2	Sn	00:03:46.139	2.4	T__			---	15325784	FDSN	HU	--	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
2019/12/29	04:33:55.61	0.98	0.61	48.0199	20.6522	6.1	3.5	127	6.4F	15.0	13	7	145	0.13	0.77	m	ke BUD	15325652	iLoc			209

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.0	6 ILOC	15325652

Sta	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	320.3	Pg	04:33:59.026	0.1					T__		136.7		---	MLv	15325654	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU02A	0.13	320.3	Lg	04:34:01.679	0.0					T__				---		15325655	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 0.8 0																								
HU23A	0.47	215.6	Pg	04:34:05.569	-0.0					T__		188.4		---	MLv	15325656	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU23A	0.47	215.6	Lg	04:34:13.790	1.1					T__				---		15325657	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 1.9 0																								
KECS	0.48	346.6	Pg	04:34:05.591	0.4					T__		90.7		---	MLv	15325658	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.48	346.6	Lg	04:34:12.653	0.2					T__				---		15325659	FDSN	SK	--	BUD	iLoc	EHE	???	_
(Station ML : 1.6 1																								
ABAH	0.48	54.7	Pg	04:34:05.112	-0.1					T__		78.1		---	MLv	15325660	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.48	54.7	Lg	04:34:12.441	-0.7					T__				---		15325661	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.5 1																								
JOS	0.48	350.9	Pg	04:34:05.445	0.2					T__		83.8		---	MLv	15325662	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_
JOS	0.48	350.9	Lg	04:34:12.407	-0.2					T__				---		15325663	FDSN	ZJ	--	BUD	iLoc	HHE	???	_
(Station ML : 1.6 1																								
PSZ	0.52	259.0	Pg	04:34:06.096	-0.7					T__		54.6		---	MLv	15325664	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.52	259.0	Lg	04:34:14.112	-0.7					T__				---		15325665	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.5 1																								
BSZH	0.77	200.0	Lg	04:34:23.351	0.6					T__				---		15325666	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	
2019/12/29	21:02:47.08	0.27	0.87	47.3000	18.3546	3.7	2.8	76	0.0A	0.0	17	11	107	0.09	1.22	m	ke BUD	15266389	scolv@krszo				360
2019/12/29	21:02:46.11	0.90	0.82	47.3104	18.3361	4.8	3.8	76	5.9F	8.2	17	11	105	0.07	1.23	m	ke BUD_GT	15325692	iLoc				139

(GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)

Magnitude	Err	Nsta	Author	OrigID
M	1.4		7 BUD	15266389
MLv	1.4	0.2	7 BUD	15266389
ML	1.4	0.2	7 ILOC	15325692

Sta	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	315.9	Pg	21:02:48.195	-0.0					T__		791.3		---	MLv	15325694	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.07	315.9	Lg	21:02:49.806	-0.3					T__				---		15325695	FDSN	HU	--	BUD	iLoc	HHE	???	_

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(Station ML : 1.4 1
HU08A 0.31 293.5 Pg 21:02:52.304 -0.1 T__ 72.5 ___ MLv 15325696 FDSN ZJ 00 BUD iLoc HHZ HHZ _
HU08A 0.31 293.5 Lg 21:02:56.789 -0.7 T__ ___ 15325697 FDSN ZJ 00 BUD iLoc HHN ??? _
(Station ML : 1.0 0
HU09A 0.33 5.4 Pg 21:02:53.201 0.3 T__ 158.4 ___ MLv 15325698 FDSN ZJ 00 BUD iLoc HHZ HHZ _
HU09A 0.33 5.4 Lg 21:02:58.205 -0.3 T__ ___ 15325699 FDSN ZJ 00 BUD iLoc HHE ??? _
(Station ML : 1.4 1
A267A 0.38 164.7 Pg 21:02:54.083 0.3 T__ 87.6 ___ MLv 15325700 FDSN Z3 00 BUD iLoc HHZ HHZ _
A267A 0.38 164.7 Lg 21:02:59.886 -0.1 T__ ___ 15325701 FDSN Z3 00 BUD iLoc HHE ??? _
(Station ML : 1.3 1
MPLH 0.56 255.8 Pg 21:02:57.243 -0.1 T__ 61.1 ___ MLv 15325702 FDSN HU -- BUD iLoc BHZ BHZ _
MPLH 0.56 255.8 Lg 21:03:06.693 1.2 T__ ___ 15325703 FDSN HU -- BUD iLoc BHE ??? _
(Station ML : 1.6 1
EGYH 0.69 279.2 Lg 21:03:10.140 0.3 T__ ___ 15325704 FDSN HU -- BUD iLoc HHE ??? _
A265A 0.96 202.9 Lg 21:03:18.952 0.3 T__ ___ 15325705 FDSN Z3 00 BUD iLoc HHN ??? _
A336A 1.03 25.6 Pn 21:03:06.329 0.6 T__ 61.8 ___ MLv 15325706 FDSN Z3 00 BUD iLoc HHZ HHZ _
(Station ML : 1.9 0
MORH 1.12 168.9 Pn 21:03:06.867 0.2 T__ 14.4 ___ MLv 15325707 FDSN HU -- BUD iLoc BHZ BHZ _
MORH 1.12 168.9 Lg 21:03:22.167 -2.2 T__ ___ 15325708 FDSN HU -- BUD iLoc BHE ??? _
(Station ML : 1.3 1
PSZ 1.22 59.4 Sn 21:03:26.967 0.7 T__ ___ 15325709 FDSN GE -- BUD iLoc BHN ??? _
KOVH 1.23 187.7 Sn 21:03:25.051 -0.8 T__ ___ 15325710 FDSN HU -- BUD iLoc BHE ??? _

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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
2019/12/31	03:13:25.40	0.30		45.9280	18.8270	0.0	0.0		16.0F	2.3	43			0.31	3.77	a	ke BEO	15282574	ISC			360
2019/12/31	03:13:25.40		1.14	45.9300	18.8300				16.0A			2	2.48	4.48	a	ke CSEM	15282571	ISC				360
2019/12/31	03:13:25.03	0.59	1.39	45.8949	18.8637	3.6	2.9	38	5.0A		139	73	56	0.35	4.53	m	ke BUD	15325818	iLoc			91

Magnitude	Err	Nsta	Author	OrigID
ML	2.3		BEO	15282574
m1	2.3		CSEM	15282571
ML	2.7	0.2	34 ILOC	15325818

Sta	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	334.5	Pg	03:13:32.100	-0.2					T__						15325820	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	0.35	334.5	Pb	03:13:32.311	0.0					T__						15325821	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	0.35	334.5	Lg	03:13:36.700	-1.0					T__						15325822	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	0.35	334.5	Lg	03:13:36.767	-1.0					T__						15325823	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	0.36	334.6	Pg	03:13:31.851	-0.5					T__	449.0					15325824	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	0.36	334.6	Lg	03:13:36.113	-1.7					T__						15325825	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.9 0																								
HU22A	0.47	23.1	Pg	03:13:35.471	0.9					T__	1497.9					15325826	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.8 1																								
KOVH	0.57	290.2	Pg	03:13:35.348	-1.2					T__	307.1					15325827	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.57	290.2	Lg	03:13:42.317	-2.1					T__						15325828	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 2.3 0																								
SUBS	0.59	68.1	Pg	03:13:37.300	0.6					T__						15325829	FDSN	IR	--	ISC	iLoc	???	???	_
SUBS	0.59	68.1	Lg	03:13:48.000	1.6					T__						15325830	FDSN	IR	--	ISC	iLoc	???	???	_
HU21A	0.74	53.6	Pn	03:13:40.934	0.5					T__	813.7					15325831	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU21A	0.74	53.6	Sn	03:13:53.873	1.2					T__						15325832	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
(Station ML : 2.8 1																								

A266A	0.76	326.8	Pg	03:13:40.028	-0.1	T__	1038.2	___	MLv	15325833	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A266A	0.76	326.8	Lg	03:13:50.504	-0.4	T__		___		15325834	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 2.9 1																		
A265A	0.91	305.9	Pg	03:13:42.898	-0.0	T__	388.6	___	MLv	15325835	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A265A	0.91	305.9	Sn	03:13:56.030	-0.6	T__		___		15325836	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 2.6 1																		
FRGS	0.99	137.6	Sn	03:13:59.600	0.5	T__		___		15325837	FDSN	IR	--	ISC	iLoc	???	???	_
HU04A	1.01	24.7	Pg	03:13:45.730	0.2	T__	465.2	___	MLv	15325838	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU04A	1.01	24.7	Lg	03:14:00.808	0.3	T__		___		15325839	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 2.7 1																		
FRGS	1.02	137.7	Pg	03:13:45.274	0.9	T__	278.5	___	MLv	15325840	FDSN	SJ	--	BUD	iLoc	HHZ	HHZ	_
FRGS	1.02	137.7	Sn	03:14:00.702	0.6	T__		___		15325841	FDSN	SJ	--	BUD	iLoc	HHE	???	_
(Station ML : 2.5 1																		
A267A	1.08	346.0	Pg	03:13:47.061	1.0	T__	433.3	___	MLv	15325842	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A267A	1.08	346.0	Lg	03:14:01.885	-0.5	T__		___		15325843	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 2.7 1																		
A264A	1.13	284.1	Pn	03:13:45.457	-0.6	T__	302.8	___	MLv	15325844	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.6 1																		
A263A	1.31	305.3	Pn	03:13:48.202	-0.2	T__	183.8	___	MLv	15325845	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A263A	1.31	305.3	Lg	03:14:07.924	-0.0	T__		___		15325846	FDSN	Z3	00	BUD	iLoc	HHE	???	_
(Station ML : 2.5 1																		
TEKS	1.43	160.5	Pn	03:13:50.700	0.6	T__		___		15325847	FDSN	IR	--	ISC	iLoc	???	???	_
TEKS	1.43	160.5	Sn	03:14:11.200	1.7	T__		___		15325848	FDSN	IR	--	ISC	iLoc	???	???	_
CSKK	1.53	344.4	Sn	03:14:13.186	0.9	T__		___		15325849	FDSN	HU	--	BUD	iLoc	HHZ	???	_
BEHE	1.56	292.4	Pg	03:13:55.421	0.5	T__	87.6	___	MLv	15325850	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
BEHE	1.56	292.4	Lg	03:14:17.227	1.8	T__		___		15325851	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 2.3 0																		
MPLH	1.57	324.9	Pn	03:13:52.821	0.8	T__	88.3	___	MLv	15325852	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 2.3 0																		
A261A	1.59	312.3	Pg	03:13:56.402	0.9	T__	187.1	___	MLv	15325853	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.7 1																		
BUD	1.59	3.9	Sn	03:14:16.235	2.5	T__		___		15325854	FDSN	HU	--	BUD	iLoc	BHN	???	_
BLY	1.62	227.6	Pg	03:13:55.746	0.3	T__	112.6	___	MLv	15325855	FDSN	MN	--	BUD	iLoc	BHZ	BHZ	_
BLY	1.62	227.6	Lg	03:14:17.320	0.6	T__		___		15325856	FDSN	MN	--	BUD	iLoc	BHN	???	_
BLY	1.65	226.6	Pn	03:13:54.600	1.0	T__		___		15325857	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	1.65	226.6	Sn	03:14:15.100	0.2	T__		___		15325858	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	1.65	226.6	Lg	03:14:18.155	0.6	T__		___		15325859	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.5 0																		
HU08A	1.67	337.5	Pg	03:13:55.702	-1.3	T__	140.9	___	MLv	15325860	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU08A	1.67	337.5	Lg	03:14:20.052	-1.3	T__		___		15325861	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 2.6 1																		
AVAS	1.67	135.3	Pn	03:13:53.600	0.0	T__		___		15325862	FDSN	IR	--	ISC	iLoc	???	???	_
AVAS	1.67	135.3	Sn	03:14:17.600	1.9	T__		___		15325863	FDSN	IR	--	ISC	iLoc	???	???	_
BSZH	1.71	34.0	Pn	03:13:55.445	1.6	T__		___		15325864	FDSN	IR	--	ISC	iLoc	???	???	_
BSZH	1.71	34.0	Sn	03:14:19.047	3.0	T__		___		15325865	FDSN	IR	--	ISC	iLoc	???	???	_
HU09A	1.78	349.4	Pn	03:13:55.991	1.1	T__	177.6	___	MLv	15325866	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.7 1																		
EGYH	1.85	325.8	Pn	03:13:57.506	1.5	T__	192.6	___	MLv	15325867	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.8 1																		
HU24A	1.88	56.6	Sn	03:14:22.613	2.2	T__		___		15325868	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
A262A	1.89	301.8	Pn	03:13:57.343	0.8	T__	207.6	___	MLv	15325869	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.9 1																		
VRSS	1.89	113.2	Pn	03:13:57.800	1.0	T__		___		15325870	FDSN	IR	--	ISC	iLoc	???	???	_

VRSS	1.89	113.2	Sn	03:14:21.900	0.7	T__			15325871	FDSN	IR	--	ISC	iLoc	???	???	_	
KOGS	1.90	287.9	Pn	03:13:56.221	-0.6	T__	514.2	---	MLv	15325872	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	1.90	287.9	Lg	03:14:26.021	0.6	T__		---		15325873	FDSN	SL	--	BUD	iLoc	BHN	???	_
(Station ML : 3.3 0)																		
BZS	1.95	97.2	Pn	03:13:58.789	1.3	T__		---		15325874	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.95	97.2	Pn	03:13:58.800	1.3	T__		---		15325875	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.95	97.2	Sn	03:14:25.690	3.3	T__		---		15325876	FDSN	IR	--	ISC	iLoc	???	???	_
HU10A	1.95	3.1	Pn	03:13:58.386	1.0	T__	139.1	---	MLv	15325877	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.7 1)																		
BZS	1.96	97.1	Pn	03:13:59.215	1.5	T__	93.7	---	MLv	15325878	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	1.96	97.1	Sn	03:14:23.464	0.7	T__		---		15325879	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	1.96	97.1	Lg	03:14:29.865	-0.0	T__		---		15325880	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 2.6 1)																		
DIVS	1.97	155.6	Pn	03:13:58.600	0.7	T__		---		15325881	FDSN	IR	--	ISC	iLoc	???	???	_
DIVS	1.97	155.6	Sn	03:14:23.500	0.3	T__		---		15325882	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.98	78.2	Pn	03:13:58.200	0.3	T__		---		15325883	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.98	78.2	Pg	03:13:58.996	-4.1	T__		---		15325884	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.98	78.2	Sn	03:14:21.800	-1.4	T__		---		15325885	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.98	78.2	Lg	03:14:25.596	-5.4	T__		---		15325886	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.98	78.2	Pn	03:13:58.541	0.6	T__	53.1	---	MLv	15325887	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	1.98	78.2	Sn	03:14:22.074	-1.2	T__		---		15325888	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 2.3 0)																		
HU23A	1.99	28.1	Lg	03:14:33.756	1.1	T__		---		15325889	FDSN	ZJ	00	BUD	iLoc	HHE	???	_
TRUS	2.00	146.3	Pn	03:13:59.300	1.2	T__		---		15325890	FDSN	IR	--	ISC	iLoc	???	???	_
TRUS	2.00	146.3	Sn	03:14:23.900	0.4	T__		---		15325891	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	2.02	271.4	Lg	03:14:29.261	-0.2	T__		---		15325892	FDSN	CR	--	BUD	iLoc	BHE	???	_
BBLs	2.06	169.0	Pn	03:14:00.419	1.3	T__	634.8	---	MLv	15325893	FDSN	SJ	--	BUD	iLoc	BHZ	BHZ	_
BBLs	2.06	169.0	Lg	03:14:31.485	-3.1	T__		---		15325894	FDSN	SJ	--	BUD	iLoc	BHE	???	_
BBLs	2.06	169.1	Pn	03:14:00.000	0.6	T__		---		15325895	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 3.4 0)																		
HU03A	2.07	13.8	Pg	03:14:04.473	-1.2	T__	137.0	---	MLv	15325896	FDSN	ZJ	00	BUD	iLoc	HHZ	HHZ	_
HU03A	2.07	13.8	Lg	03:14:35.787	0.4	T__		---		15325897	FDSN	ZJ	00	BUD	iLoc	HHN	???	_
(Station ML : 2.8 1)																		
PSZ	2.14	18.9	Pn	03:14:00.350	0.1	T__	159.9	---	MLv	15325900	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	2.14	18.9	Pn	03:14:00.756	0.5	T__		---		15325898	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	2.14	18.9	Pg	03:14:06.817	-0.8	T__		---		15325901	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	2.14	18.9	Sn	03:14:29.206	1.8	T__		---		15325899	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 2.9 1)																		
MDVR	2.30	118.0	Pn	03:14:03.200	0.7	T__		---		15325902	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	2.30	118.0	Pg	03:14:04.149	-3.3	T__		---		15325903	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	2.30	118.0	Sn	03:14:30.900	-0.4	T__		---		15325904	FDSN	IR	--	ISC	iLoc	???	???	_
RUDD	2.31	170.8	Sn	03:14:31.200	0.3	T__		---		15325905	FDSN	IR	--	ISC	iLoc	???	???	_
A336A	2.34	2.2	Pn	03:14:03.790	1.0	T__	163.0	---	MLv	15325906	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 3.0 1)																		
CRES	2.38	269.6	Pn	03:14:04.517	0.7	T__	409.3	---	MLv	15325907	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
CRES	2.38	269.6	Sn	03:14:35.034	2.4	T__		---		15325908	FDSN	SL	--	BUD	iLoc	BHE	???	_
(Station ML : 3.4 0)																		
SOP	2.39	319.3	Pn	03:14:03.848	0.3	T__	83.2	---	MLv	15325909	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 2.7 1)																		
GRUS	2.40	146.1	Pn	03:14:04.700	1.0	T__		---		15325910	FDSN	IR	--	ISC	iLoc	???	???	_
GRUS	2.40	146.1	Sn	03:14:34.200	1.2	T__		---		15325911	FDSN	IR	--	ISC	iLoc	???	???	_
KUBS	2.48	125.7	Pn	03:14:05.900	0.9	T__		---		15325912	FDSN	IR	--	ISC	iLoc	???	???	_
IVAS	2.49	157.9	Pn	03:14:05.800	0.5	T__		---		15325913	FDSN	IR	--	ISC	iLoc	???	???	_

IVAS	2.49	157.9	Sn	03:14:37.600	1.9	T__				15325914	FDSN	IR	--	ISC	iLoc	???	???	_	
HU02A	2.50	26.4	Lg	03:14:49.515	-0.1	T__				15325915	FDSN	ZJ	00	BUD	iLoc	HHN	???	_	
RONA	2.52	316.6	Pn	03:14:05.782	0.2	T__	1.4	0.16		15325916	FDSN	IR	--	ISC	iLoc	???	???	_	
RONA	2.52	316.6	Sn	03:14:35.442	-0.6	T__	1.7	0.46		15325917	FDSN	IR	--	ISC	iLoc	???	???	_	
BOJS	2.56	262.5	Sn	03:14:37.700	0.6	T__				15325918	FDSN	IR	--	ISC	iLoc	???	???	_	
ARSA	2.67	301.7	Pn	03:14:07.700	0.1	T__				15325919	FDSN	IR	--	ISC	iLoc	???	???	_	
ARSA	2.67	301.7	Pn	03:14:07.715	0.1	T__	0.6	0.30		15325920	FDSN	IR	--	ISC	iLoc	???	???	_	
ARSA	2.67	301.7	Sn	03:14:37.562	-1.4	T__	1.1	0.34		15325921	FDSN	IR	--	ISC	iLoc	???	???	_	
HERR	2.70	110.8	Pn	03:14:09.819	1.8	T__				15325922	FDSN	IR	--	ISC	iLoc	???	???	_	
HERR	2.70	110.8	Sn	03:14:42.328	1.6	T__				15325923	FDSN	IR	--	ISC	iLoc	???	???	_	
MODS	2.71	337.0	Pn	03:14:08.866	0.8	T__				15325924	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	2.71	337.0	Sn	03:14:38.500	-3.1	T__				15325925	FDSN	IR	--	ISC	iLoc	???	???	_	
GOCS	2.74	147.7	Pn	03:14:09.500	0.7	T__				15325926	FDSN	IR	--	ISC	iLoc	???	???	_	
GOCS	2.74	147.7	Sn	03:14:42.400	0.6	T__				15325927	FDSN	IR	--	ISC	iLoc	???	???	_	
SJES	2.75	162.8	Pn	03:14:09.800	0.7	T__				15325928	FDSN	IR	--	ISC	iLoc	???	???	_	
SJES	2.75	162.8	Sn	03:14:41.400	-1.0	T__				15325929	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	2.79	99.0	Pn	03:14:10.400	0.8	T__				15325930	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	2.79	99.0	Pn	03:14:10.982	1.4	T__	83.8		MLv	15325931	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
GZR	2.79	99.0	Sn	03:14:43.905	0.7	T__				15325932	FDSN	RO	--	BUD	iLoc	BHN	???	_	
(Station ML : 3.0 1																			
DRGR	2.81	70.0	Pn	03:14:10.563	0.9	T__	102.6		MLv	15325933	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
DRGR	2.81	70.0	Sn	03:14:42.697	-0.9	T__				15325934	FDSN	RO	--	BUD	iLoc	BHN	???	_	
(Station ML : 3.1 1																			
JOS	2.84	23.1	Pn	03:14:11.497	1.9	T__	125.8		MLv	15325935	FDSN	ZJ	--	BUD	iLoc	HHZ	HHZ	_	
(Station ML : 3.2 0																			
CONA	2.89	315.8	Pn	03:14:10.768	-0.0	T__	114.9		MLv	15325936	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_	
CONA	2.89	315.8	Pn	03:14:10.606	-0.2	T__	1.4	0.22		15325937	FDSN	IR	--	ISC	iLoc	???	???	_	
CONA	2.89	315.8	Sn	03:14:42.816	-2.4	T__	0.8	0.32		15325938	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 3.2 0																			
ABAH	2.90	33.2	Lg	03:15:01.071	-0.8	T__				15325939	FDSN	HU	--	BUD	iLoc	HHE	???	_	
BOVS	3.03	137.1	Pn	03:14:13.300	0.8	T__				15325940	FDSN	IR	--	ISC	iLoc	???	???	_	
BOVS	3.03	137.1	Pg	03:14:14.026	-5.3	T__				15325941	FDSN	IR	--	ISC	iLoc	???	???	_	
BOVS	3.03	137.1	Sn	03:14:50.820	2.6	T__				15325942	FDSN	IR	--	ISC	iLoc	???	???	_	
MARR	3.05	73.6	Pn	03:14:14.364	1.2	T__				15325943	FDSN	IR	--	ISC	iLoc	???	???	_	
MARR	3.05	73.6	Sn	03:14:49.980	0.3	T__				15325944	FDSN	IR	--	ISC	iLoc	???	???	_	
OBKA	3.06	283.1	Sn	03:14:50.304	1.2	T__	3.5	0.60		15325945	FDSN	IR	--	ISC	iLoc	???	???	_	
SELS	3.12	148.1	Pn	03:14:14.600	0.6	T__				15325946	FDSN	IR	--	ISC	iLoc	???	???	_	
SELS	3.12	148.1	Sn	03:14:50.600	-0.3	T__				15325947	FDSN	IR	--	ISC	iLoc	???	???	_	
ZAGS	3.17	129.8	Pn	03:14:14.900	0.5	T__				15325948	FDSN	IR	--	ISC	iLoc	???	???	_	
CJR	3.38	74.3	Pn	03:14:18.574	0.8	T__	91.7		MLv	15325949	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_	
(Station ML : 3.3 0																			
KRUC	3.58	333.0	Pn	03:14:20.000	-0.2	T__				15325950	FDSN	IR	--	ISC	iLoc	???	???	_	
KRUC	3.58	333.0	Pn	03:14:20.442	0.3	T__				15325951	FDSN	CZ	--	BUD	iLoc	BHZ	???	_	
MOA	3.71	303.5	Pn	03:14:22.428	0.2	T__	0.2	0.12		15325952	FDSN	IR	--	ISC	iLoc	???	???	_	
MOA	3.71	303.5	Sn	03:15:06.053	1.1	T__	0.1	0.14		15325953	FDSN	IR	--	ISC	iLoc	???	???	_	
BARS	3.74	144.4	Pn	03:14:23.100	0.7	T__				15325954	FDSN	IR	--	ISC	iLoc	???	???	_	
VRAC	3.74	336.6	Pn	03:14:22.900	0.5	T__				15325955	FDSN	IR	--	ISC	iLoc	???	???	_	
BIOA	4.01	298.5	Pn	03:14:26.711	0.1	T__	1.2	0.24		15325956	FDSN	IR	--	ISC	iLoc	???	???	_	
BIOA	4.01	298.5	Sn	03:15:11.379	-0.9	T__	1.6	0.32		15325957	FDSN	IR	--	ISC	iLoc	???	???	_	
LESA	4.53	292.0	Pn	03:14:32.859	-1.2	T__	0.2	0.24		15325958	FDSN	IR	--	ISC	iLoc	???	???	_	

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